

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032219\
 Data File : VX008343.D
 Acq On : 22 Mar 2019 17:03
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 3/23/2019 9:33:23 AM

Quant Time: Mar 23 02:11:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 22 15:33:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	31934	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	166421	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	145216	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	65922	30.21	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.70%
60) 4-Bromofluorobenzene	11.13	95	73315	31.02	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.40%
63) Toluene-d8	8.71	98	201375	30.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	29450	17.188 ug/l	95
3) Chloromethane	1.33	50	31196	17.807 ug/l	96
4) Vinyl Chloride	1.41	62	35613	18.036 ug/l	100
5) Bromomethane	1.64	94	32588	9.104 ug/l	100
6) Chloroethane	1.73	64	23222	16.548 ug/l	93
7) Trichlorofluoromethane	1.93	101	54255	17.261 ug/l	99
8) Diethyl Ether	2.19	74	21602	17.720 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	28631	16.470 ug/l	97
10) 1,1-Dichloroethene	2.38	96	30875	17.994 ug/l	99
11) Methyl Iodide	2.51	142	38688	14.915 ug/l	99
12) Methyl Acetate	2.78	43	33928	18.120 ug/l	94
13) Acrolein	2.29	56	27786	94.730 ug/l	99
14) Acrylonitrile	3.14	53	86113	92.675 ug/l	98
15) Acetone	2.45	58	25636	70.357 ug/l	95
16) Carbon Disulfide	2.57	76	86338	18.147 ug/l	100
17) Allyl chloride	2.73	41	43649	17.239 ug/l	91
18) Methylene Chloride	2.86	84	33808	18.303 ug/l	94
19) trans-1,2-Dichloroethene	3.17	96	32424	17.801 ug/l	95
20) Diisopropyl ether	3.86	45	97940	18.499 ug/l	95
21) 1,1-Dichloroethane	3.70	63	59038	18.882 ug/l	97
22) cis-1,2-Dichloroethene	4.60	96	38566	18.358 ug/l	96
23) tert-Butyl Alcohol	3.04	59	35633	94.462 ug/l	# 100
24) Methyl tert-Butyl Ether	3.20	73	102588	18.610 ug/l	98
25) Chloroform	5.21	83	61254	18.468 ug/l	97
26) Cyclohexane	5.59	56	49418	17.871 ug/l	# 100
29) 1,1-Dichloropropene	5.81	75	43824	18.541 ug/l	98
30) 2-Butanone	4.68	43	119487	87.765 ug/l	97
31) 2,2-Dichloropropane	4.59	77	40249	18.086 ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	52625	18.922 ug/l	98
33) Carbon Tetrachloride	5.79	117	45988	18.005 ug/l	98
34) Benzene	6.15	78	136373	19.369 ug/l	98
35) Methacrylonitrile	5.05	41	22657	17.866 ug/l	95
36) 1,2-Dichloroethane	6.20	62	50750	19.556 ug/l	99
37) Trichloroethene	7.21	130	37624	18.175 ug/l	93
38) Methylcyclohexane	7.46	83	50598	17.080 ug/l	99
39) 1,2-Dichloropropane	7.51	63	34185	19.081 ug/l	99
40) Dibromomethane	7.66	93	25670	19.536 ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	47127	18.901	ug/l	97
42) Vinyl Acetate	3.82	43	434548	94.963	ug/l	99
43) Ethyl Acetate	4.84	43	47034	19.572	ug/l #	80
44) Isopropyl Acetate	6.45	43	71004	18.774	ug/l	97
45) 1,4-Dioxane	7.74	88	18446	387.777	ug/l	97
46) Methyl methacrylate	7.77	41	34928	18.822	ug/l	90
47) n-amyl Acetate	10.90	43	59593	18.379	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	43872	17.574	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	49915	17.919	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	36868	19.531	ug/l	96
51) Ethyl methacrylate	9.18	69	53734	19.498	ug/l	98
52) 1,3-Dichloropropane	9.37	76	58863	19.443	ug/l	99
53) Dibromochloromethane	9.58	129	38407	18.049	ug/l	100
54) 1,2-Dibromoethane	9.67	107	39889	19.260	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	140868	101.598	ug/l	99
56) Bromoform	10.85	173	27722	16.502	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	235736	96.415	ug/l	96
59) 2-Hexanone	9.49	43	178399	92.239	ug/l	97
61) Tetrachloroethene	9.34	164	33324	17.048	ug/l	95
62) Toluene	8.79	91	147256	19.104	ug/l	99
64) Chlorobenzene	10.14	112	93692	18.854	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	34605	18.233	ug/l	98
66) Ethyl Benzene	10.25	91	155787	18.688	ug/l	100
67) m/p-Xylenes	10.36	106	120556	36.387	ug/l	98
68) o-Xylene	10.69	106	58444	18.363	ug/l	99
69) Styrene	10.71	104	99029	18.430	ug/l	97
70) Isopropylbenzene	11.02	105	154124	18.405	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	55389	19.398	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	51826m	22.531	ug/l	
73) Bromobenzene	11.26	156	40615	17.530	ug/l	92
74) n-propylbenzene	11.36	91	166887	17.880	ug/l	99
75) 2-Chlorotoluene	11.42	91	104047	18.666	ug/l	96
76) 1,3,5-Trimethylbenzene	11.51	105	130439	18.234	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	13745	16.868	ug/l	94
78) 4-Chlorotoluene	11.51	91	118059	17.996	ug/l	95
79) tert-butylbenzene	12.06	119	131373	17.458	ug/l	97
80) 1,2,4-Trimethylbenzene	11.80	105	130652	18.380	ug/l	96
81) sec-Butylbenzene	11.94	105	143729	17.615	ug/l	99
82) p-Isopropyltoluene	12.06	119	131373	17.458	ug/l	97
83) 1,3-Dichlorobenzene	12.02	146	69141	17.194	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	68901	17.205	ug/l	97
85) n-Butylbenzene	12.39	91	107153	16.554	ug/l	98
86) Hexachloroethane	12.60	117	22714	17.514	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	69901	17.626	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	11891	18.191	ug/l	88
89) 1,2,4-Trichlorobenzene	13.65	180	44177	15.739	ug/l	99
90) Hexachlorobutadiene	13.78	225	21303	15.077	ug/l	99
91) Naphthalene	13.83	128	153889	18.255	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	46730	16.468	ug/l	97

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ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId :
VSTDCCC020EC

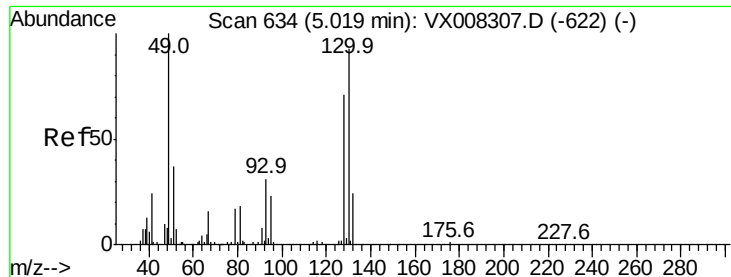
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

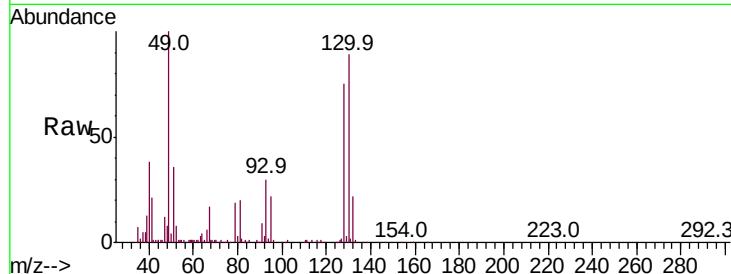
ClientSampleId :

VSTDCCC020EC

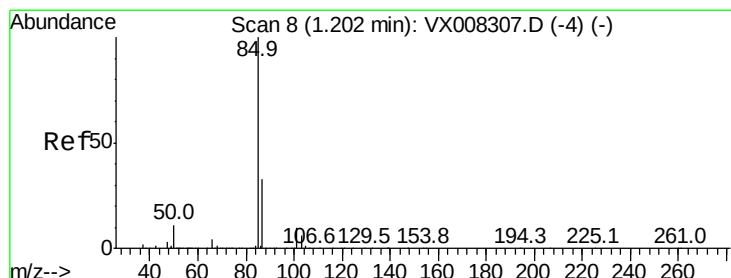
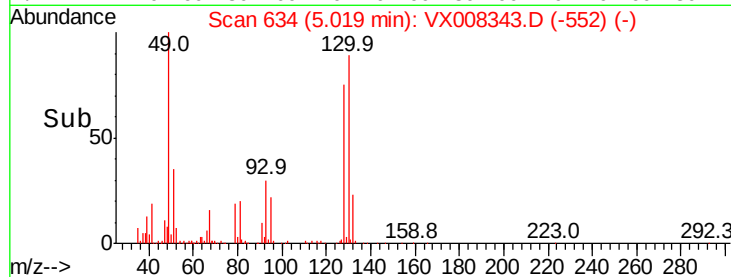
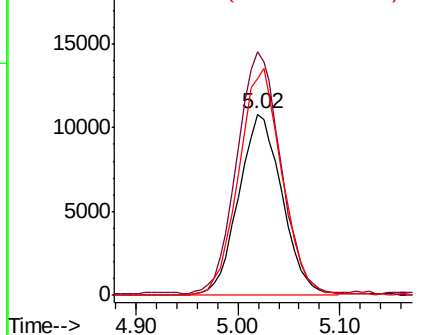
Tot Ion:	128	Resp:	31934
Ion	Ratio	Lower	Upper
128	100		
49	133.9	0.0	350.8
130	125.0	0.0	325.8

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VX0
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 17.188 ug/l

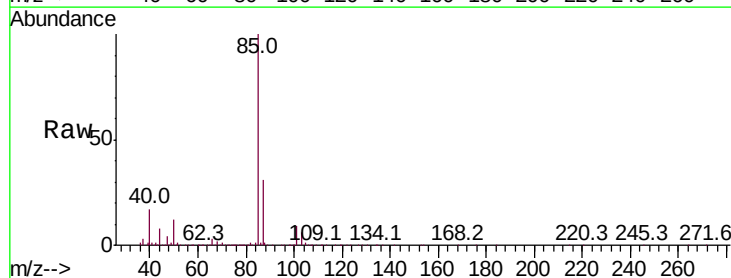
RT: 1.20 min Scan# 8

Delta R.T. -0.00 min

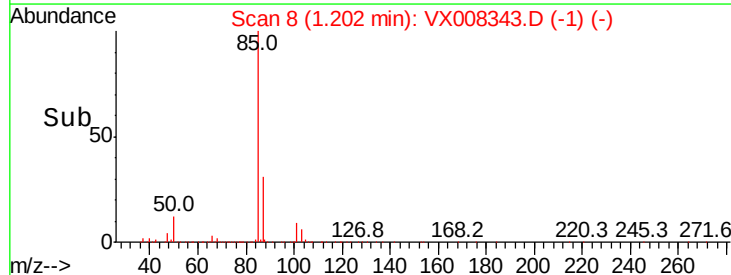
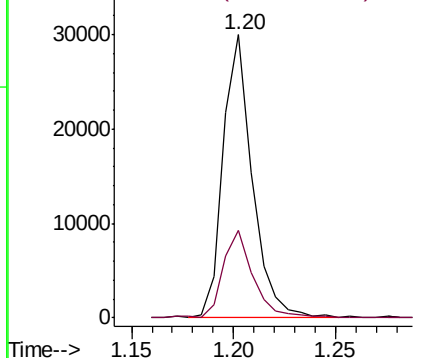
Lab File: VX008343.D

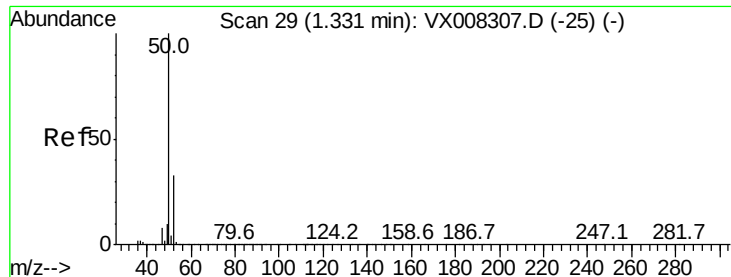
Acq: 22 Mar 2019 17:03

Tgt Ion:	85	Resp:	29450
Ion	Ratio	Lower	Upper
85	100		
87	30.6	16.6	49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0
Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 17.807 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 31196

Ion Ratio Lower Upper

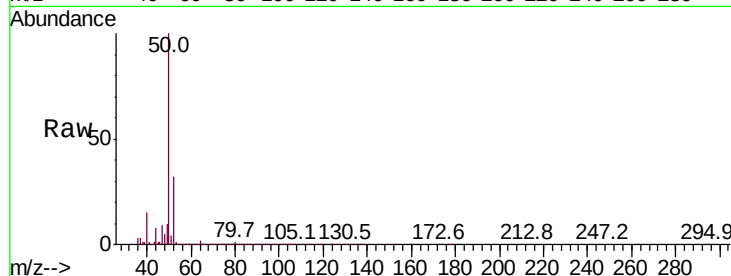
50 100

52 32.0 27.5 41.3

Manual Integrations
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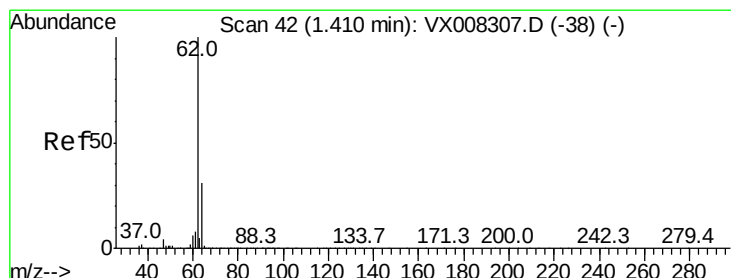
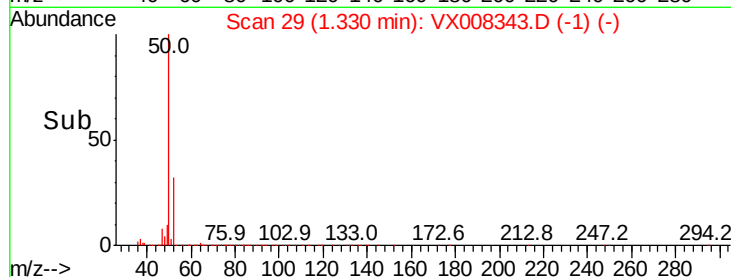
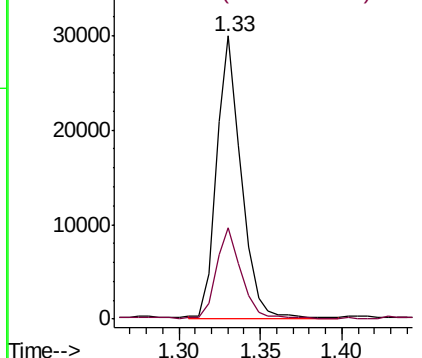
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 18.036 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008343.D

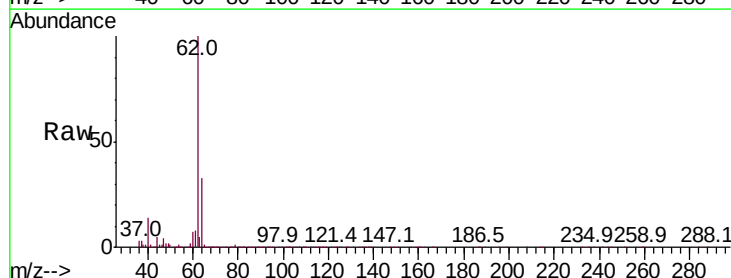
Acq: 22 Mar 2019 17:03

Tgt Ion: 62 Resp: 35613

Ion Ratio Lower Upper

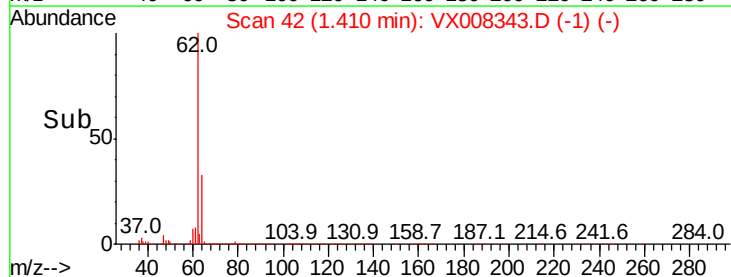
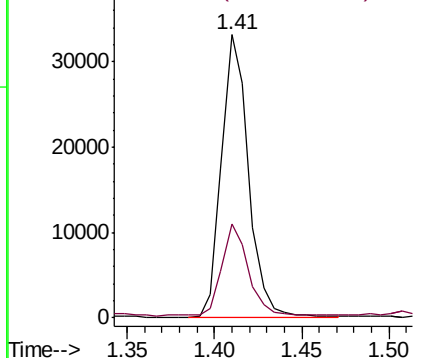
62 100

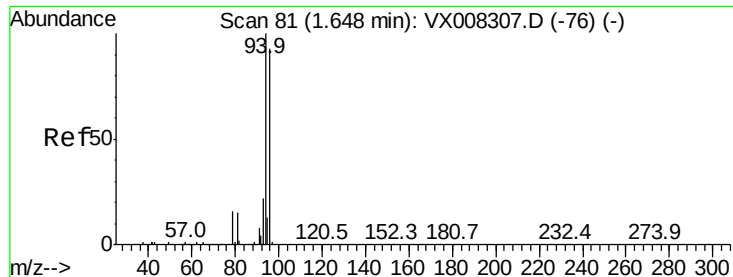
64 32.1 25.9 38.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 9.104 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 32588

Ion Ratio Lower Upper

94 100

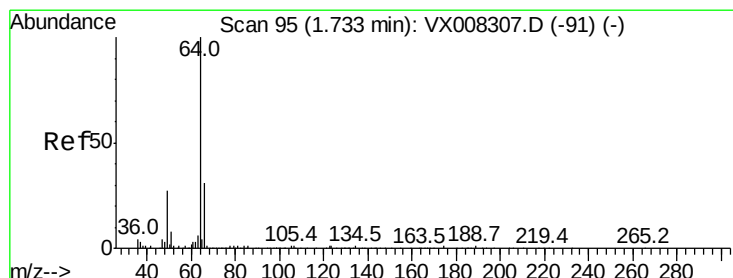
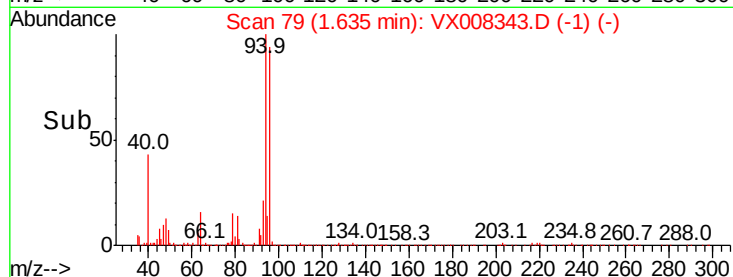
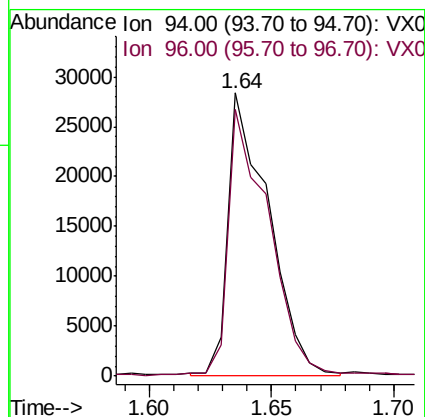
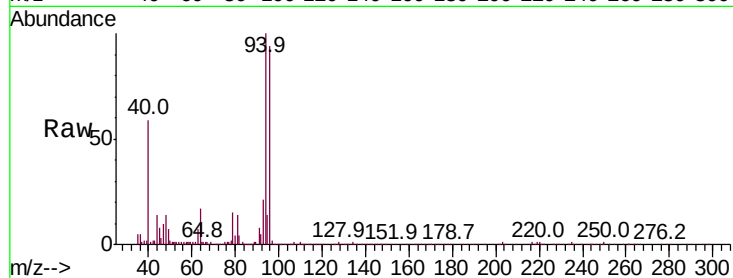
96 94.3 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 16.548 ug/l

RT: 1.73 min Scan# 94

Delta R.T. -0.01 min

Lab File: VX008343.D

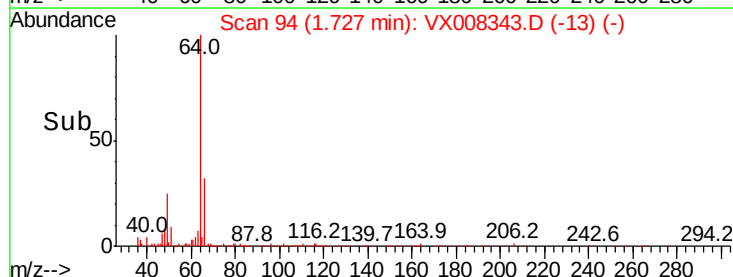
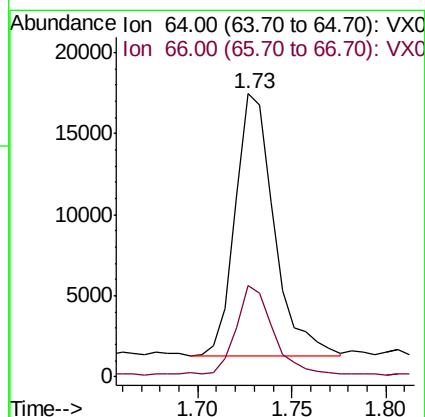
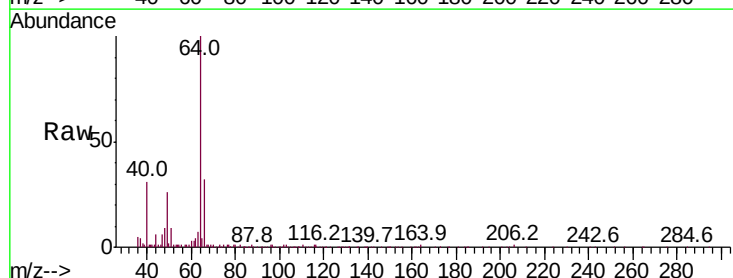
Acq: 22 Mar 2019 17:03

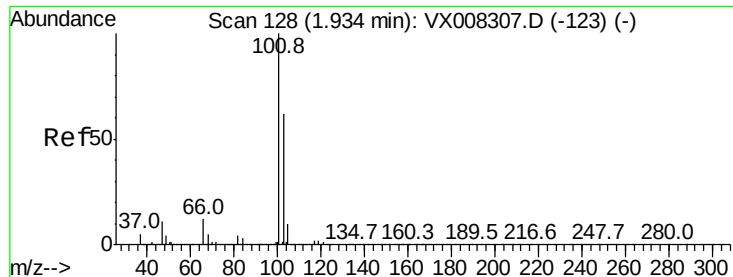
Tgt Ion: 64 Resp: 23222

Ion Ratio Lower Upper

64 100

66 33.8 23.9 35.9





#7

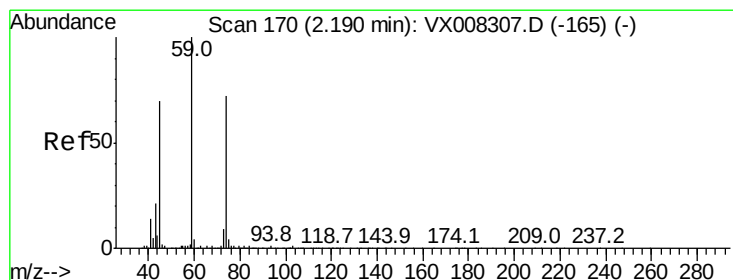
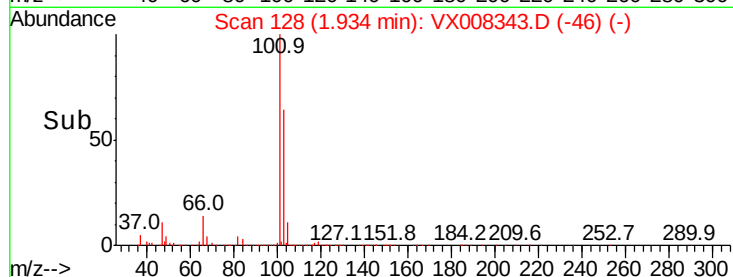
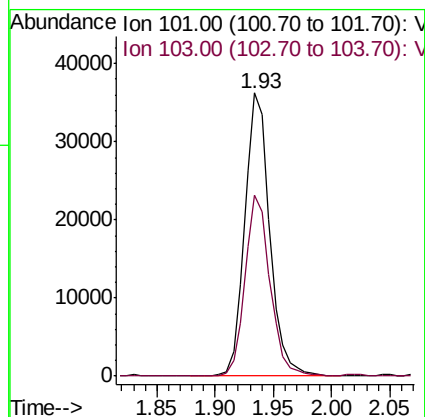
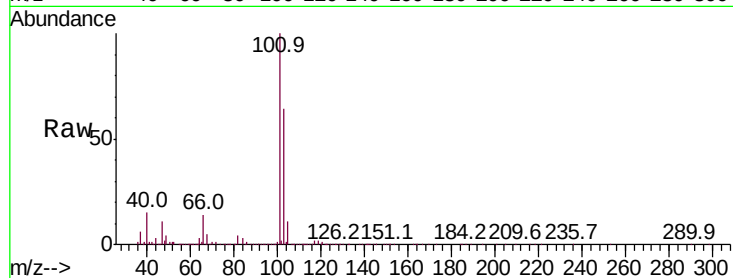
Trichlorofluoromethane
Concen: 17.261 ug/l
RT: 1.93 min Scan# 128
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	50.4	75.6

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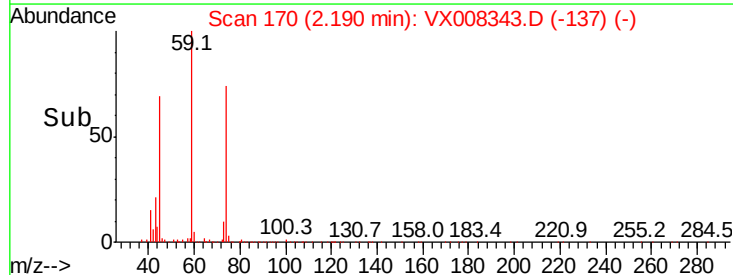
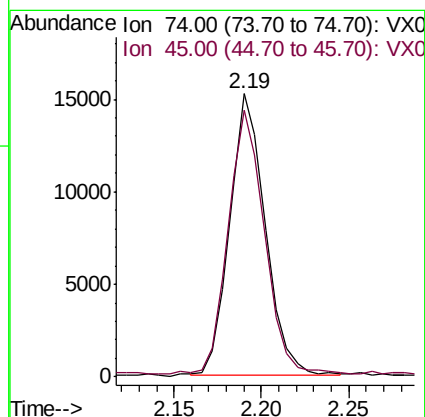
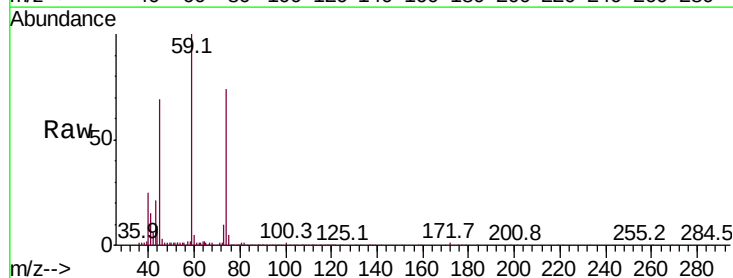
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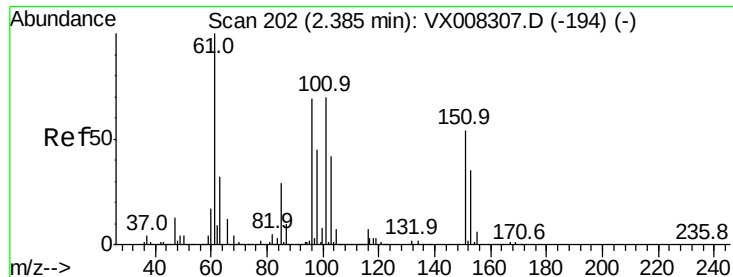


#8

Diethyl Ether
Concen: 17.720 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.0	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.470 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

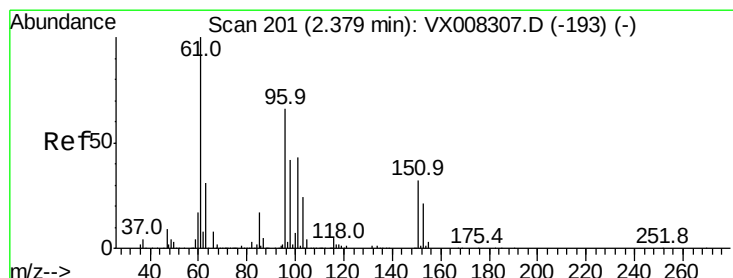
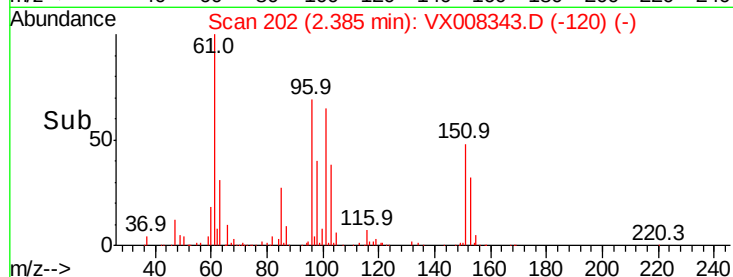
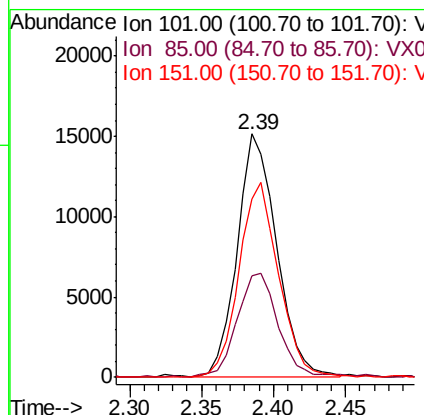
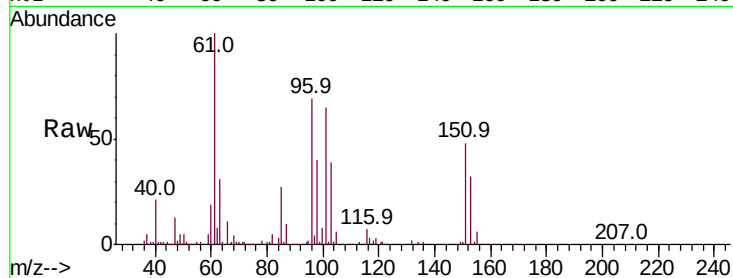
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	28631
Ion Ratio	Lower	Upper	
101	100		
85	44.7	0.0	86.8
151	81.3	0.0	169.2

Manual Integrations
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3/23/2019 9:33:23 AM



#10

1,1-Dichloroethene

Concen: 17.994 ug/l

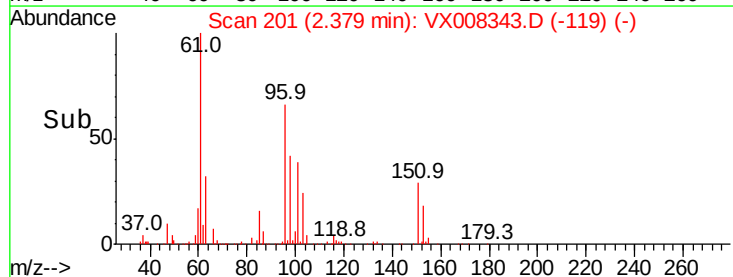
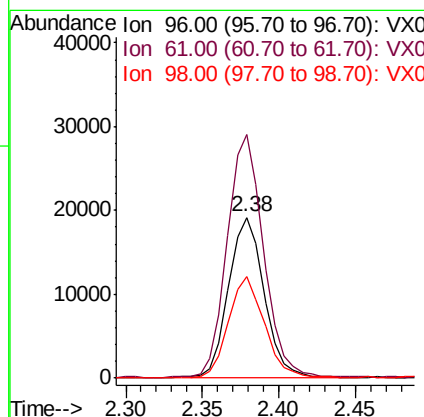
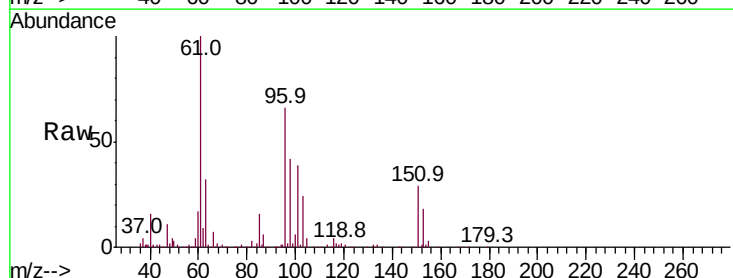
RT: 2.38 min Scan# 201

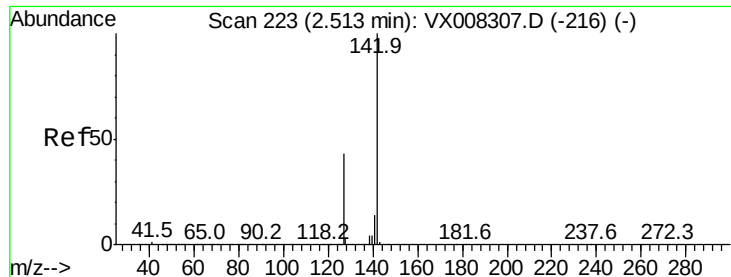
Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Tgt Ion:	96	Resp:	30875
Ion Ratio	Lower	Upper	
96	100		
61	151.2	120.2	180.2
98	63.1	49.0	73.4





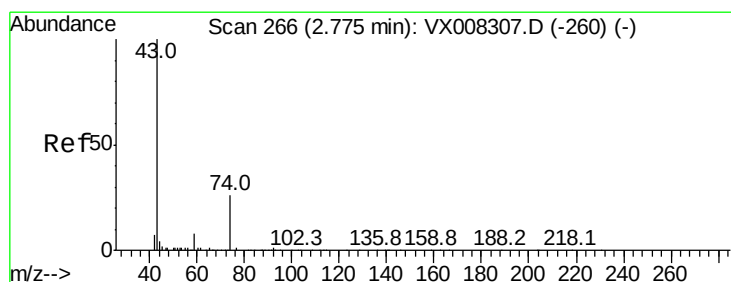
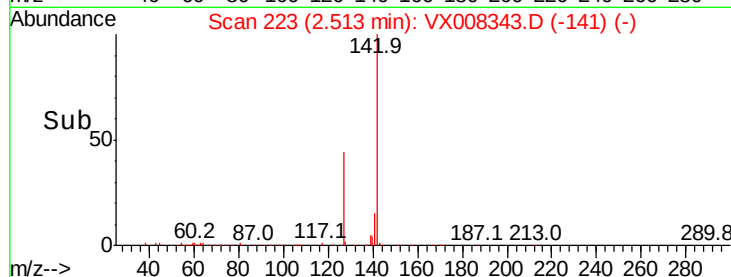
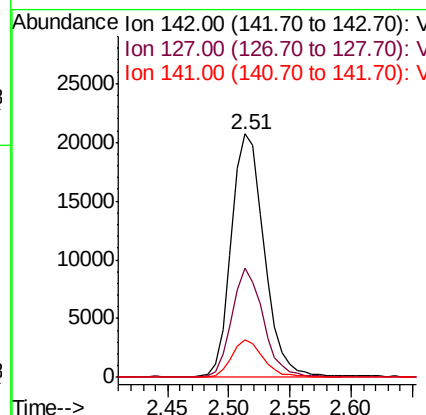
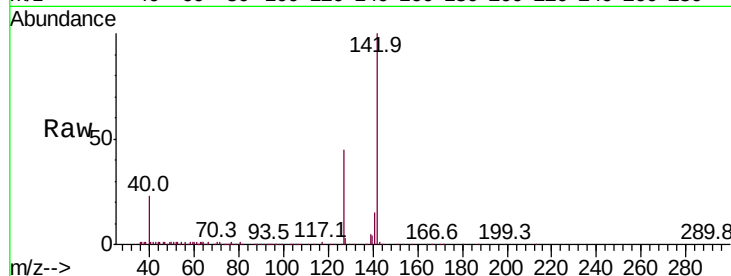
#11
Methvl Iodide
Concen: 14.915 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.7	22.1	66.5
141	15.3	7.4	22.3

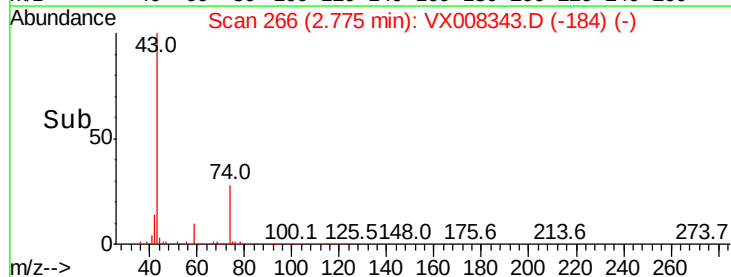
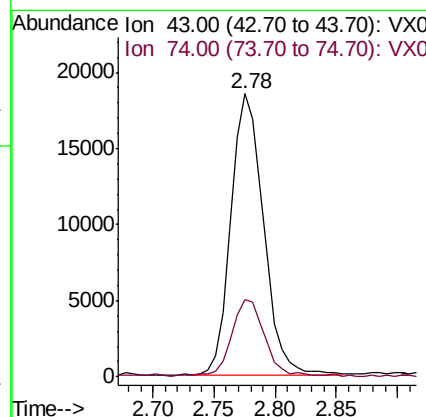
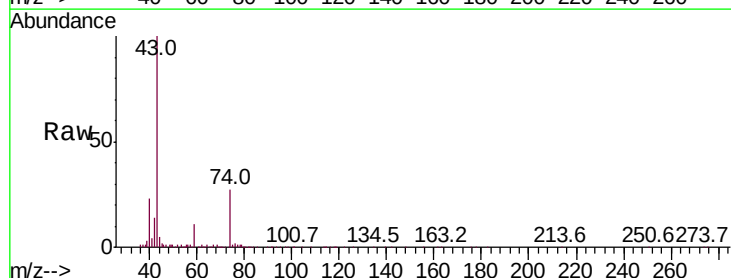
Manual Integrations
APPROVED

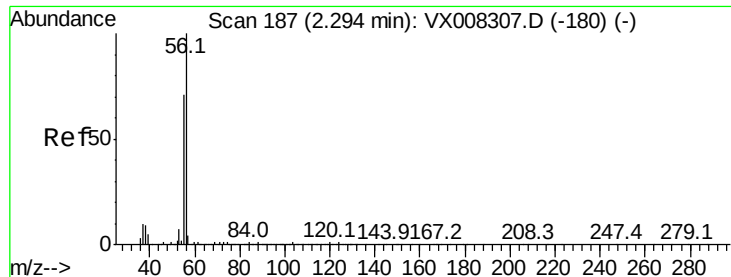
MMDadoda
3/23/2019 9:33:23 AM



#12
Methyl Acetate
Concen: 18.120 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.1	19.4	29.0





#13

Acrolein

Concen: 94.730 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 27786

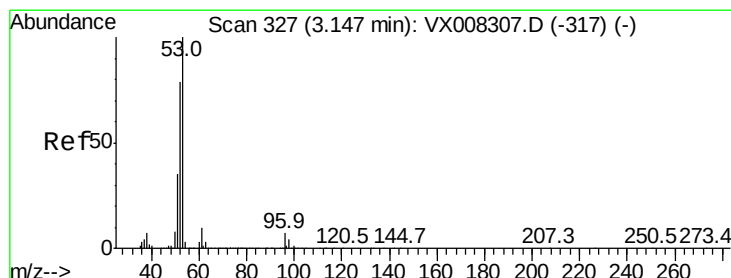
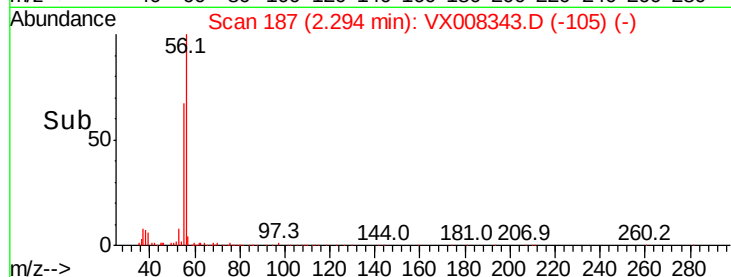
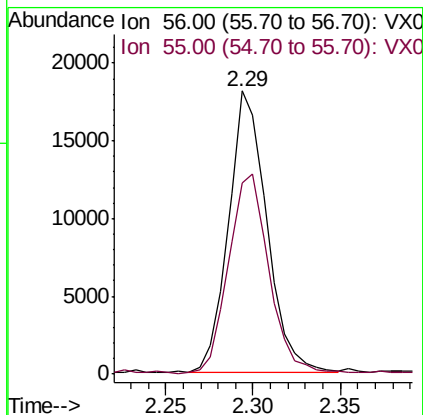
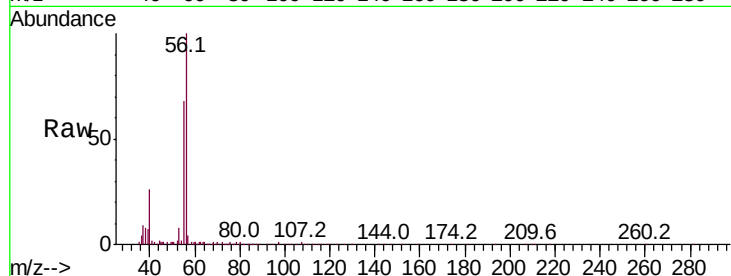
Ion Ratio Lower Upper

56 100

55 73.7 58.6 87.8

Manual Integrations
APPROVED

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3/23/2019 9:33:23 AM



#14

Acrylonitrile

Concen: 92.675 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

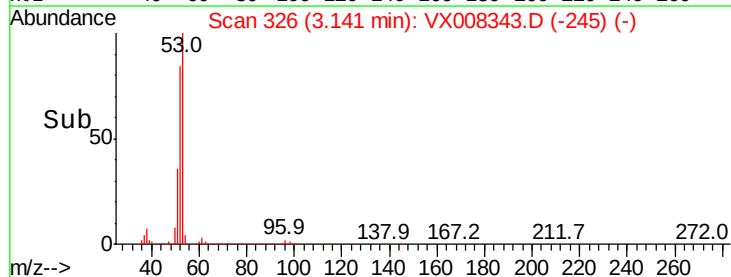
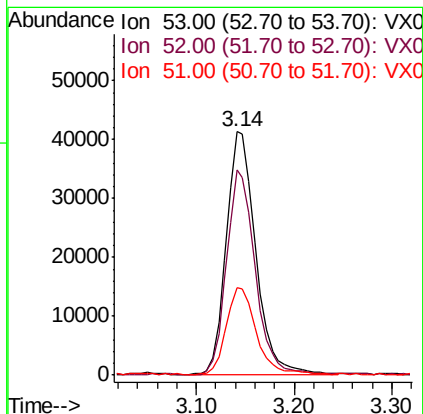
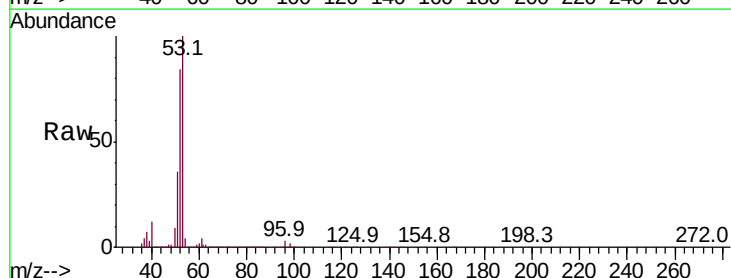
Tgt Ion: 53 Resp: 86113

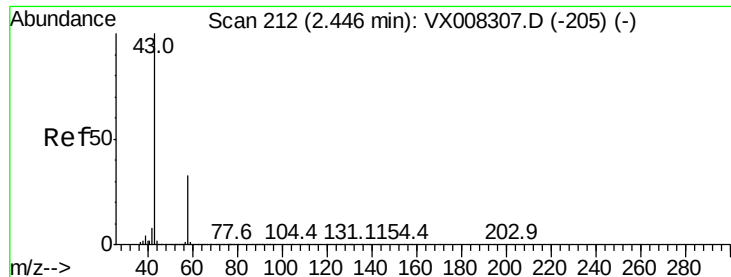
Ion Ratio Lower Upper

53 100

52 81.5 41.3 124.1

51 37.5 17.5 52.6





#15

Acetone

Concen: 70.357 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 25636

Ion Ratio Lower Upper

58 100

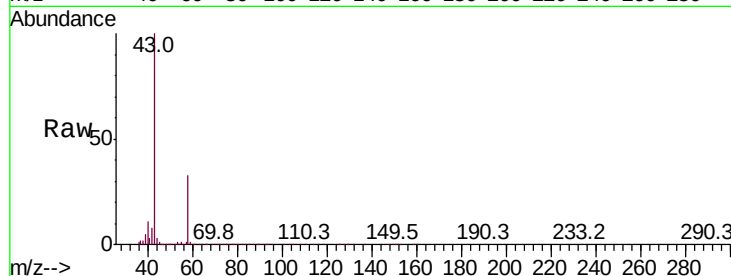
43 301.6 249.8 374.6

Manual Integrations

APPROVED

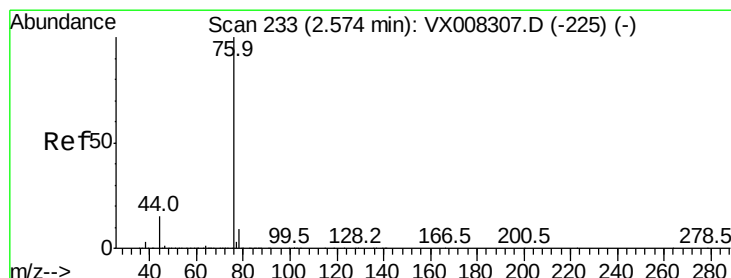
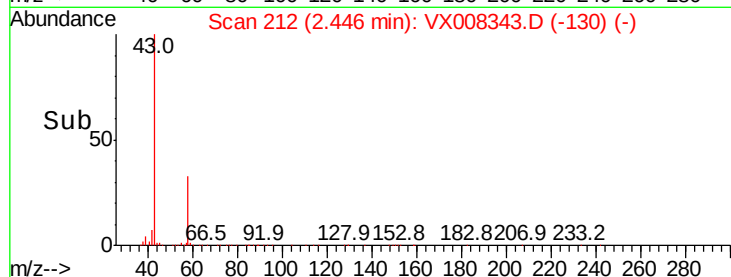
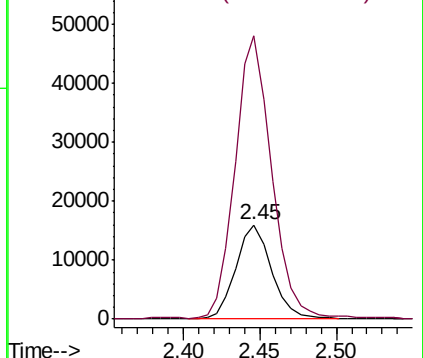
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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 18.147 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX008343.D

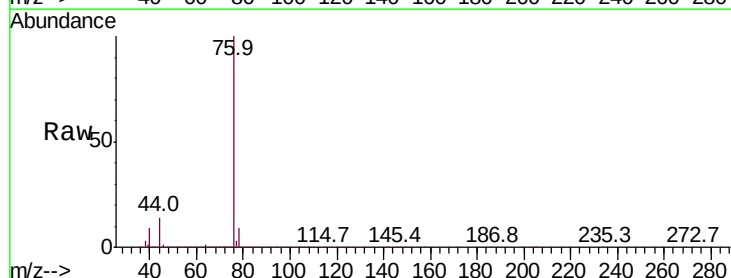
Acq: 22 Mar 2019 17:03

Tgt Ion: 76 Resp: 86338

Ion Ratio Lower Upper

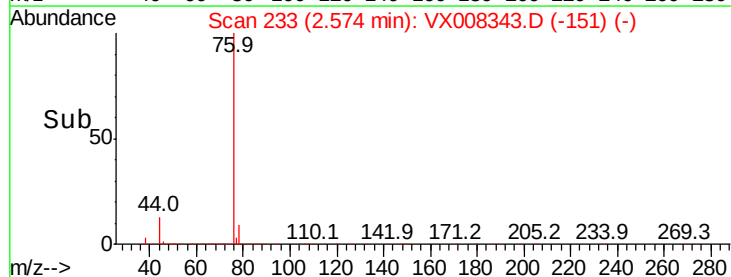
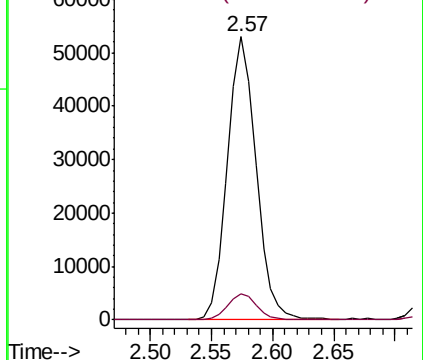
76 100

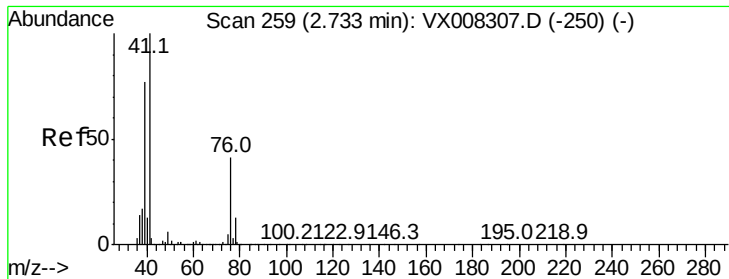
78 9.2 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





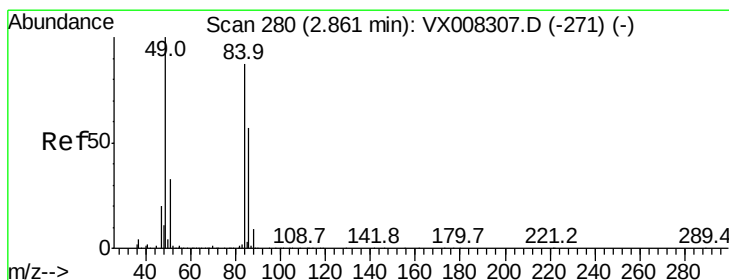
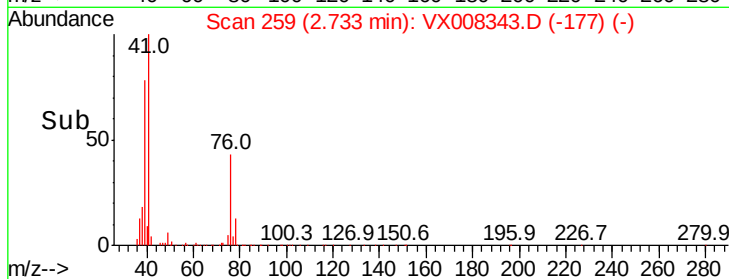
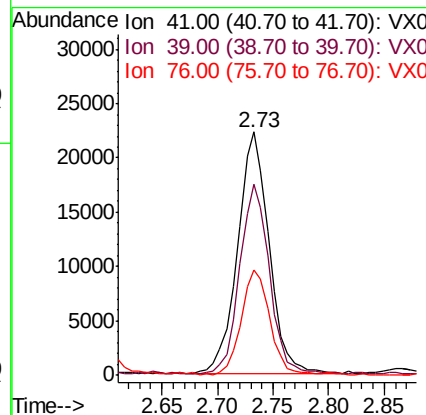
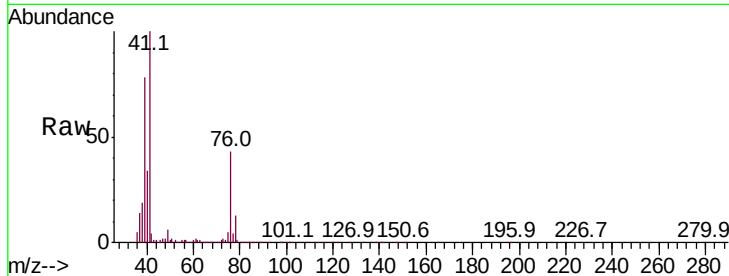
#17
Allvl chloride
Concen: 17.239 ug/l
RT: 2.73 min Scan# 259
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	43649
Ion	Ratio	Lower	Upper
41	100		
39	78.5	35.8	107.4
76	42.8	18.3	54.9

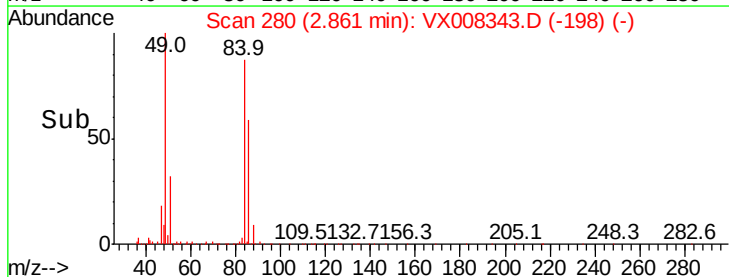
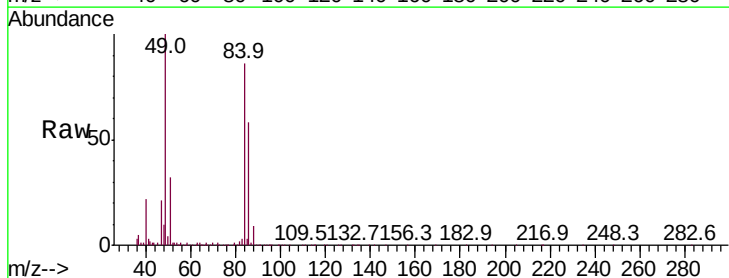
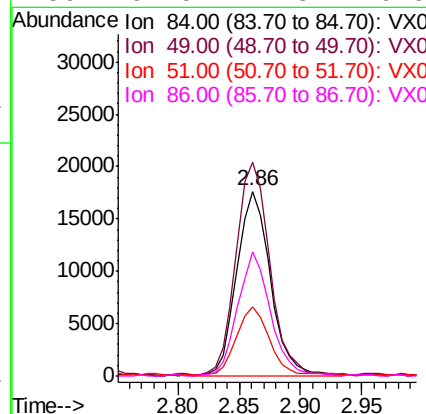
Manual Integrations
APPROVED

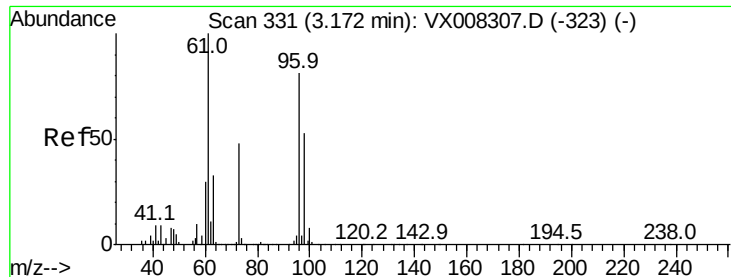
MMDadoda
3/23/2019 9:33:23 AM



#18
Methylene Chloride
Concen: 18.303 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Tgt Ion:	84	Resp:	33808
Ion	Ratio	Lower	Upper
84	100		
49	114.9	96.1	144.1
51	36.9	29.1	43.7
86	67.5	47.3	70.9





#19

trans-1,2-Dichloroethene

Concen: 17.801 ug/l

RT: 3.17 min Scan# 331

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 96 Resp: 32424

Ion Ratio Lower Upper

96 100

61 130.7 109.9 164.9

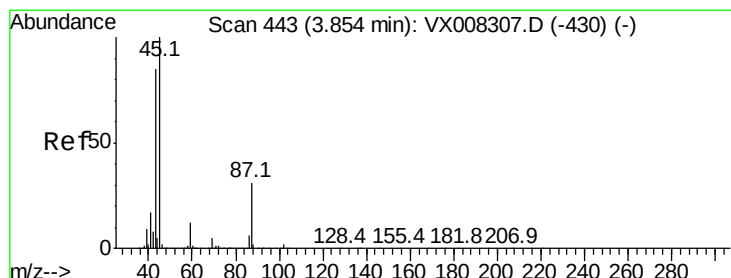
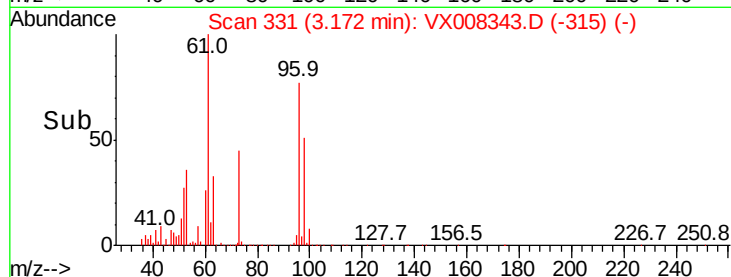
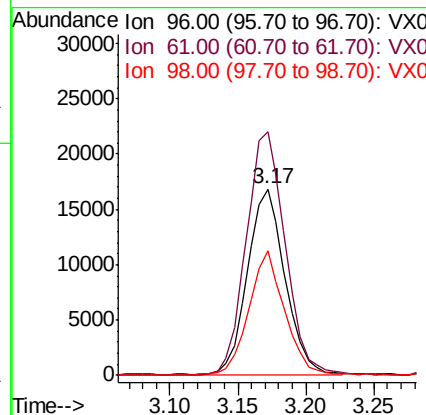
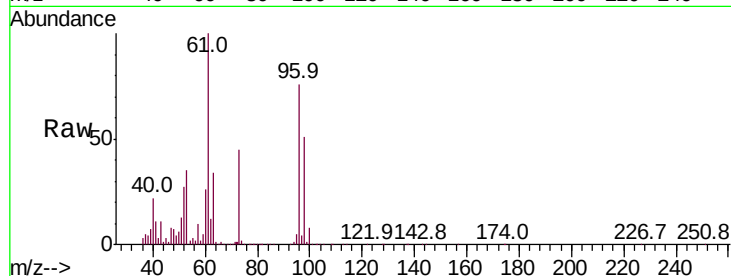
98 66.5 50.4 75.6

Manual Integrations

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3/23/2019 9:33:23 AM



#20

Diisopropyl ether

Concen: 18.499 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Tgt Ion: 45 Resp: 97940

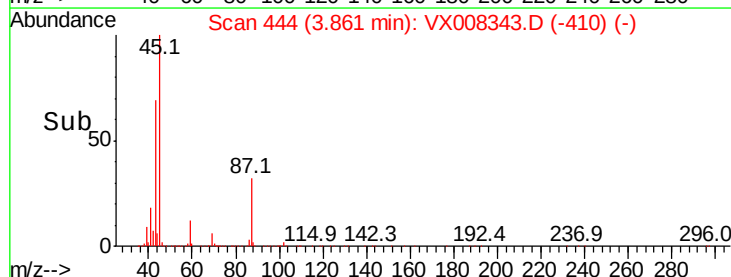
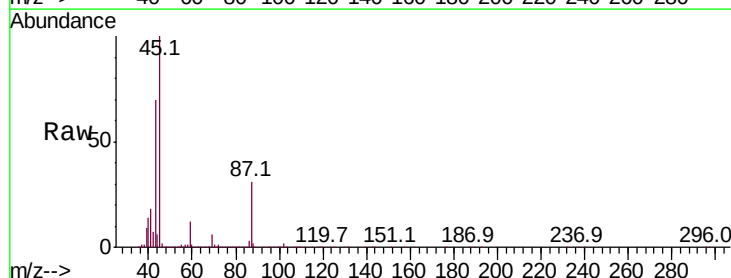
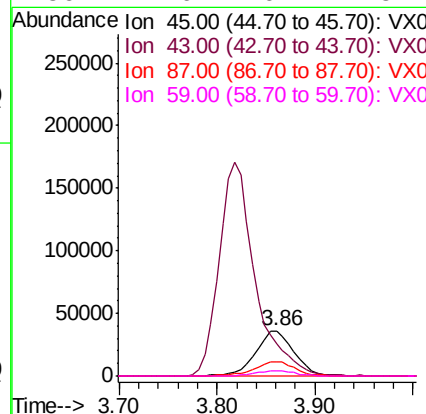
Ion Ratio Lower Upper

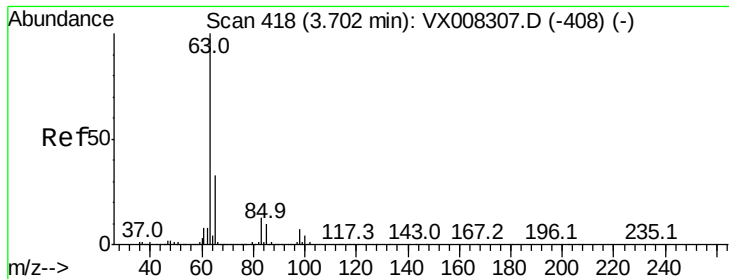
45 100

43 68.3 50.6 76.0

87 31.4 24.5 36.7

59 11.6 10.2 15.2





#21

1,1-Dichloroethane

Concen: 18.882 ug/l

RT: 3.70 min Scan# 418

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

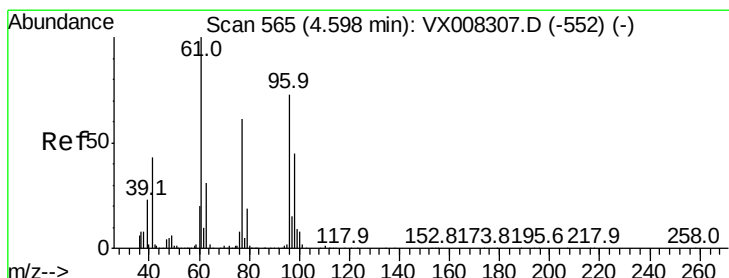
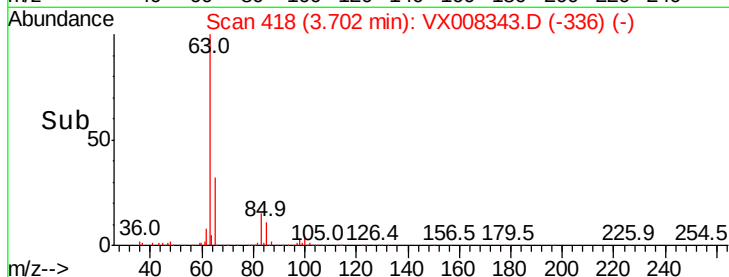
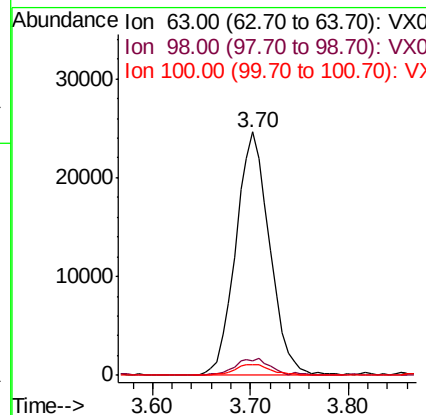
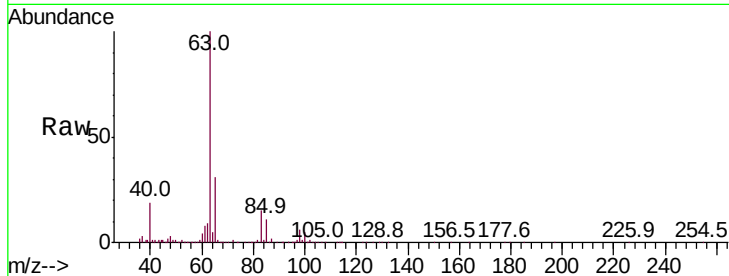
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100	59038		
98	6.2		3.8	11.4
100	4.6		2.4	7.1

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 18.358 ug/l

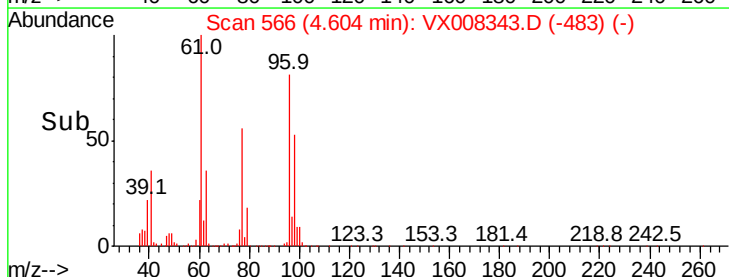
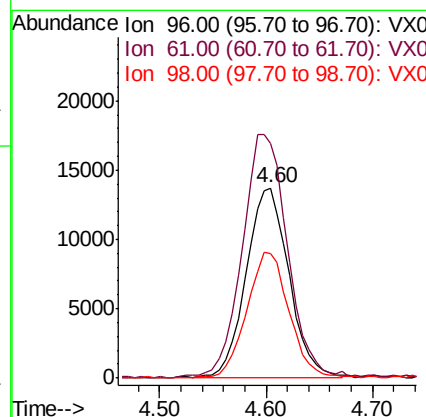
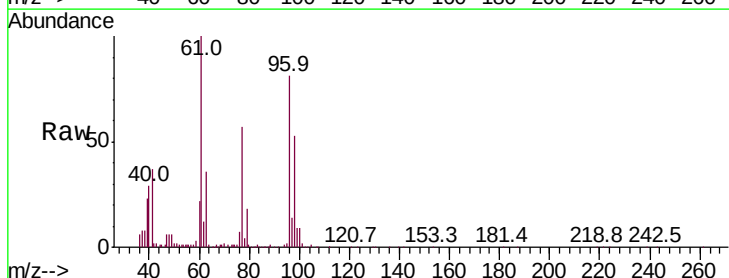
RT: 4.60 min Scan# 566

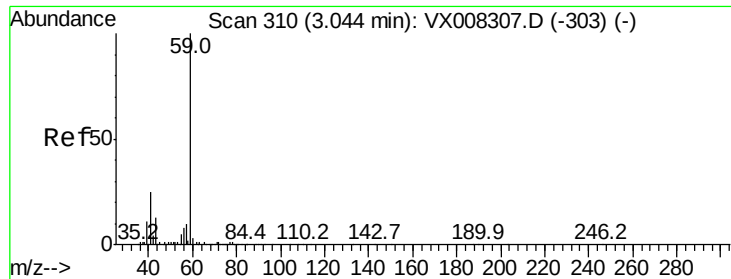
Delta R.T. 0.01 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	38566		
61	135.6		103.5	155.3
98	65.8		52.1	78.1





#23

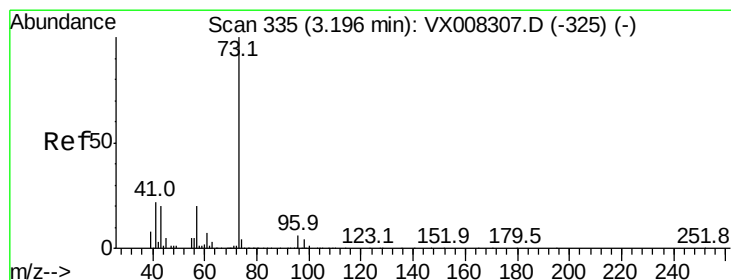
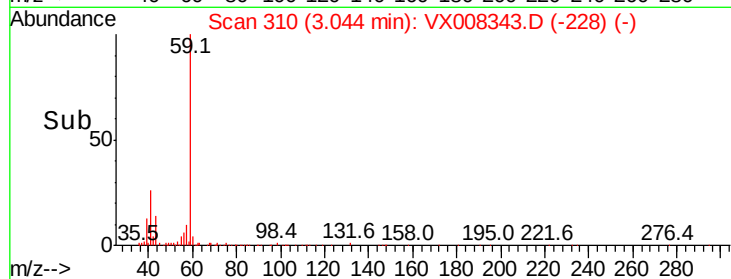
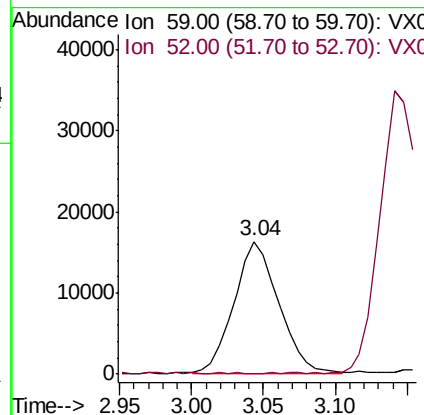
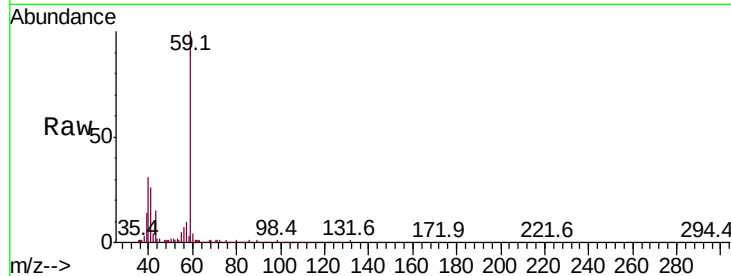
tert-Butyl Alcohol
 Concen: 94.462 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	59	52	Ratio	100	0.3	Resp	35633	Lower	0.2	Upper	0.2#
Ion	59	52	Ratio	100	0.3	Resp	35633	Lower	0.2	Upper	0.2#

Manual Integrations
 APPROVED

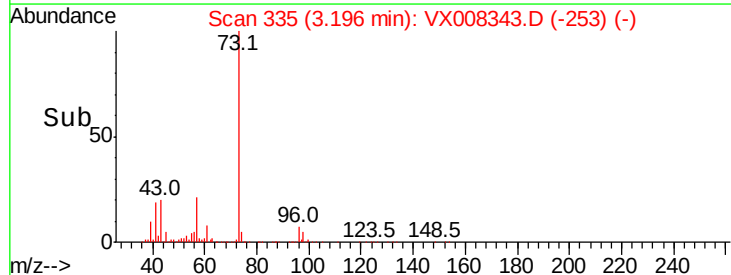
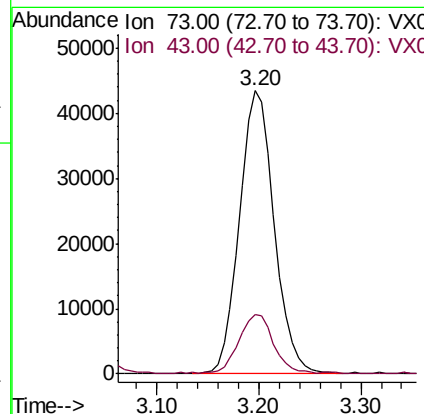
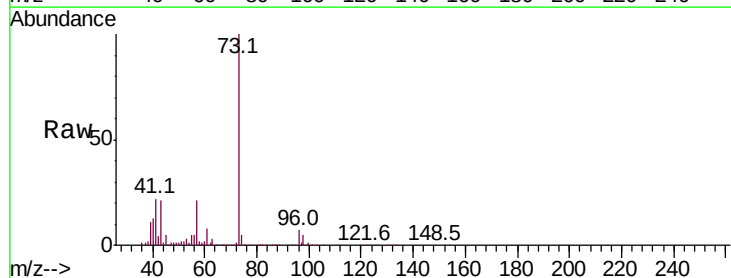
MMDadoda
 3/23/2019 9:33:23 AM

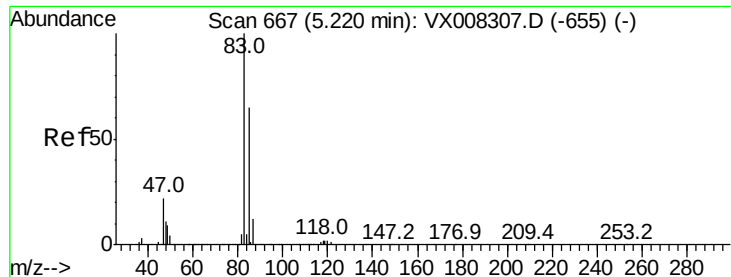


#24

Methyl tert-Butyl Ether
 Concen: 18.610 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Tgt Ion	73	43	Ratio	100	20.3	Resp	102588	Lower	17.1	Upper	25.7
Ion	73	43	Ratio	100	20.3	Resp	102588	Lower	17.1	Upper	25.7





#25

Chloroform

Concen: 18.468 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.01 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 61254

Ion Ratio Lower Upper

83 100

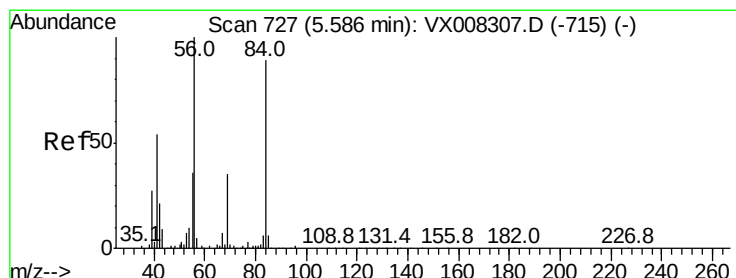
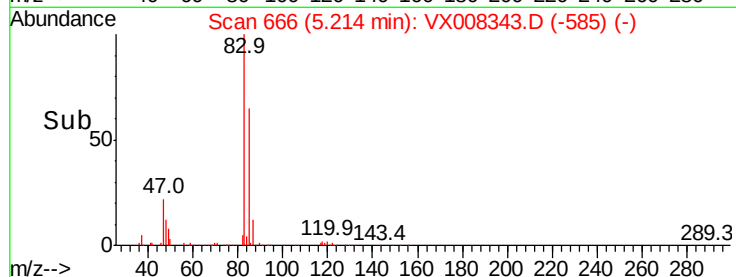
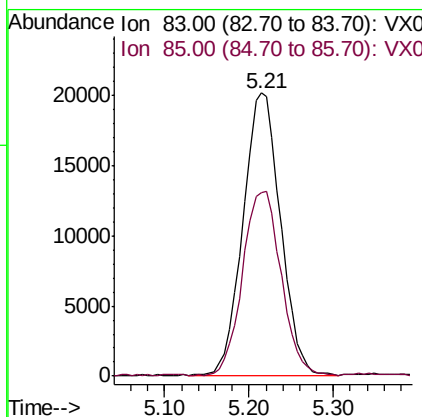
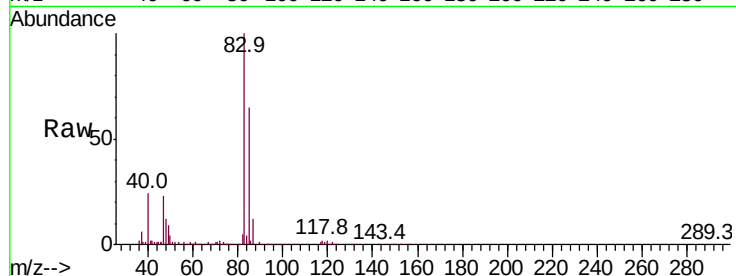
85 64.7 53.8 80.6

Manual Integrations

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3/23/2019 9:33:23 AM



#26

Cyclohexane

Concen: 17.871 ug/l

RT: 5.59 min Scan# 727

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

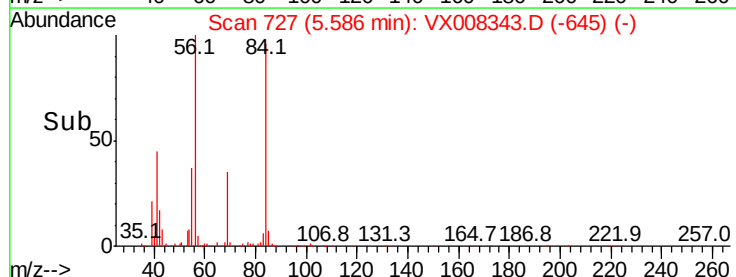
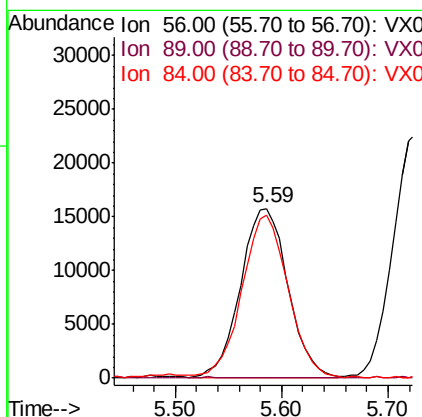
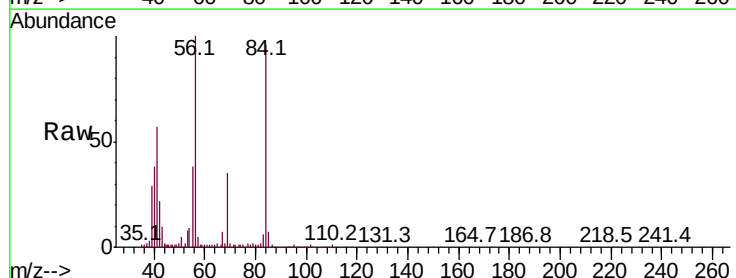
Tgt Ion: 56 Resp: 49418

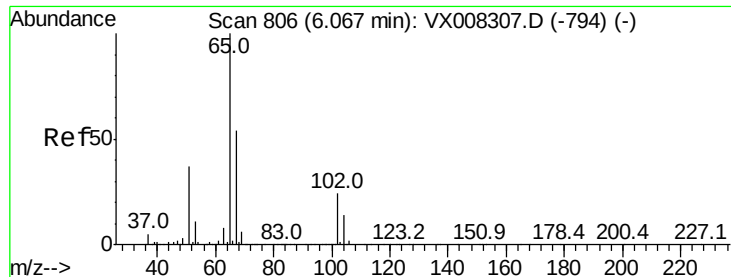
Ion Ratio Lower Upper

56 100

89 0.1 0.0 0.0#

84 92.4 73.9 110.9





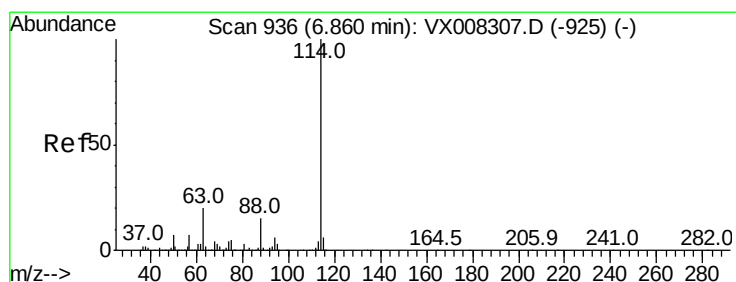
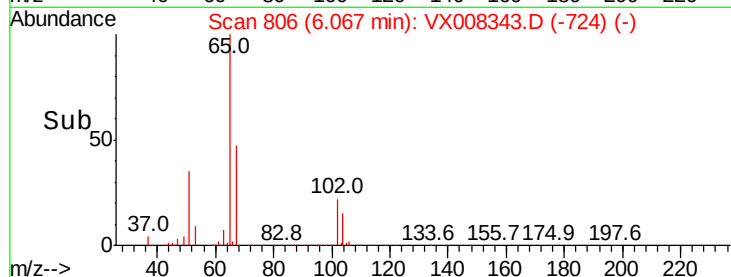
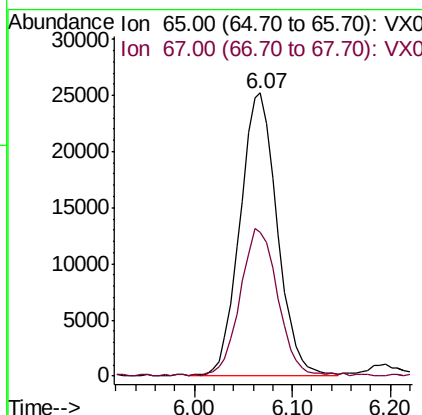
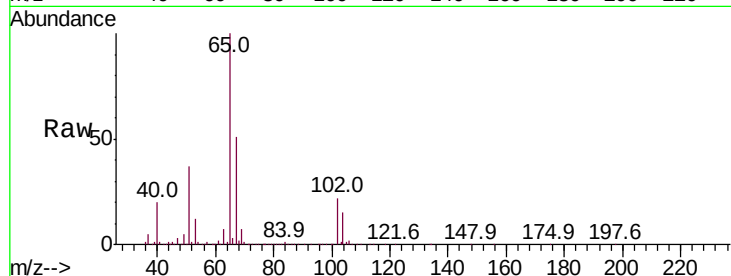
#27
 1,2-Dichloroethane-d4
 Concen: 30.209 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	42.9	64.3

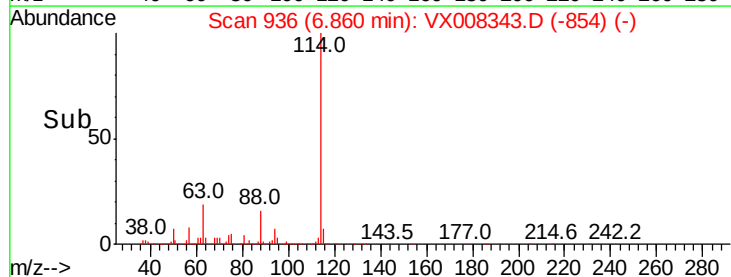
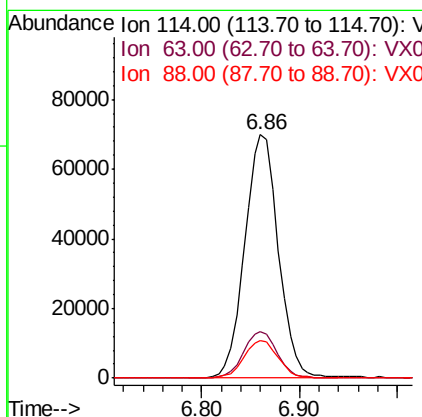
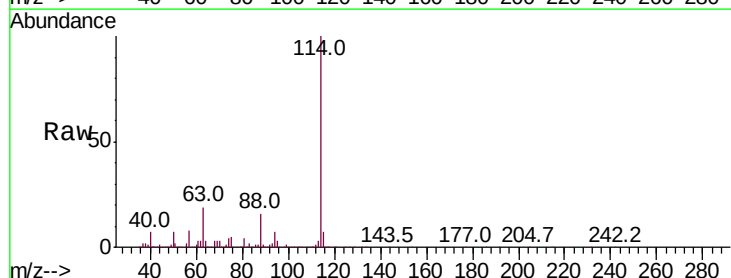
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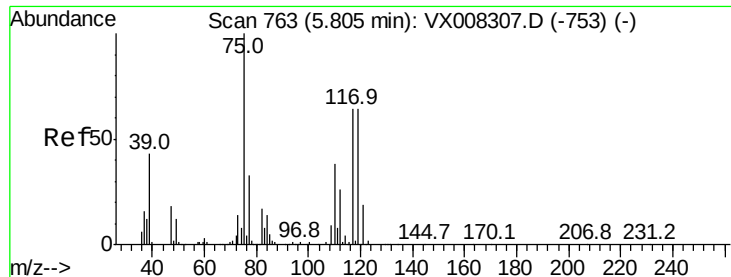
MMDadoda
 3/23/2019 9:33:23 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.6	14.2	21.4
88	15.7	11.9	17.9





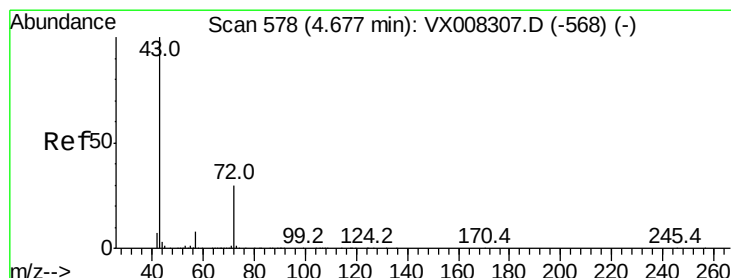
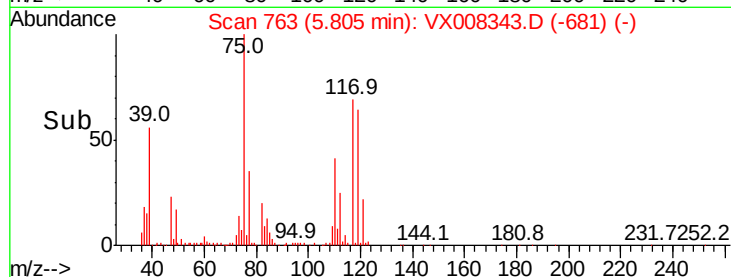
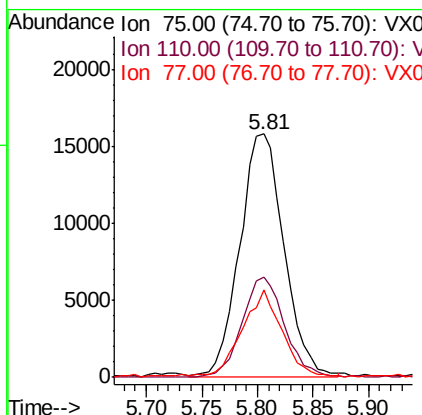
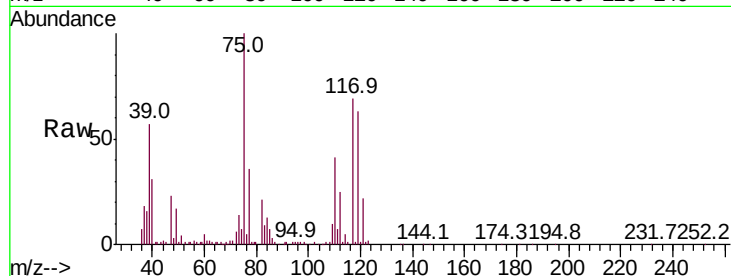
#29
 1,1-Dichloropropene
 Concen: 18.541 ug/l
 RT: 5.81 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	39.5	0.0	80.8
77	32.1	0.0	62.4

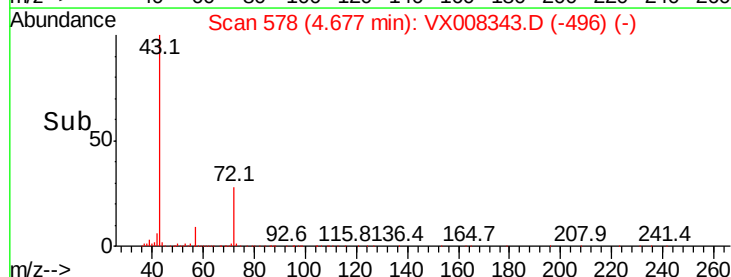
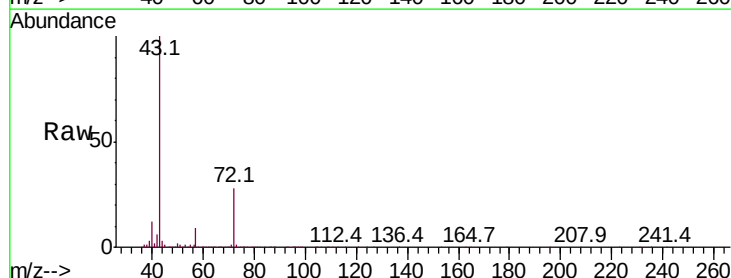
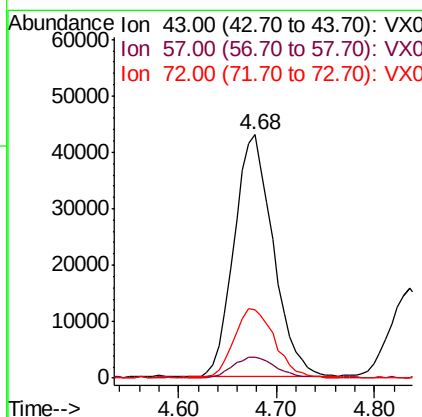
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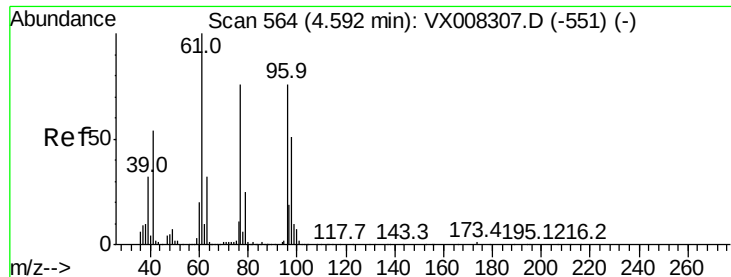
MMDadoda
 3/23/2019 9:33:23 AM



#30
 2-Butanone
 Concen: 87.765 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.5	7.0	10.6
72	28.8	21.5	32.3





#31

2,2-Dichloropropane

Concen: 18.086 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 40249

Ion Ratio Lower Upper

77 100

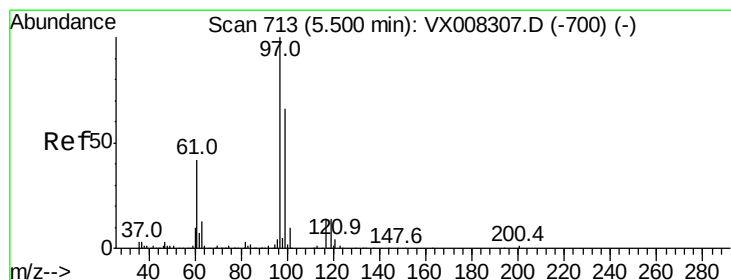
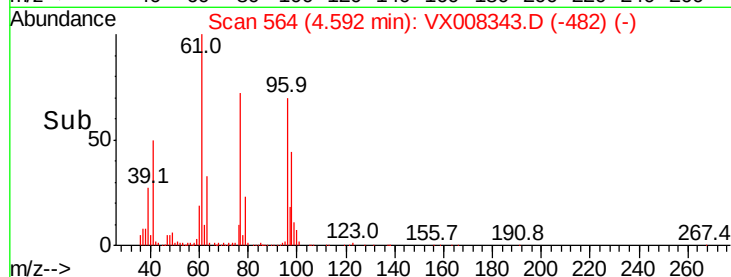
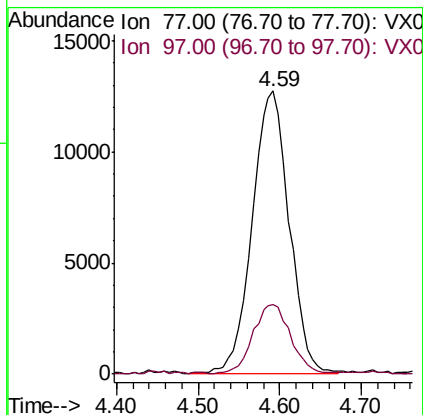
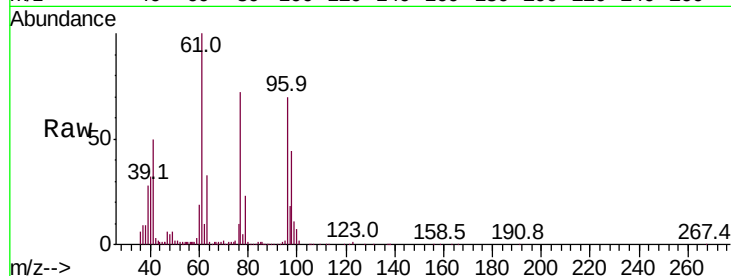
97 25.2 20.6 31.0

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#32

1,1,1-Trichloroethane

Concen: 18.922 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

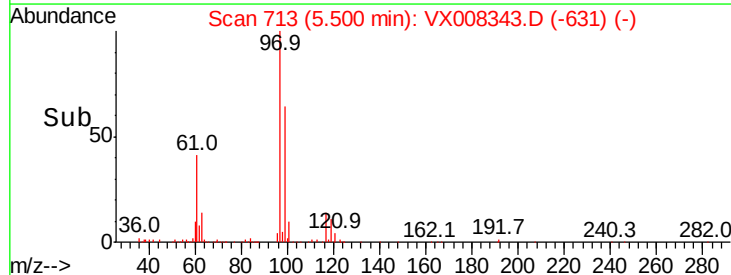
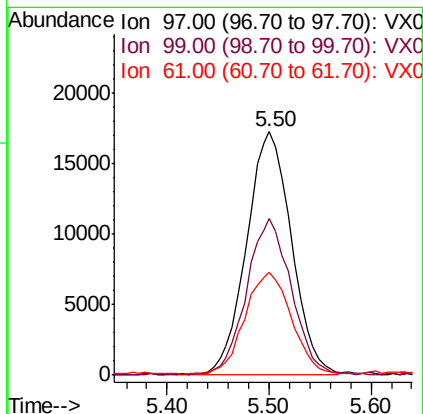
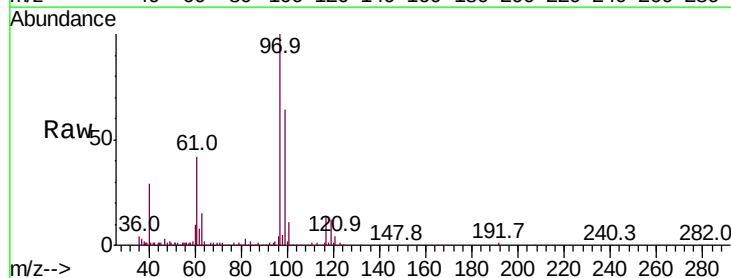
Tgt Ion: 97 Resp: 52625

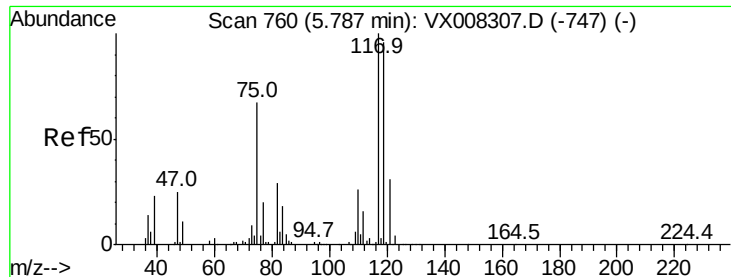
Ion Ratio Lower Upper

97 100

99 64.5 51.7 77.5

61 44.5 32.8 49.2





#33

Carbon Tetrachloride

Concen: 18.005 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

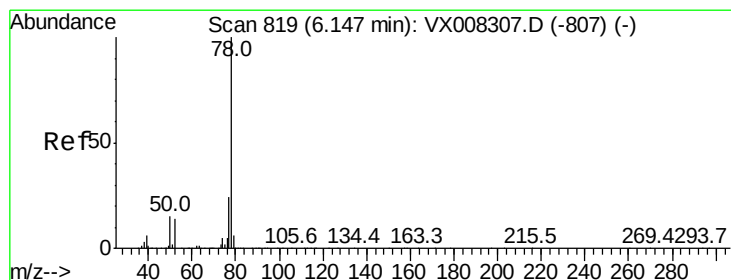
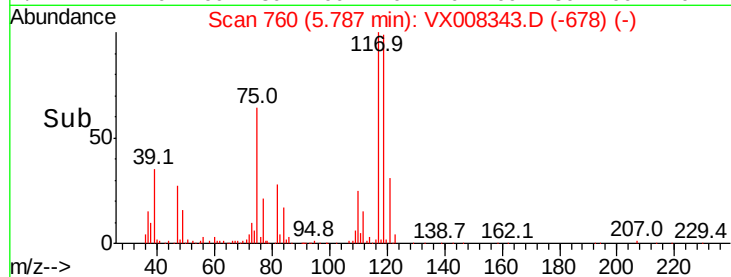
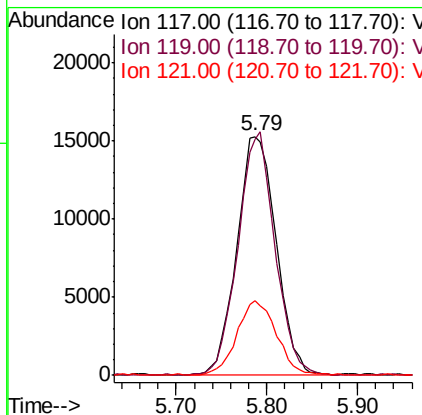
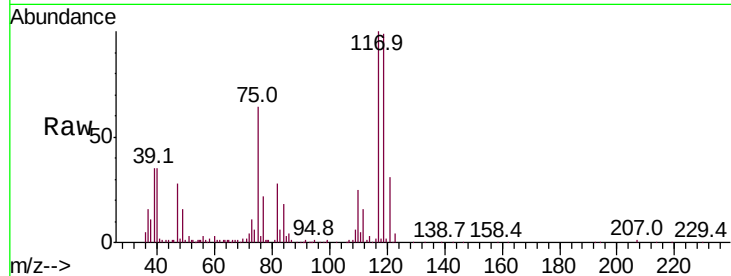
ClientSampleId :

VSTDCCC020EC

Tot Ion:	117	Resp:	45988
Ion	Ratio	Lower	Upper
117	100		
119	99.0	78.1	117.1
121	31.3	27.0	40.6

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#34

Benzene

Concen: 19.369 ug/l

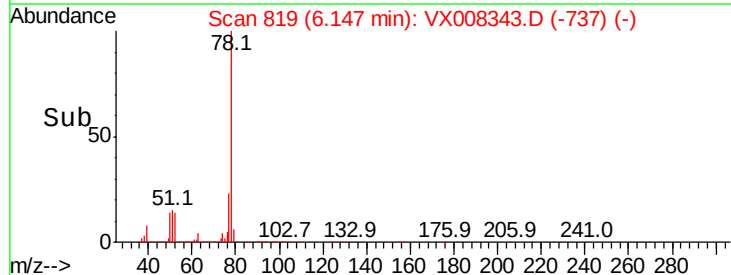
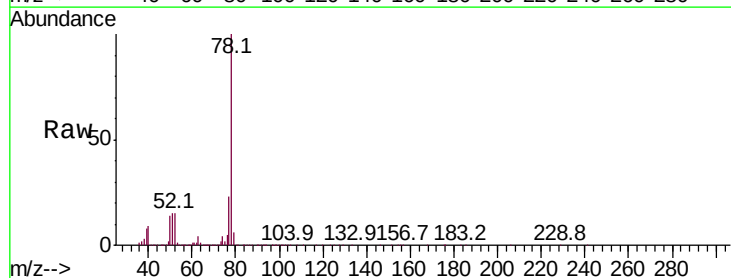
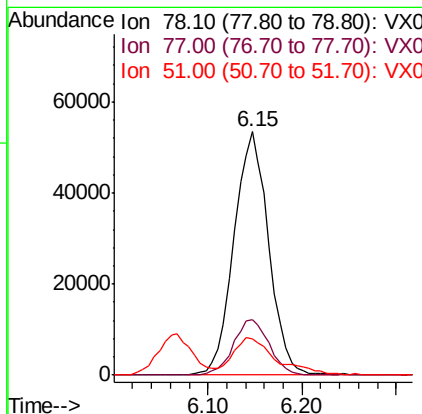
RT: 6.15 min Scan# 819

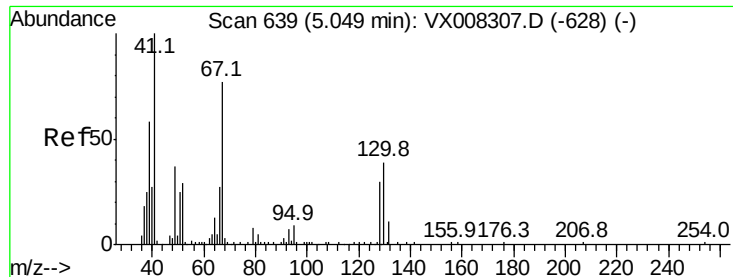
Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Tgt Ion:	78	Resp:	136373
Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.1	28.7
51	14.0	10.8	16.2





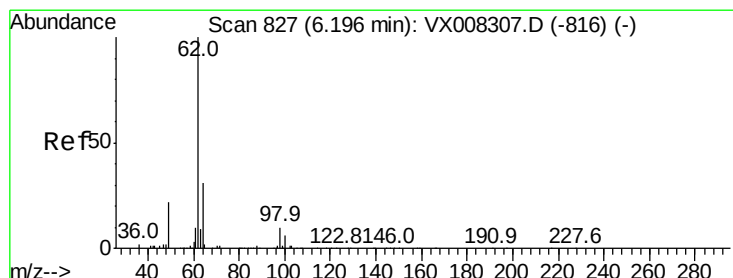
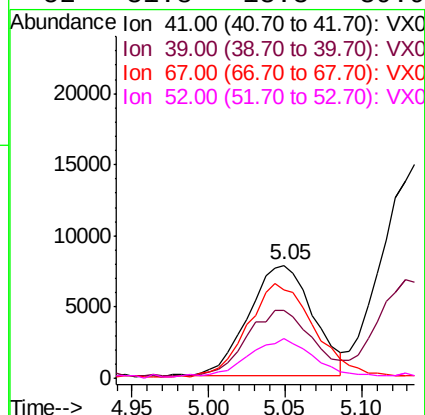
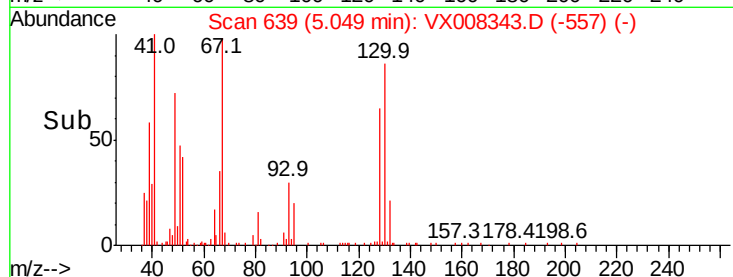
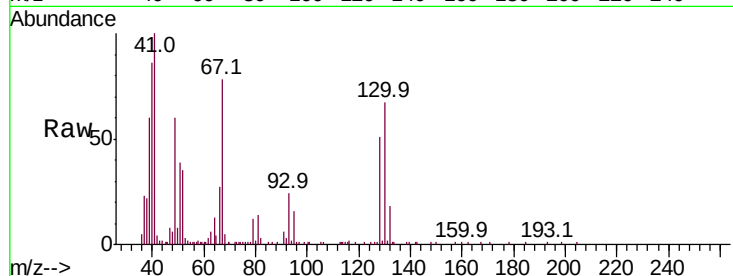
#35
Methacrylonitrile
Concen: 17.866 ug/l
RT: 5.05 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.0	27.4	82.0
67	78.2	37.9	113.6
52	31.8	13.3	39.9

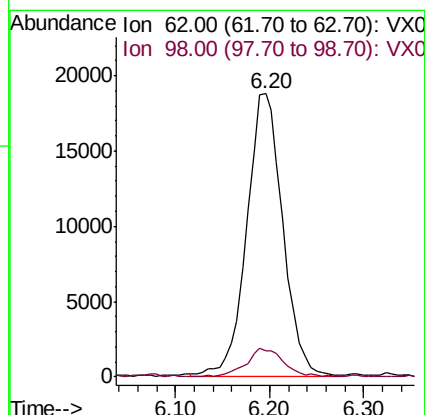
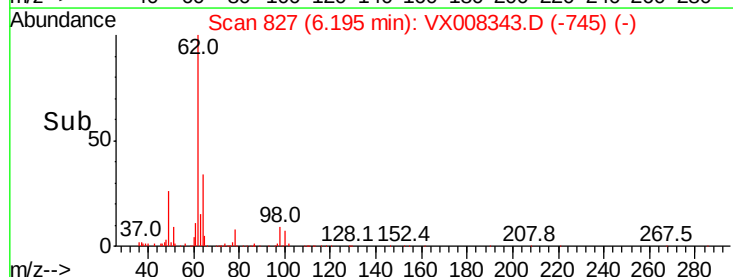
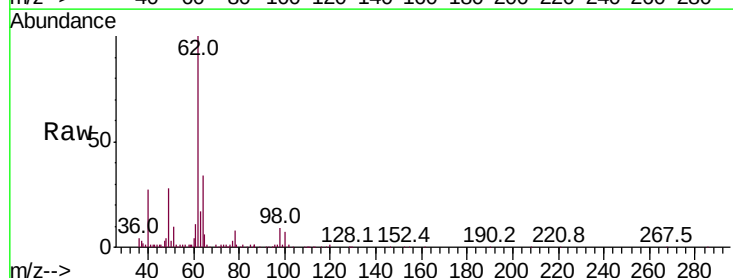
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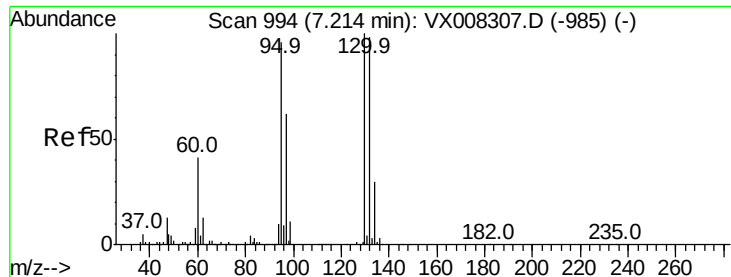
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.556 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	7.8	11.8





#37

Trichloroethene

Concen: 18.175 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:130 Resp: 37624

Ion Ratio Lower Upper

130 100

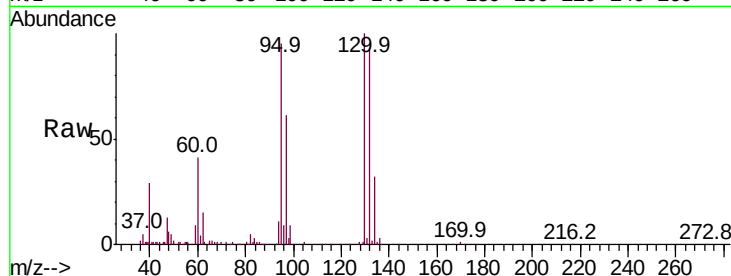
95 95.3 71.3 106.9

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

20000

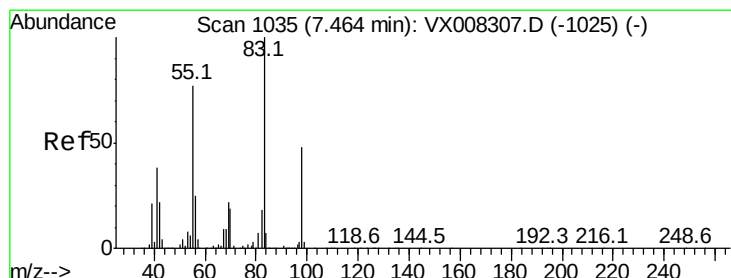
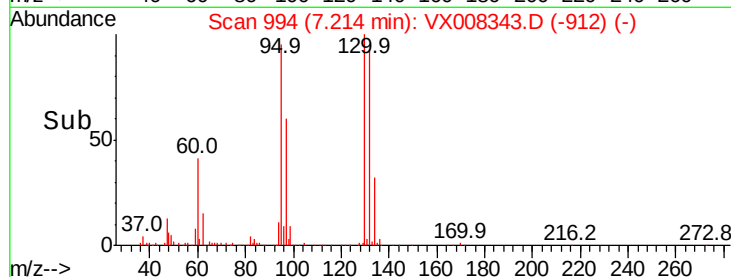
15000

10000

5000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#38

Methylcyclohexane

Concen: 17.080 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

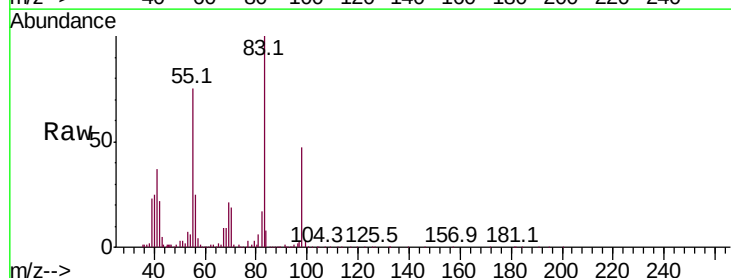
Tgt Ion: 83 Resp: 50598

Ion Ratio Lower Upper

83 100

55 71.0 36.0 108.0

98 48.3 23.8 71.4



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

7.46

30000

25000

20000

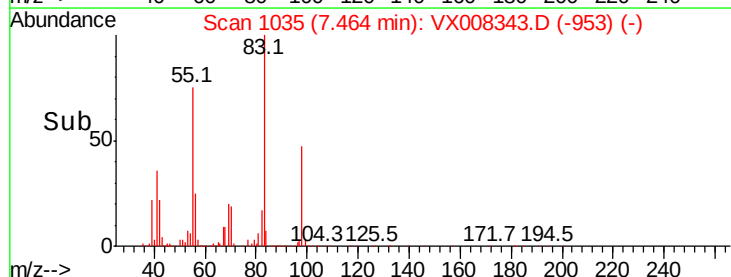
15000

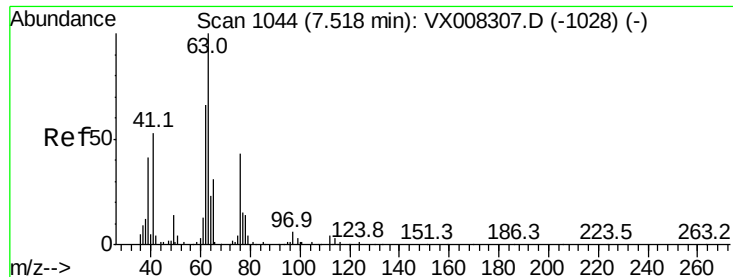
10000

5000

0

Time--> 7.35 7.40 7.45 7.50 7.55





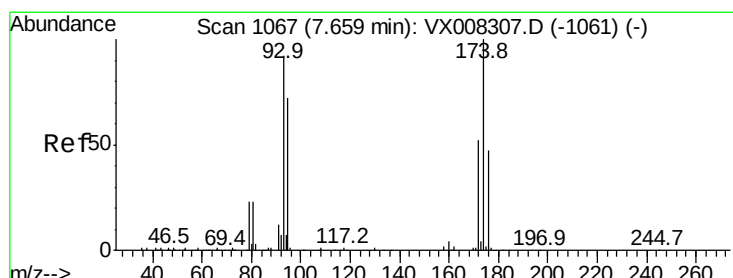
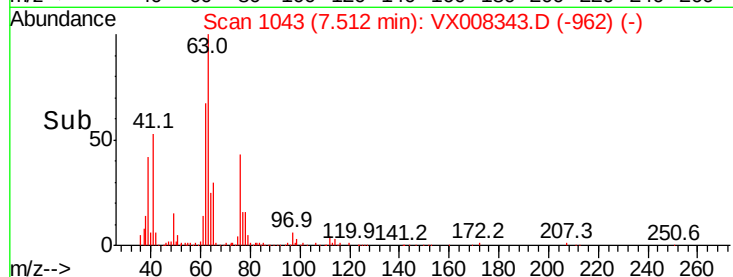
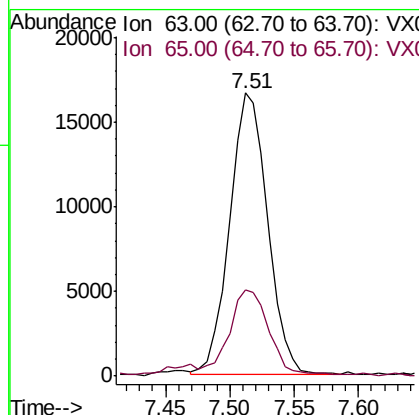
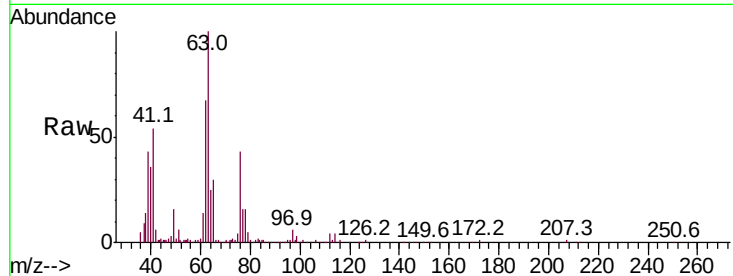
#39
 1,2-Dichloropropane
 Concen: 19.081 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
63	63.00	100		
65	65.00	30.1	24.6	37.0

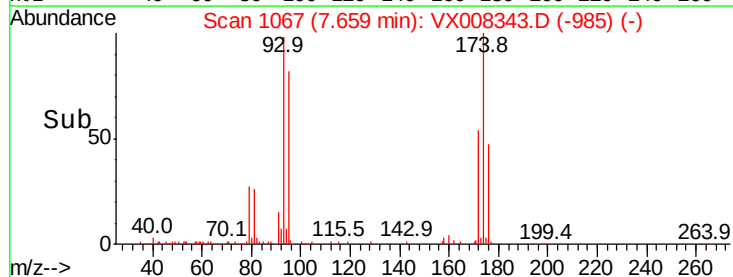
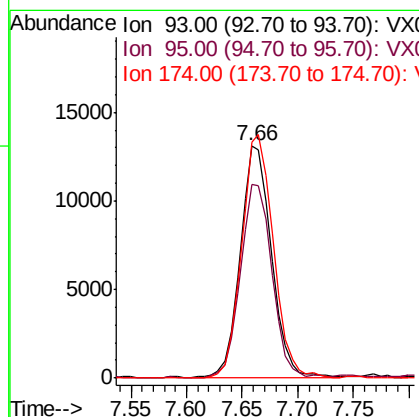
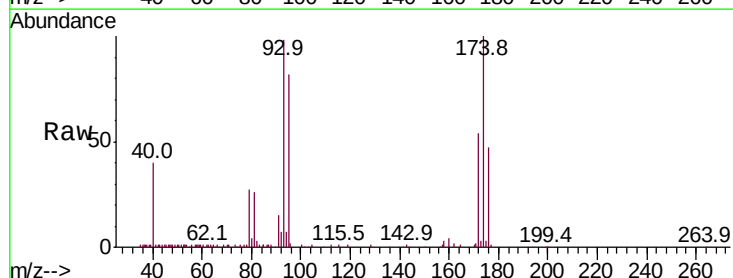
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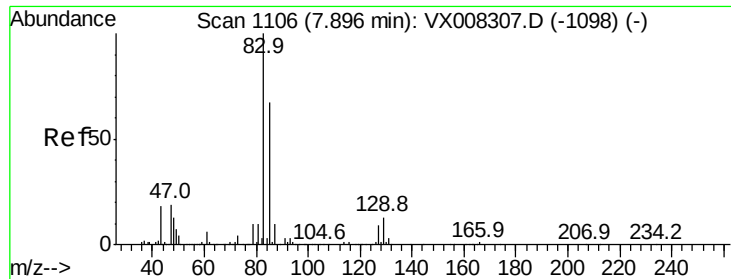
MMDadoda
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#40
 Dibromomethane
 Concen: 19.536 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Tgt Ion	Ion	Ratio	Lower	Upper
93	93.00	100		
95	95.00	83.7	0.0	158.8
174	174.00	105.7	0.0	224.2





#41

Bromodichloromethane

Concen: 18.901 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

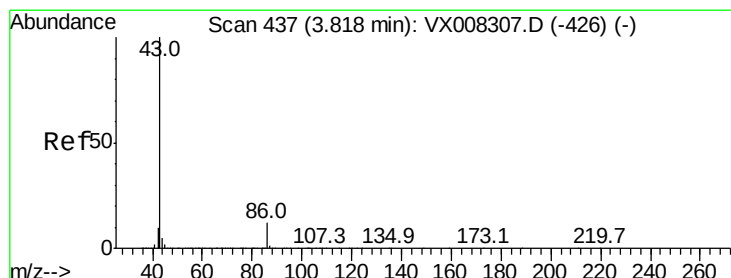
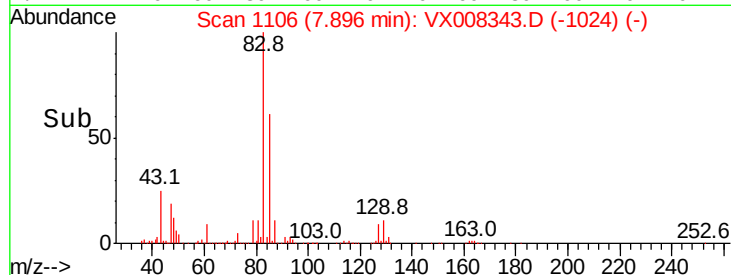
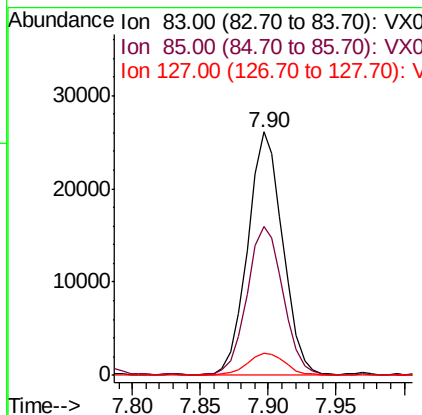
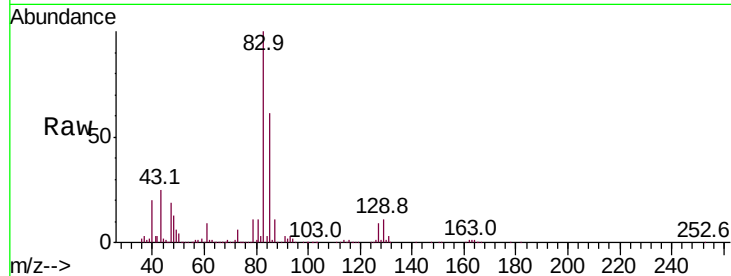
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	47127
Ion	Ratio	Lower	Upper
83	100		
85	61.0	51.1	76.7
127	9.4	7.2	10.8

Manual Integrations
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#42

Vinyl Acetate

Concen: 94.963 ug/l

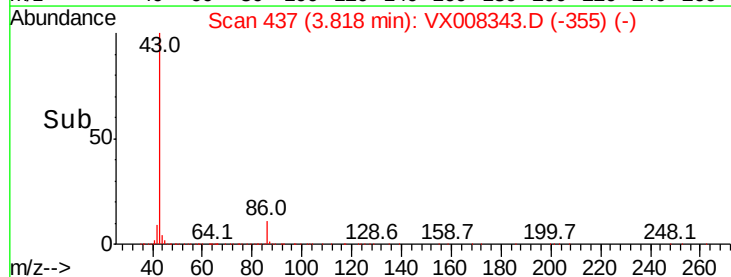
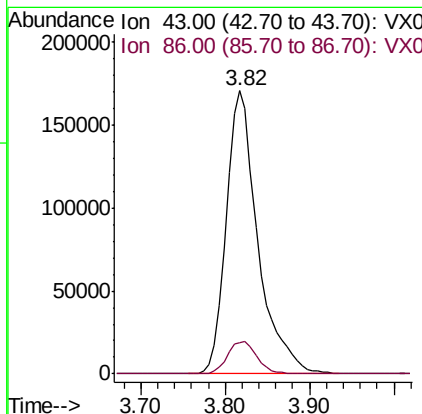
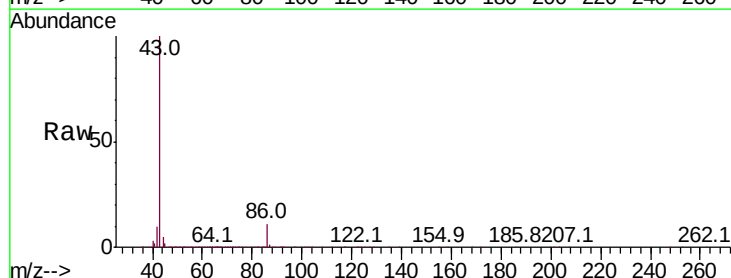
RT: 3.82 min Scan# 437

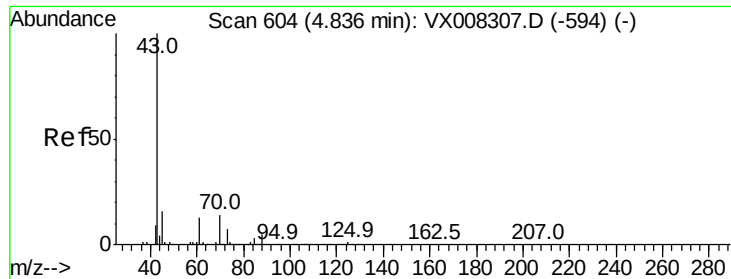
Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Tgt Ion:	43	Resp:	434548
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.2	12.2





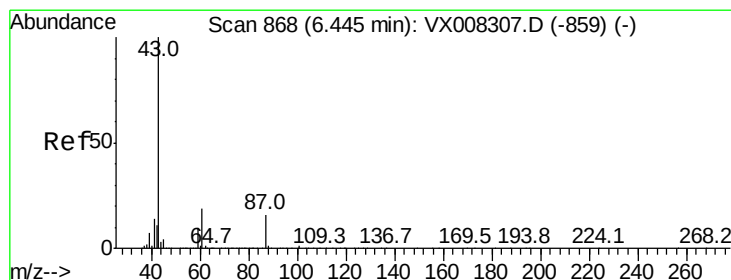
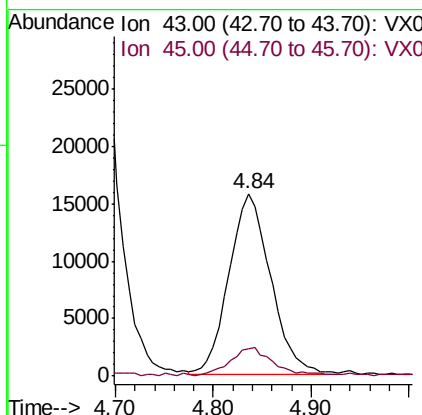
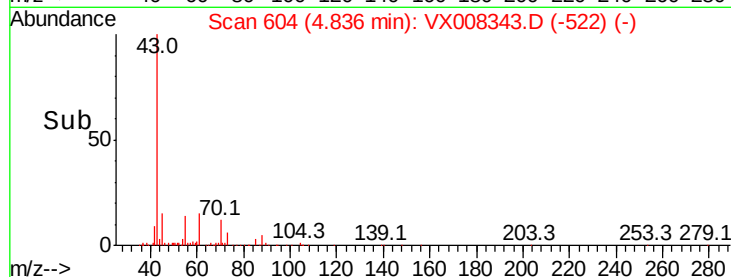
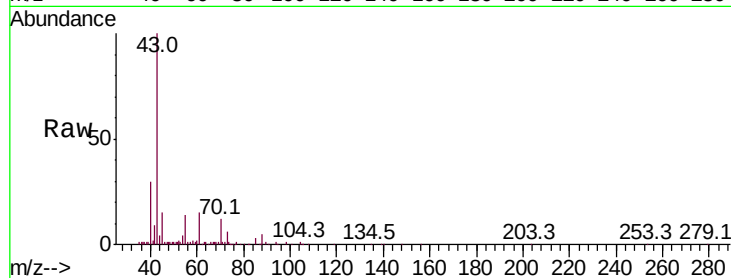
#43
Ethyl Acetate
Concen: 19.572 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 47034
Ion Ratio Lower Upper
43 100
45 15.9 6.9 10.3#

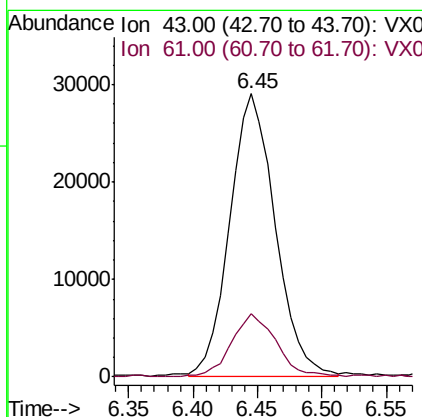
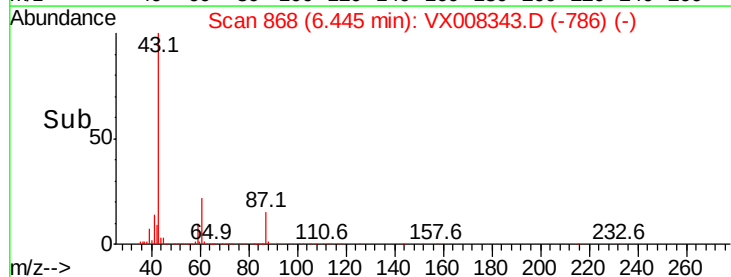
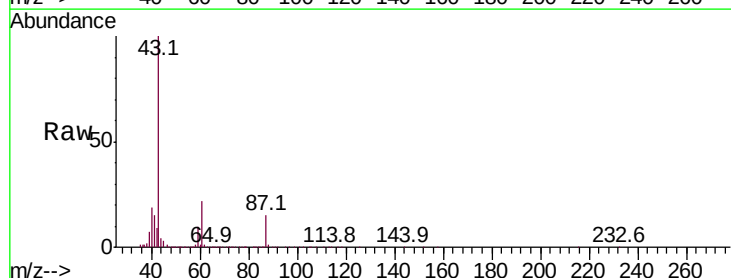
Manual Integrations
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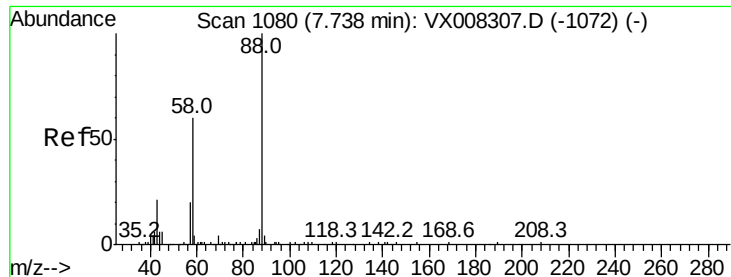
MMDadoda
3/23/2019 9:33:23 AM



#44
Isopropyl Acetate
Concen: 18.774 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Tgt Ion: 43 Resp: 71004
Ion Ratio Lower Upper
43 100
61 21.4 16.1 24.1





#45

1,4-Dioxane

Concen: 387.777 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

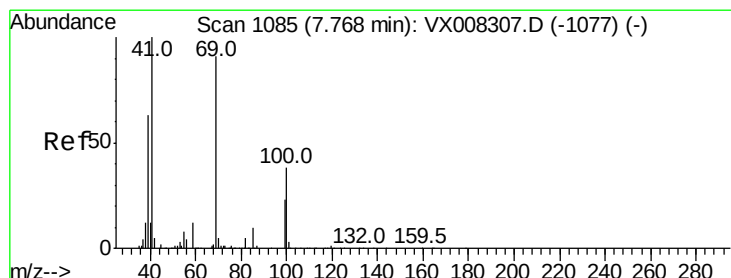
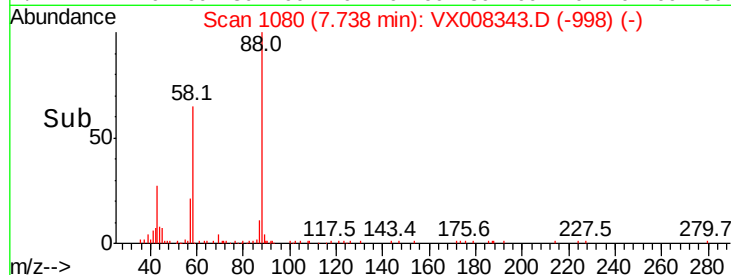
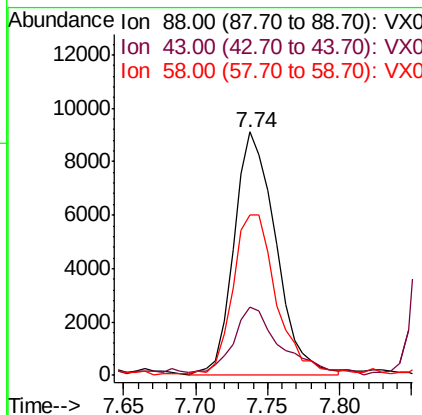
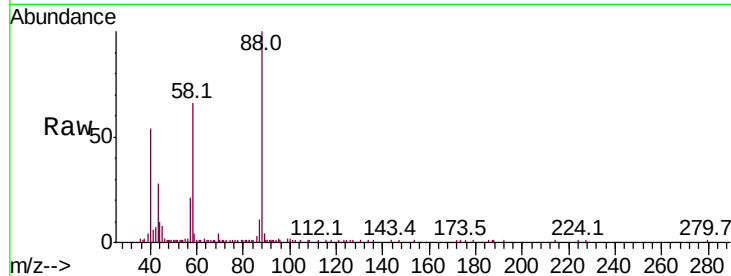
ClientSampleId :

VSTDCCC020EC

Tot Ion:	88	Resp:	18446
Ion	Ratio	Lower	Upper
88	100		
43	28.1	23.6	35.4
58	67.4	51.6	77.4

Manual Integrations
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3/23/2019 9:33:23 AM



#46

Methyl methacrylate

Concen: 18.822 ug/l

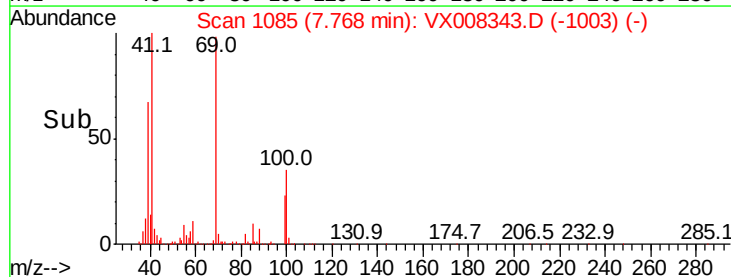
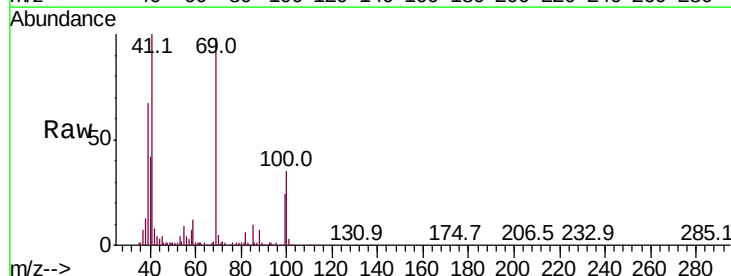
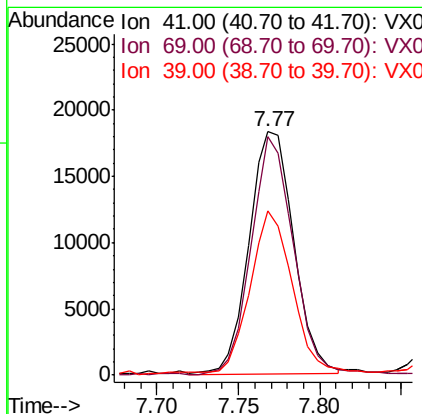
RT: 7.77 min Scan# 1085

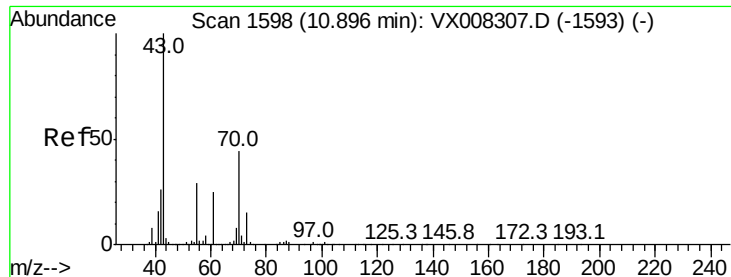
Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Tgt Ion:	41	Resp:	34928
Ion	Ratio	Lower	Upper
41	100		
69	98.5	44.2	132.6
39	66.8	29.9	89.8





#47

n-amvl Acetate

Concen: 18.379 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 59593

Ion Ratio Lower Upper

43 100

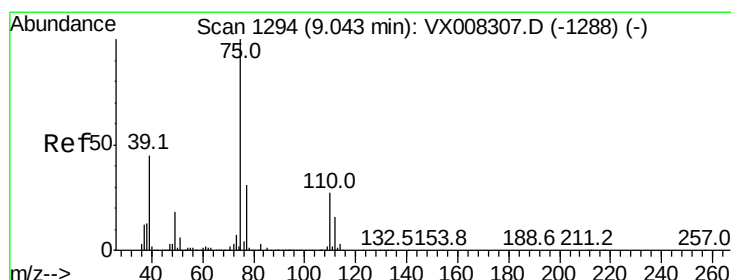
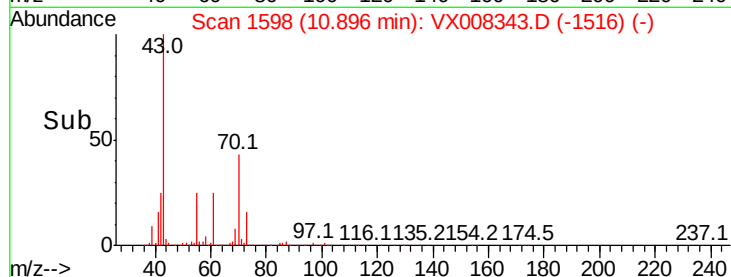
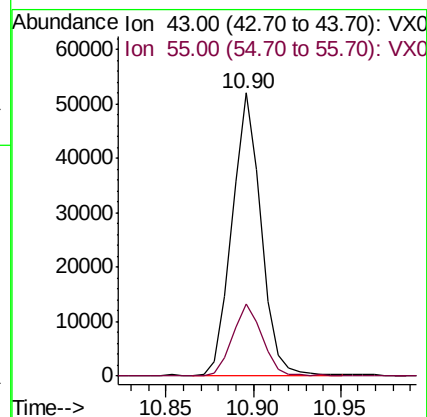
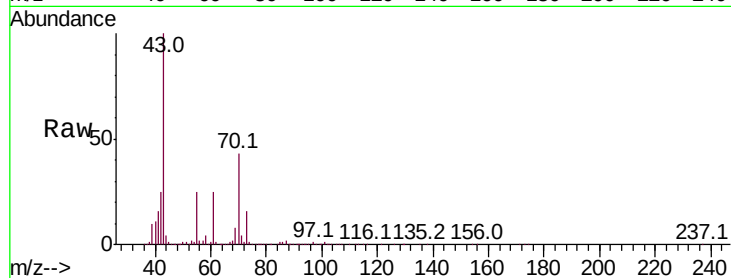
55 26.0 20.8 31.2

Manual Integrations

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MMDadoda

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#48

t-1,3-Dichloropropene

Concen: 17.574 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX008343.D

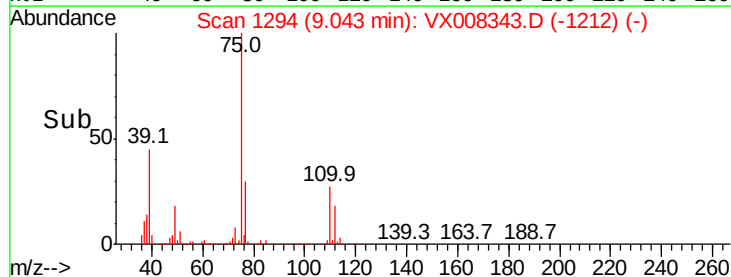
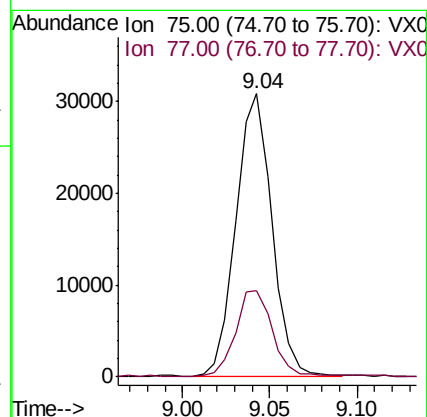
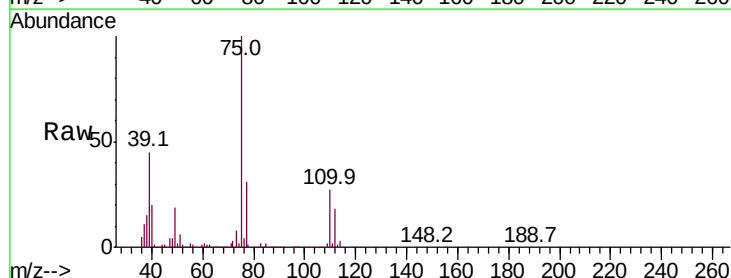
Acq: 22 Mar 2019 17:03

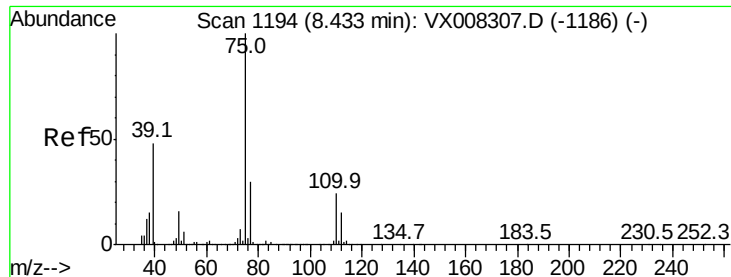
Tgt Ion: 75 Resp: 43872

Ion Ratio Lower Upper

75 100

77 30.2 24.5 36.7





#49

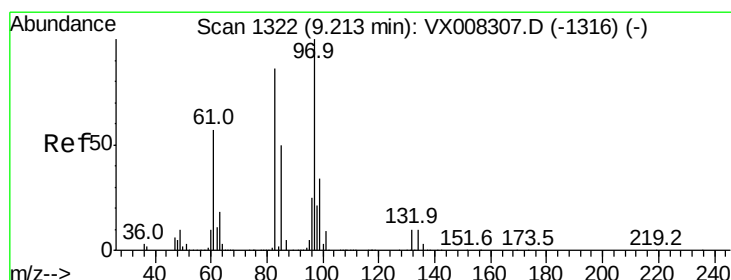
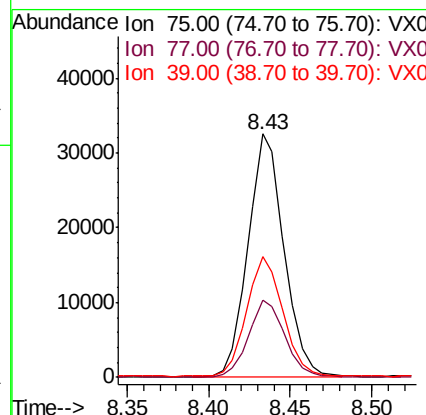
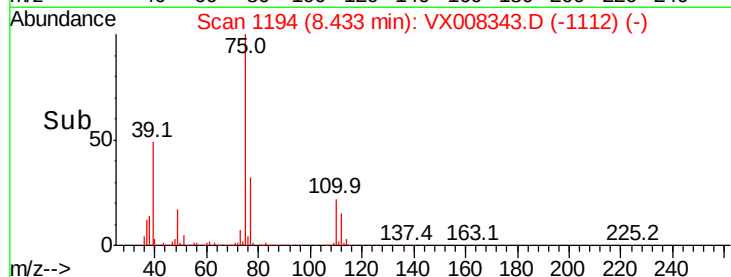
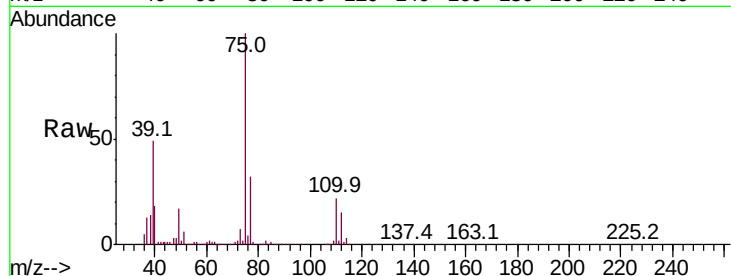
cis-1,3-Dichloropropene
 Concen: 17.919 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.4
39	49.0	38.5	57.7

Manual Integrations
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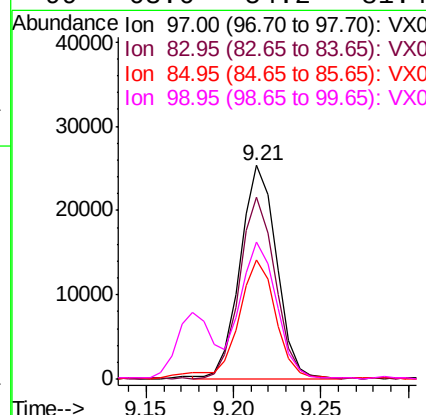
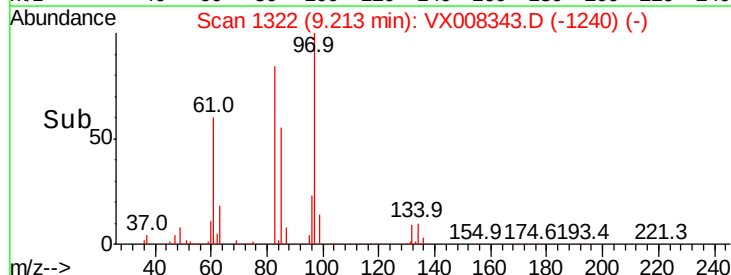
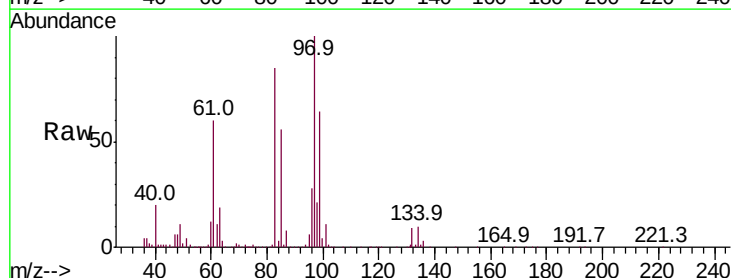
MMDadoda
 3/23/2019 9:33:23 AM

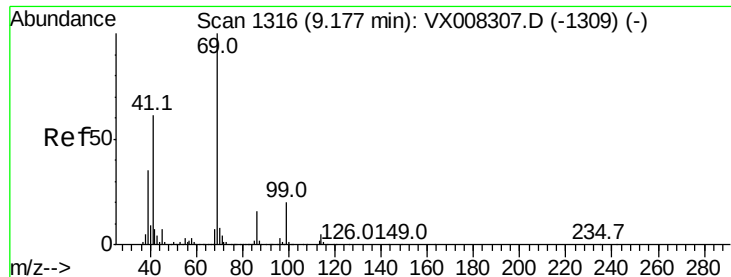


#50

1,1,2-Trichloroethane
 Concen: 19.531 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.1	72.0	108.0
85	55.7	45.0	67.6
99	63.6	54.2	81.4





#51

Ethyl methacrylate

Concen: 19.498 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

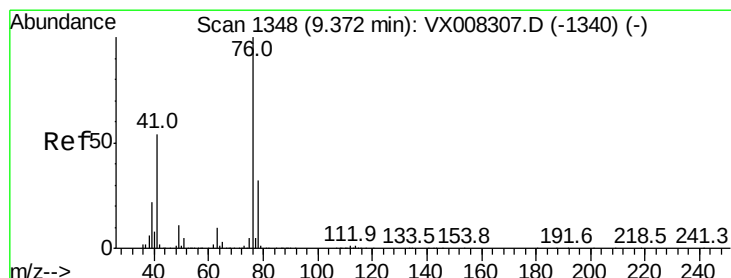
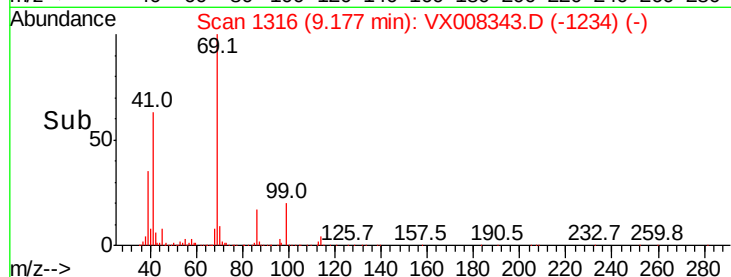
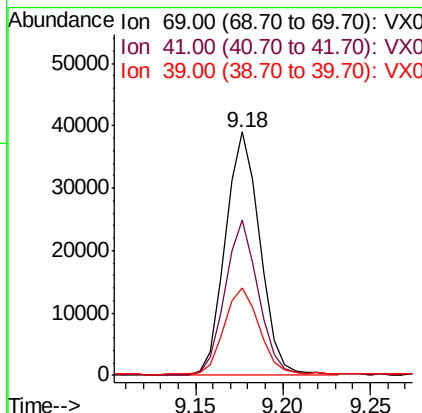
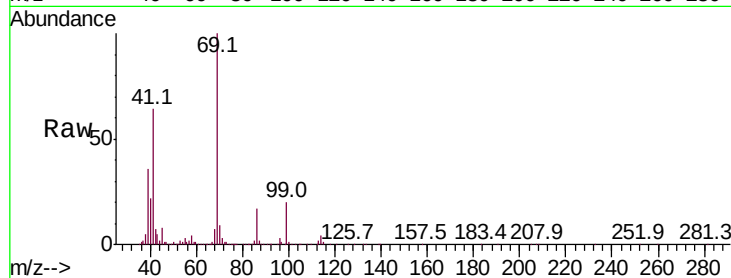
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	53734
Ion Ratio	Lower	Upper	
69	100		
41	63.4	32.1	96.5
39	35.6	18.8	56.3

Manual Integrations
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MMDadoda
3/23/2019 9:33:23 AM



#52

1,3-Dichloropropane

Concen: 19.443 ug/l

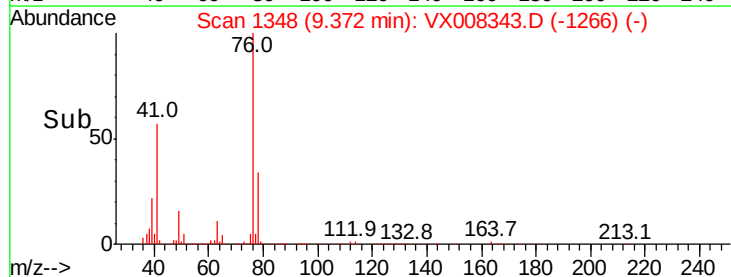
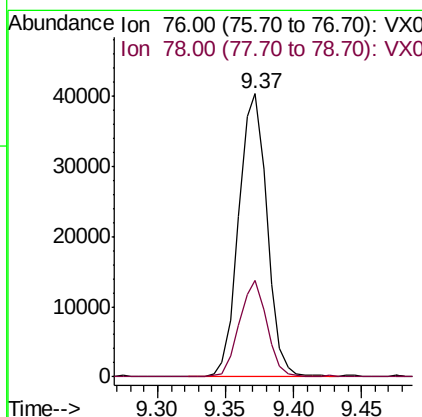
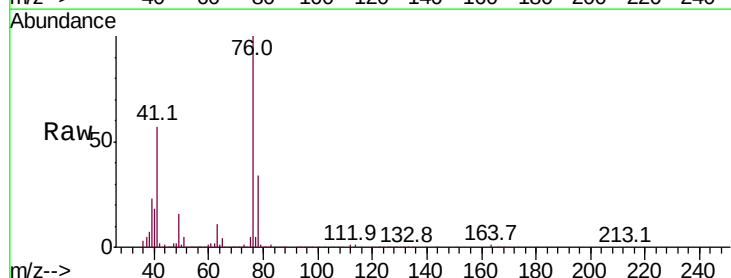
RT: 9.37 min Scan# 1348

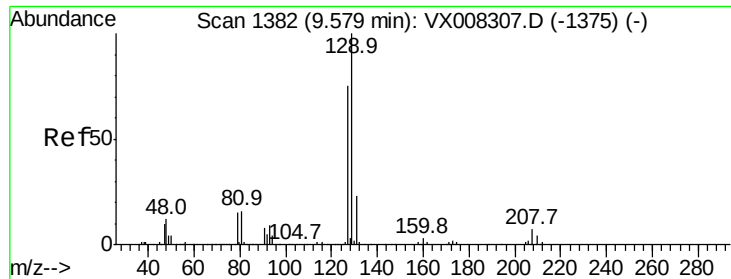
Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Tgt Ion:	76	Resp:	58863
Ion Ratio	Lower	Upper	
76	100		
78	33.0	0.0	65.2





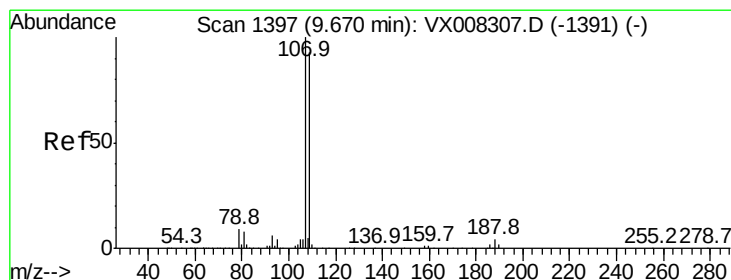
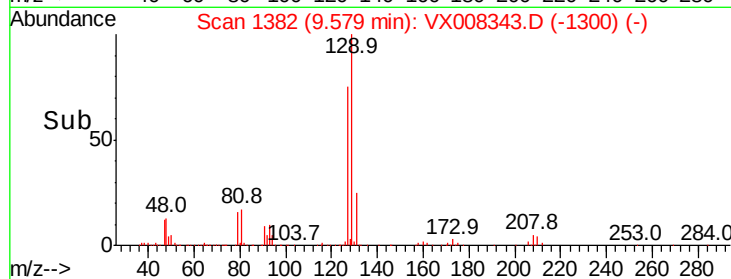
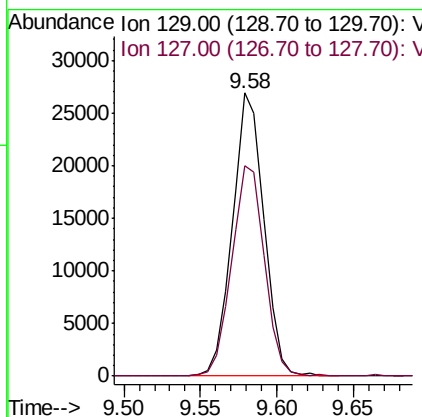
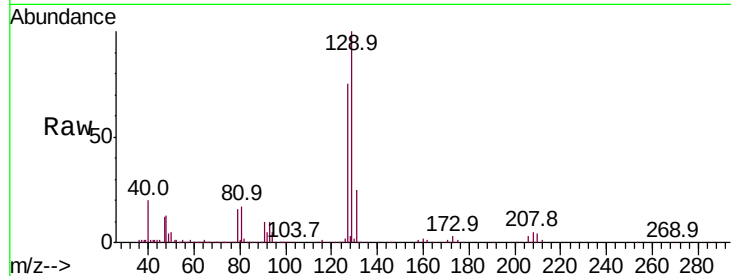
#53
Dibromochloromethane
Concen: 18.049 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:129 Resp: 38407
Ion Ratio Lower Upper
129 100
127 76.9 38.4 115.2

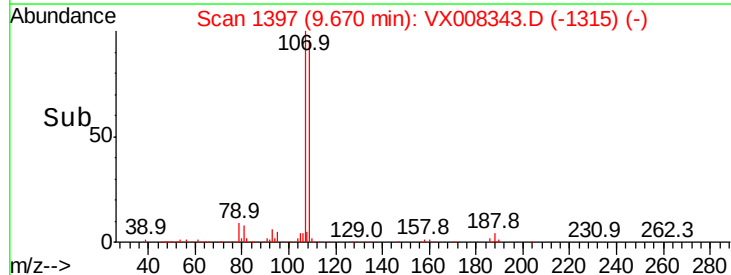
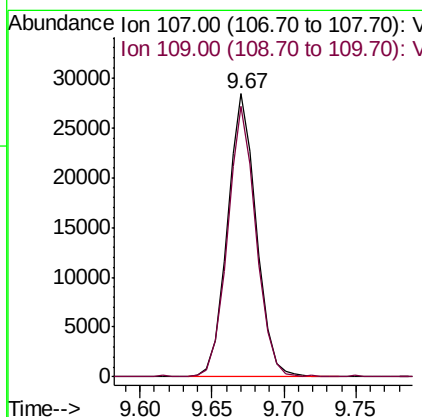
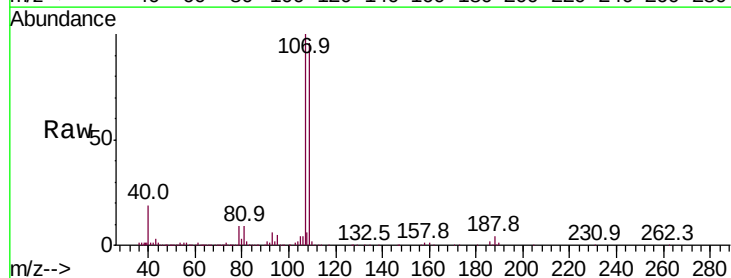
Manual Integrations
APPROVED

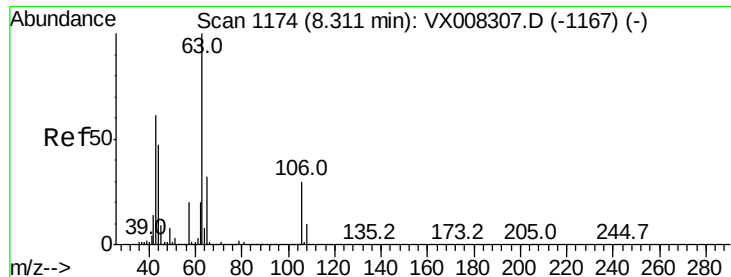
MMDadoda
3/23/2019 9:33:23 AM



#54
1,2-Dibromoethane
Concen: 19.260 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Tgt Ion:107 Resp: 39889
Ion Ratio Lower Upper
107 100
109 94.0 76.6 115.0





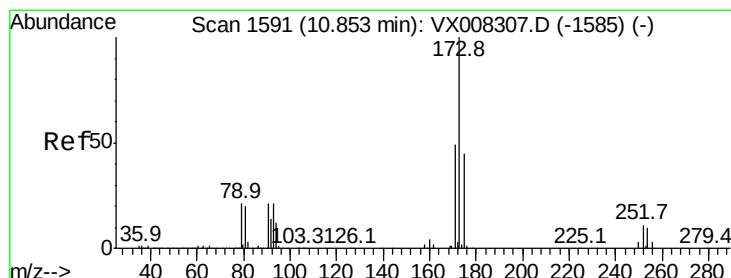
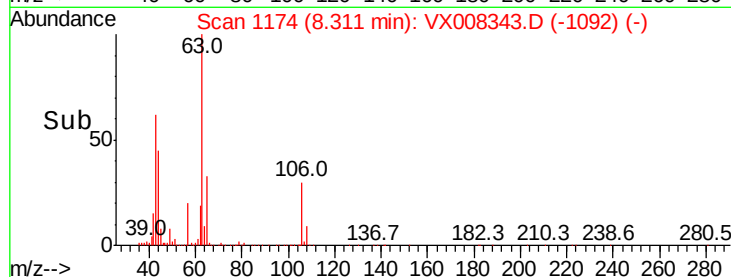
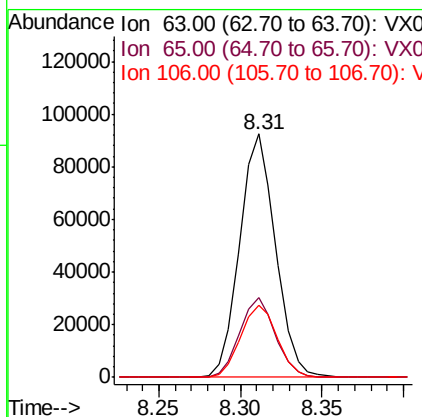
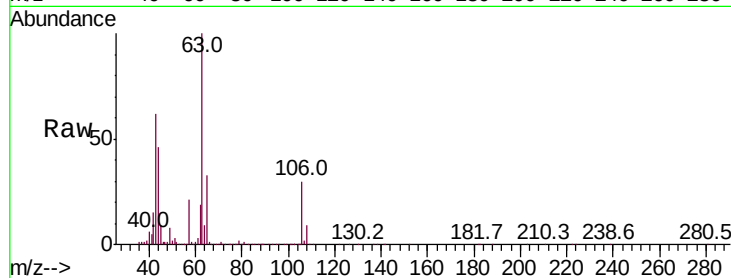
#55
2-Chloroethyl vinyl ether
Concen: 101.598 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.7	38.5
106	30.6	23.7	35.5

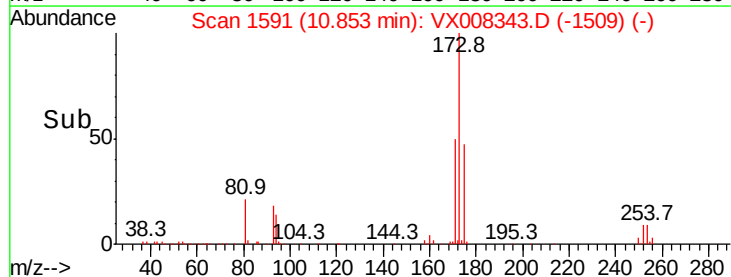
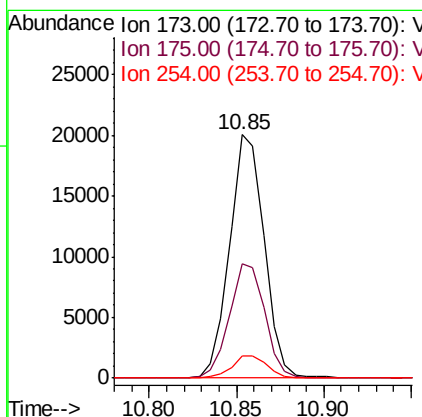
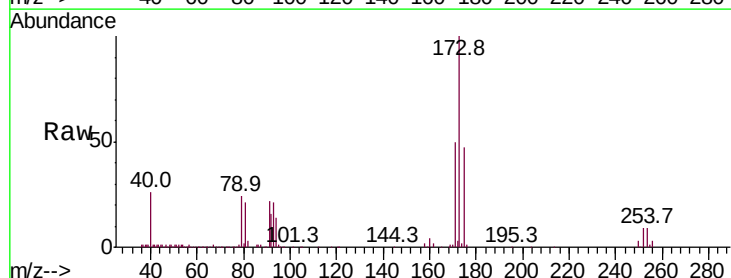
Manual Integrations
APPROVED

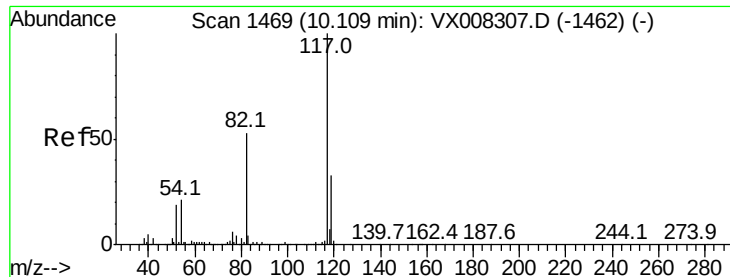
MMDadoda
3/23/2019 9:33:23 AM



#56
Bromoform
Concen: 16.502 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.8	38.5	57.7
254	9.4	7.4	11.2





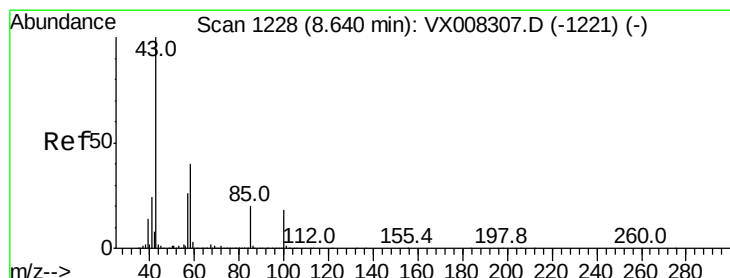
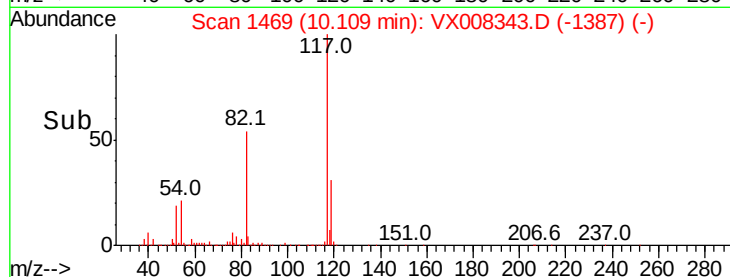
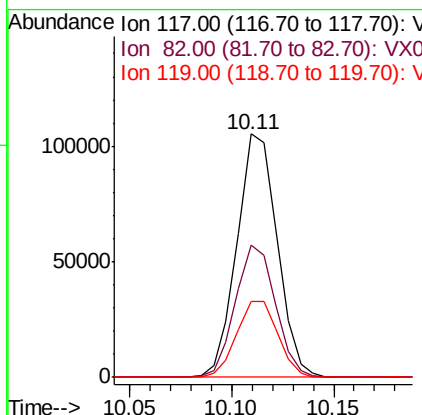
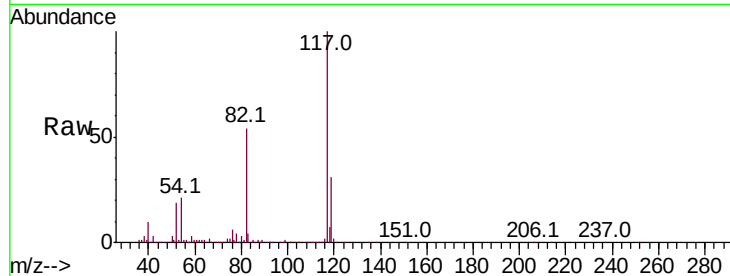
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	54.0	40.4	60.6
119	32.0	25.8	38.6

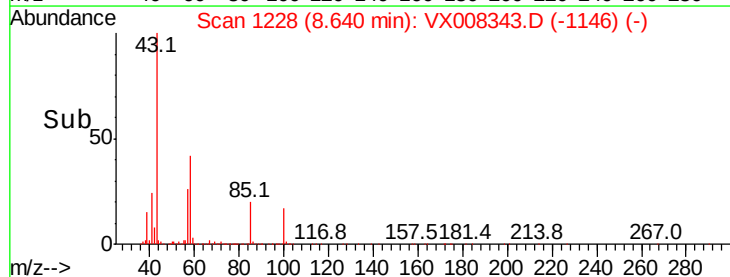
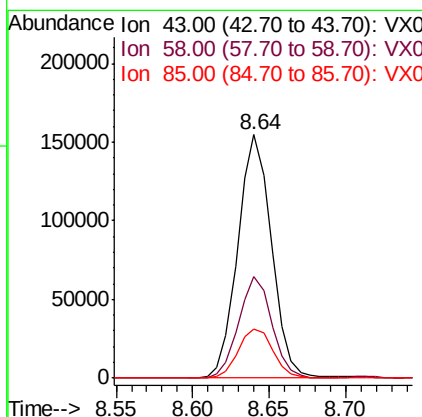
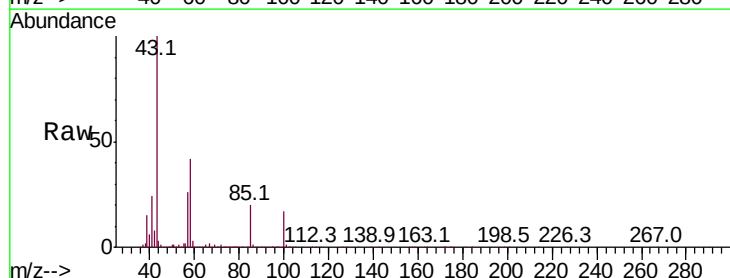
Manual Integrations
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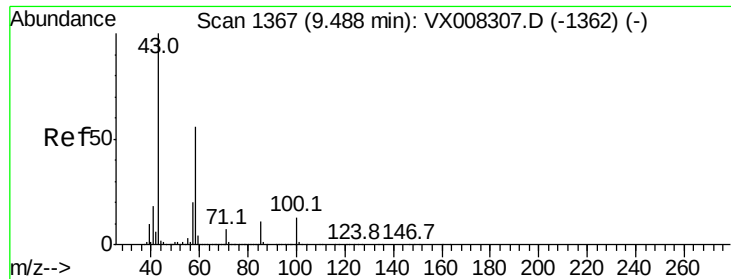
MMDadoda
3/23/2019 9:33:23 AM



#58
4-Methyl-2-Pentanone
Concen: 96.415 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
58	41.0	31.4	47.0
85	21.0	15.0	22.6





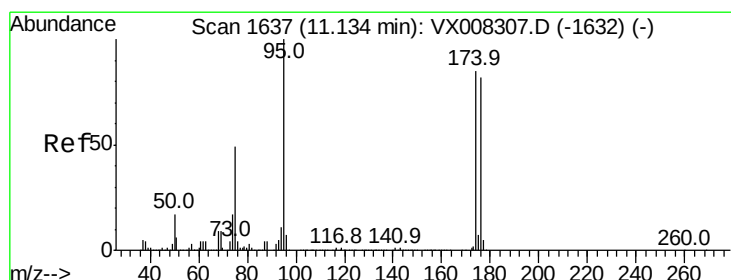
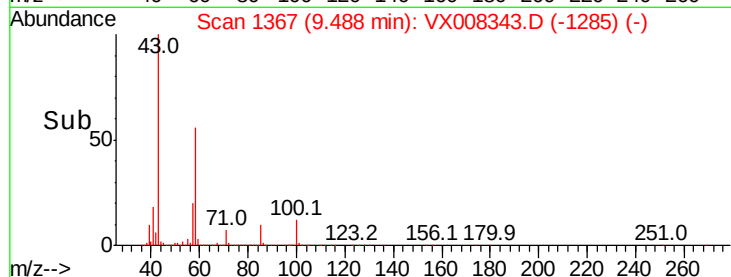
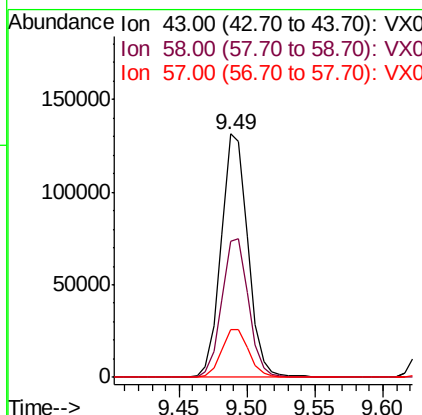
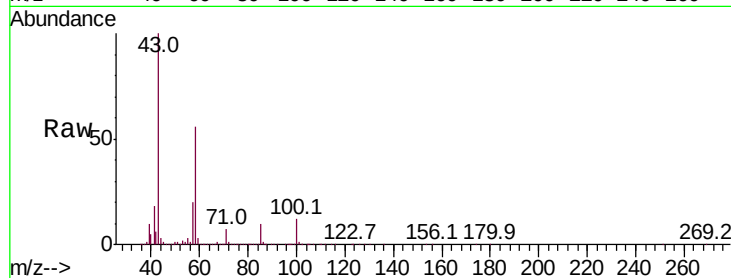
#59
2-Hexanone
Concen: 92.239 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.2	43.9	65.9
57	20.1	14.9	22.3

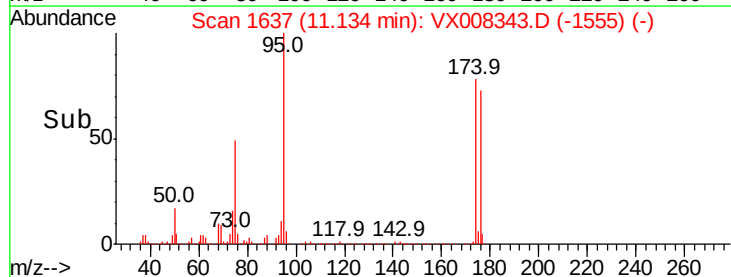
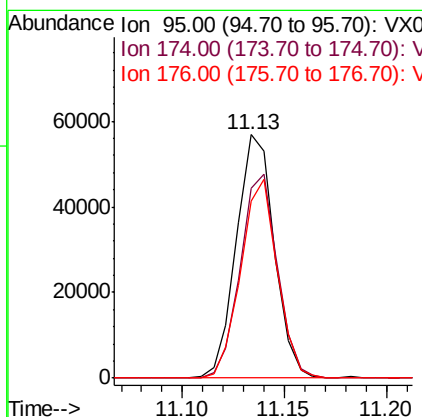
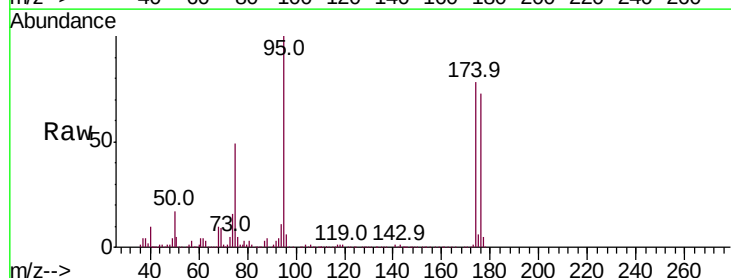
Manual Integrations
APPROVED

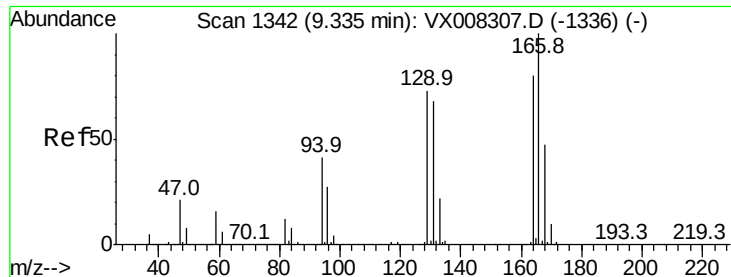
MMDadoda
3/23/2019 9:33:23 AM



#60
4-Bromofluorobenzene
Concen: 31.016 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.8	74.9	112.3
176	79.0	70.7	106.1





#61

Tetrachloroethene

Concen: 17.048 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 33324

Ion Ratio Lower Upper

164 100

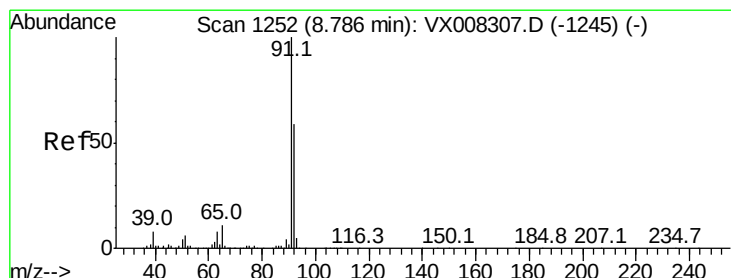
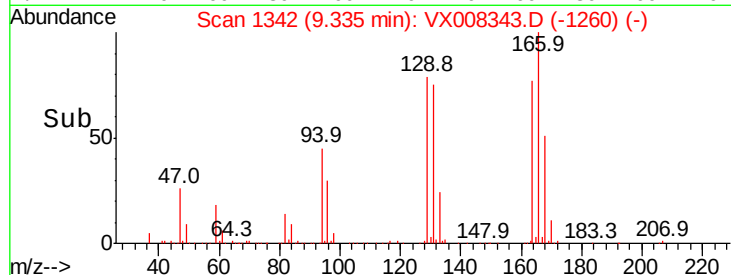
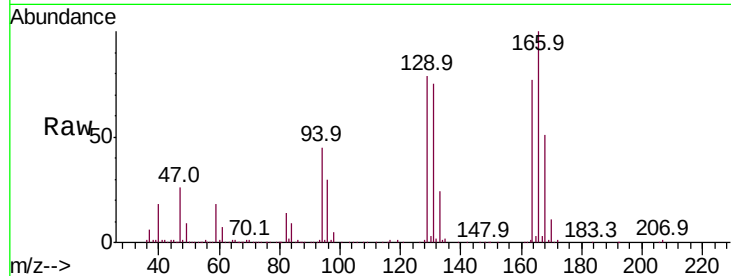
166 129.8 103.9 155.9

129 102.1 74.7 112.1

131 96.9 71.7 107.5

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#62

Toluene

Concen: 19.104 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008343.D

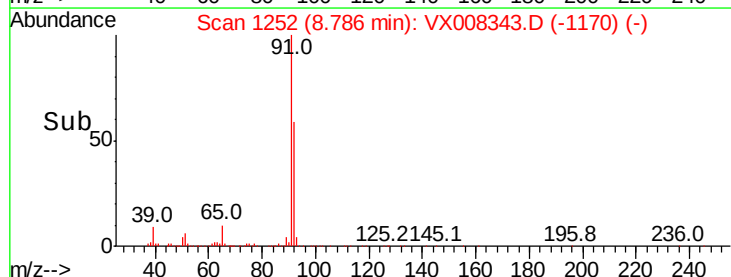
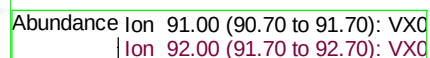
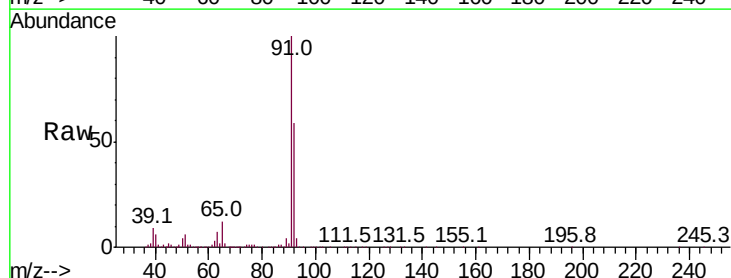
Acq: 22 Mar 2019 17:03

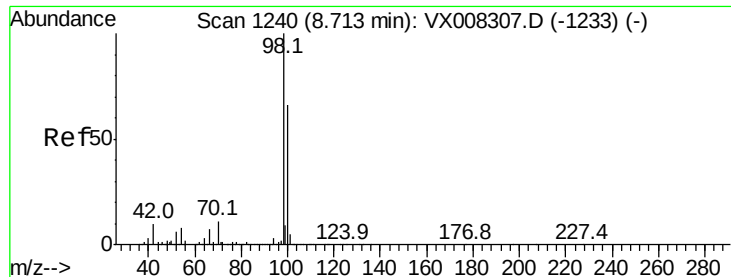
Tgt Ion: 91 Resp: 147256

Ion Ratio Lower Upper

91 100

92 58.6 46.4 69.6





#63

Toluene-d8

Concen: 30.779 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 201375

Ion Ratio Lower Upper

98 100

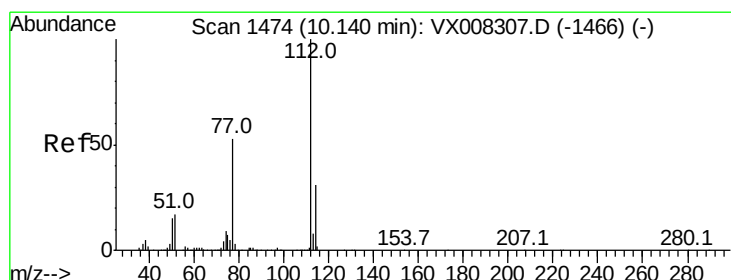
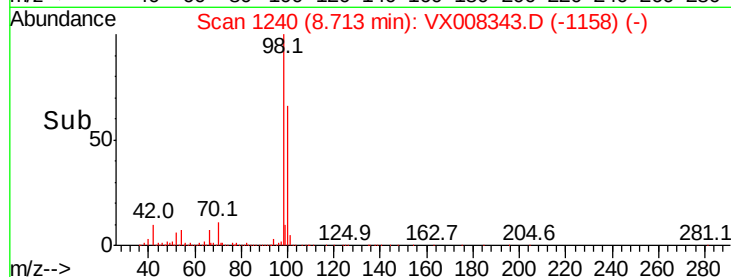
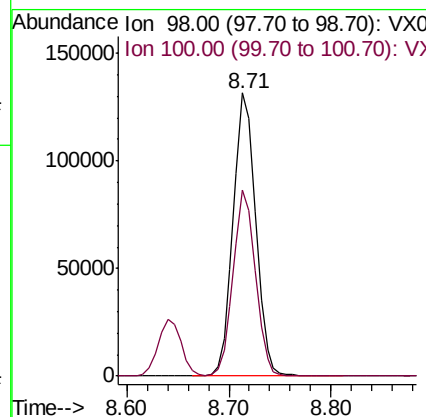
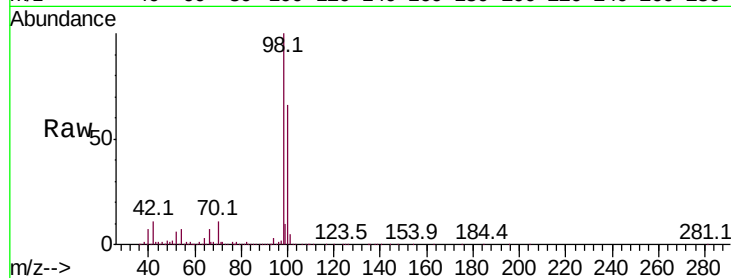
100 64.6 50.9 76.3

Manual Integrations

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#64

Chlorobenzene

Concen: 18.854 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX008343.D

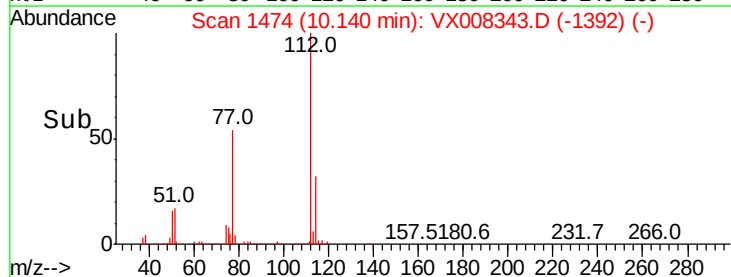
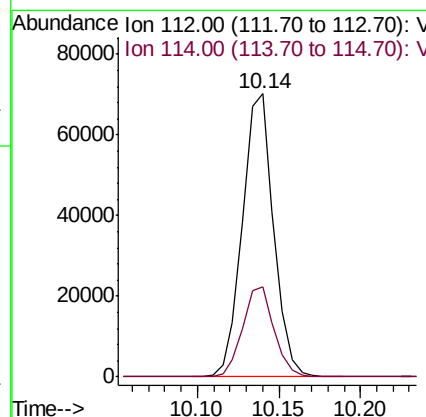
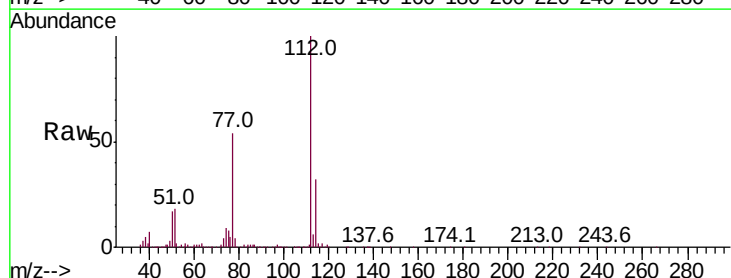
Acq: 22 Mar 2019 17:03

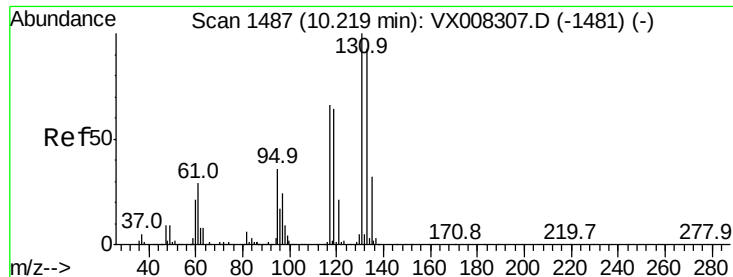
Tgt Ion: 112 Resp: 93692

Ion Ratio Lower Upper

112 100

114 31.6 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 18.233 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:131 Resp: 34605

Ion Ratio Lower Upper

131 100

133 97.0 0.0 191.6

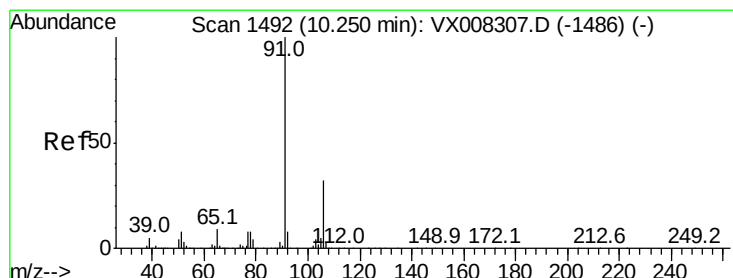
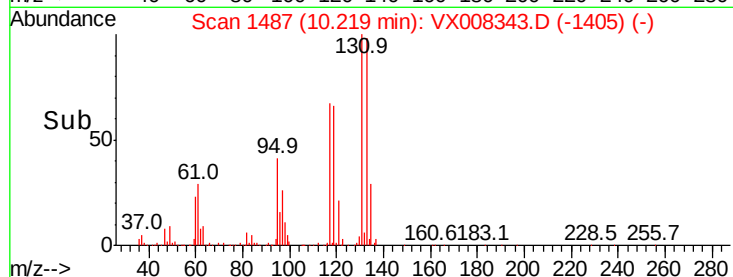
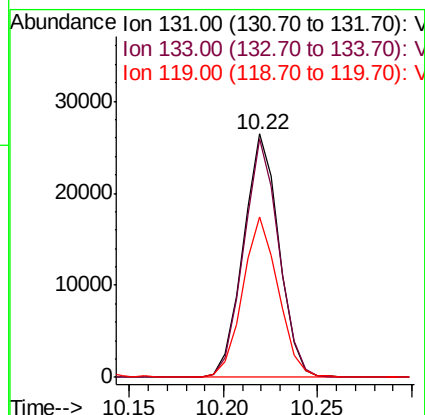
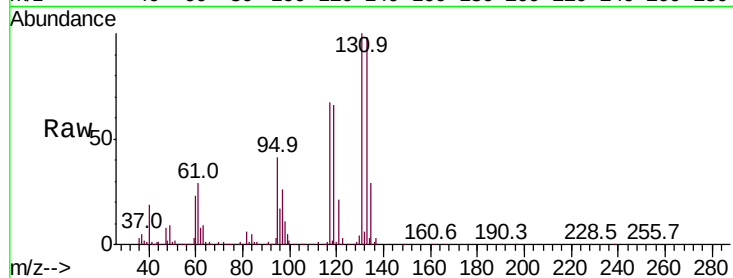
119 66.2 0.0 127.4

Manual Integrations

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#66

Ethyl Benzene

Concen: 18.688 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008343.D

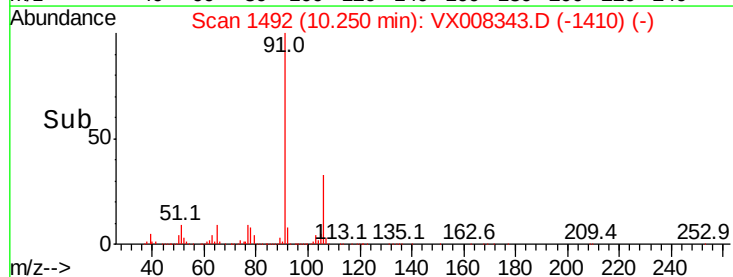
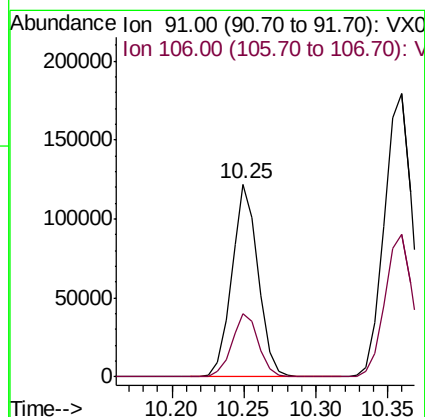
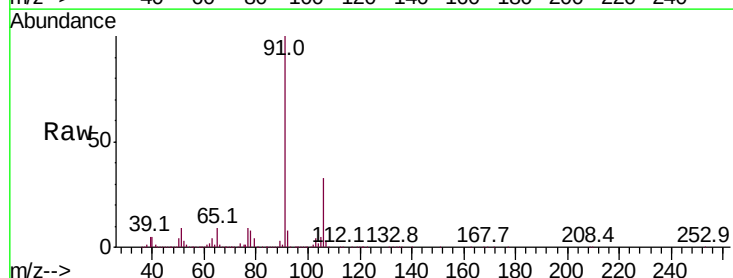
Acq: 22 Mar 2019 17:03

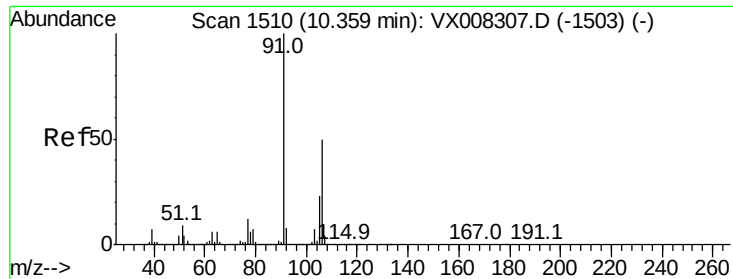
Tgt Ion: 91 Resp: 155787

Ion Ratio Lower Upper

91 100

106 32.7 26.0 39.0





#67

m/p-Xylenes

Concen: 36.387 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 120556

Ion Ratio Lower Upper

106 100

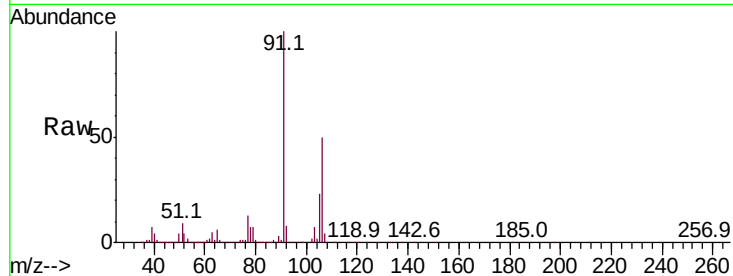
91 199.5 157.0 235.4

Manual Integrations

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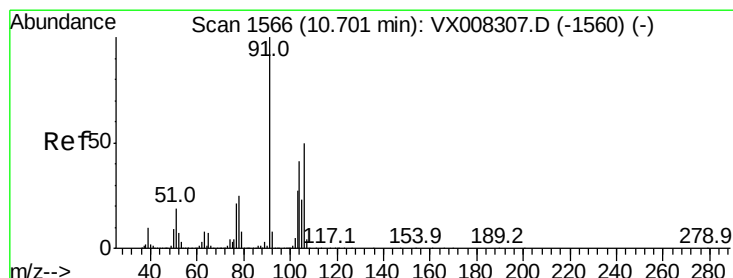
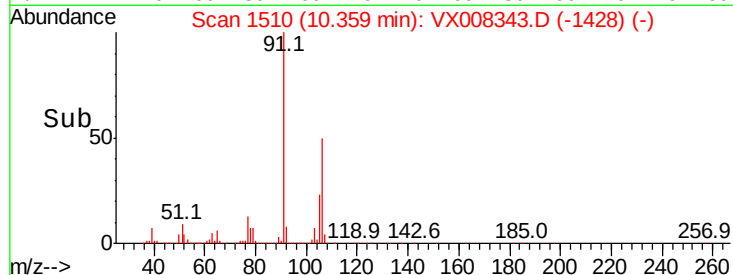
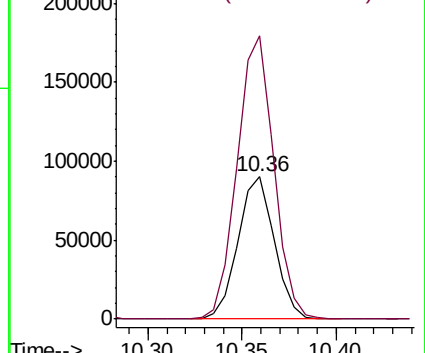
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 18.363 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VX008343.D

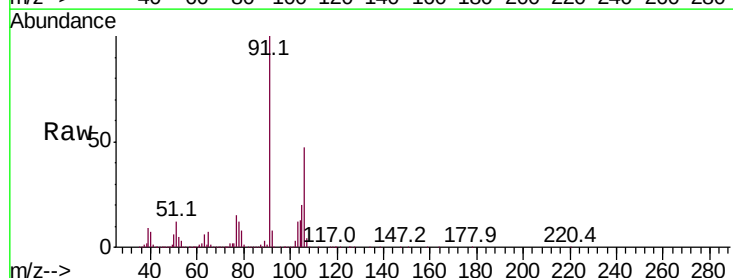
Acq: 22 Mar 2019 17:03

Tgt Ion:106 Resp: 58444

Ion Ratio Lower Upper

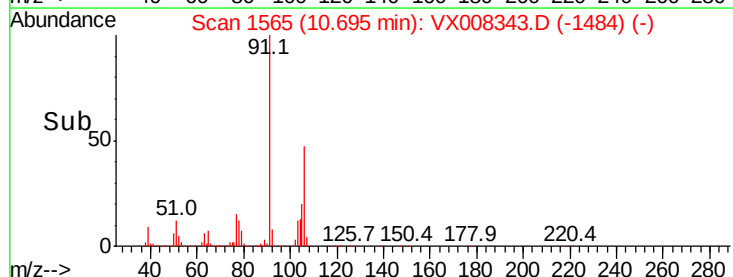
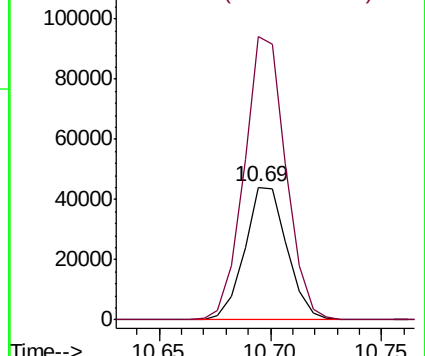
106 100

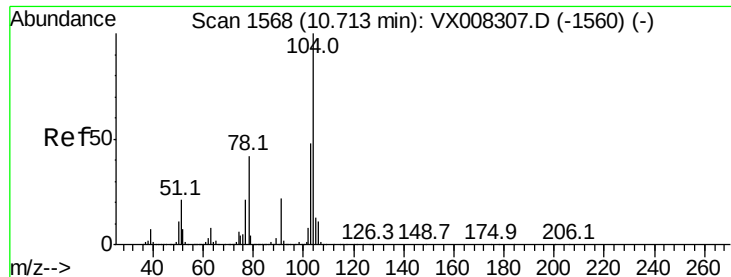
91 210.4 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





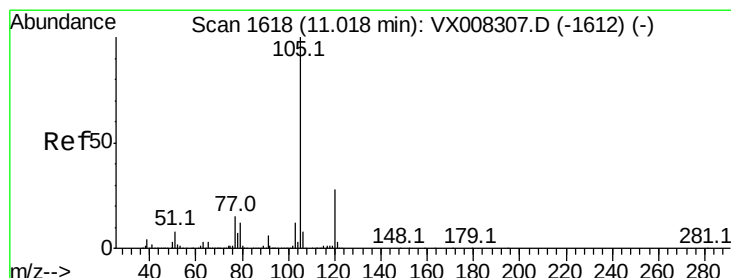
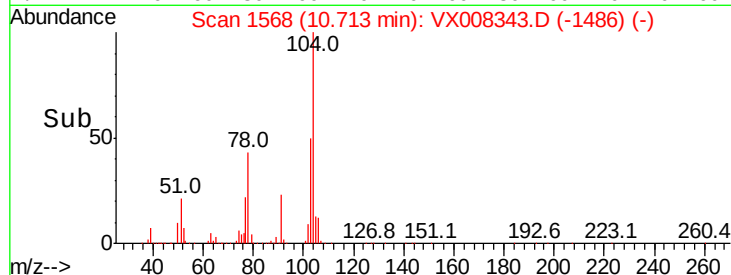
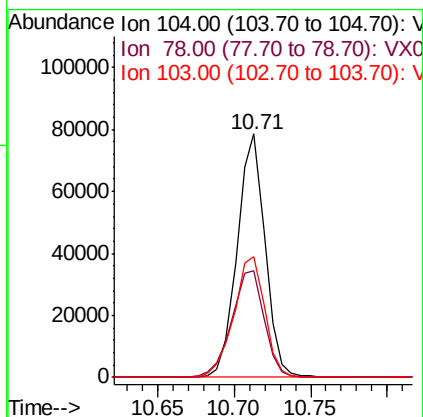
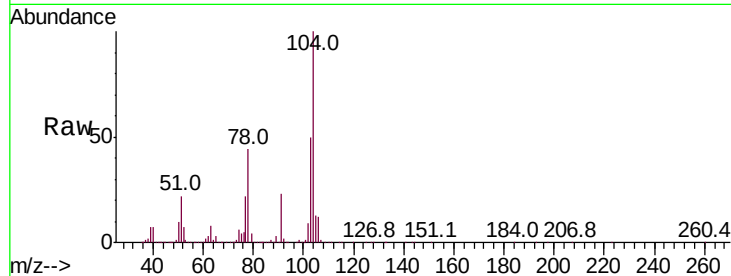
#69
Stvrene
Concen: 18.430 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.6	38.2	57.2
103	55.1	45.0	67.4

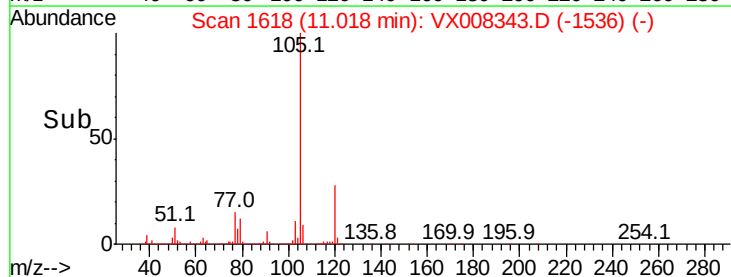
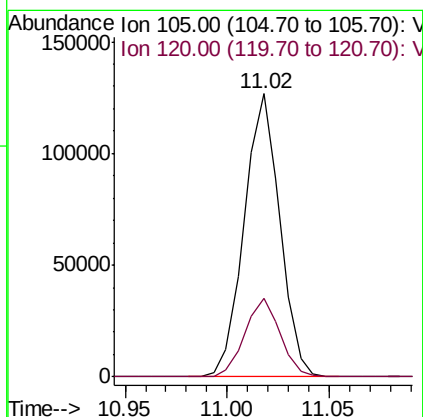
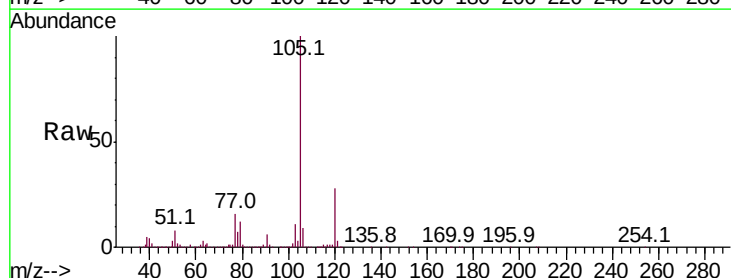
Manual Integrations
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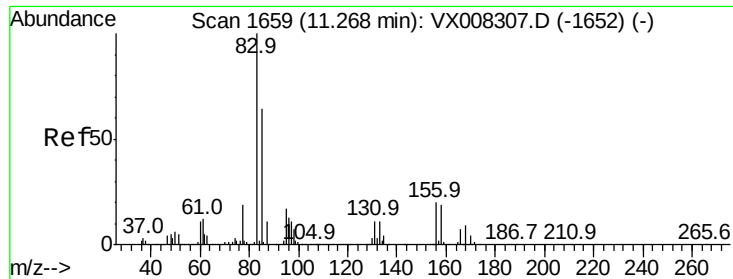
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#70
Isopropylbenzene
Concen: 18.405 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.6	19.8	36.8





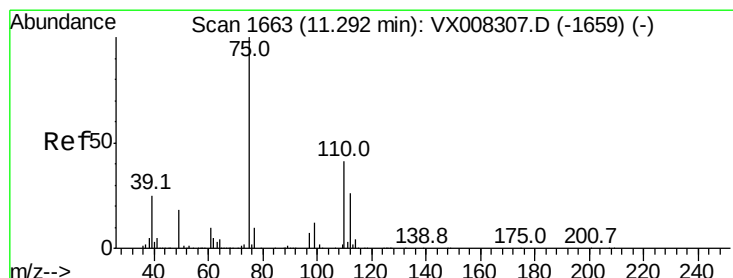
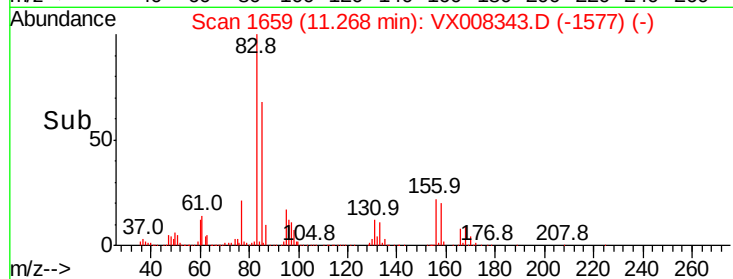
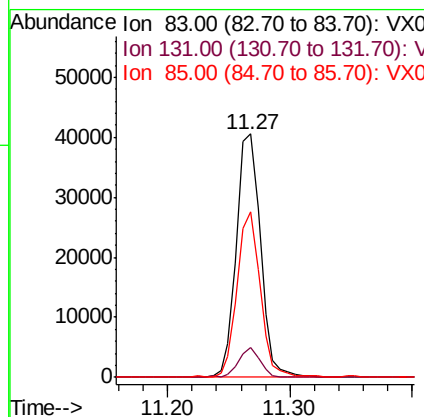
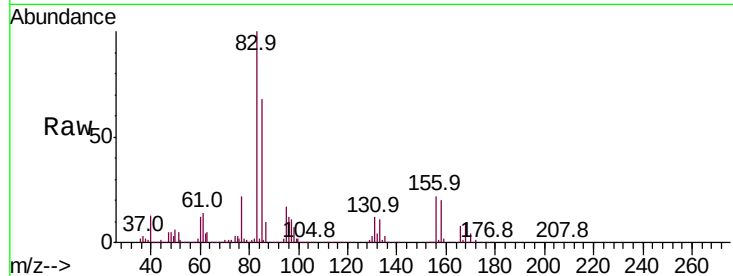
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.398 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.4	16.2
85	65.0	32.8	98.4

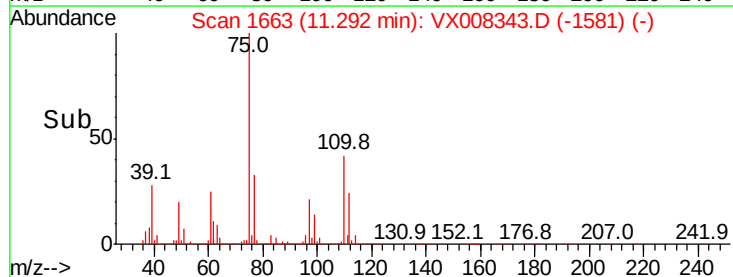
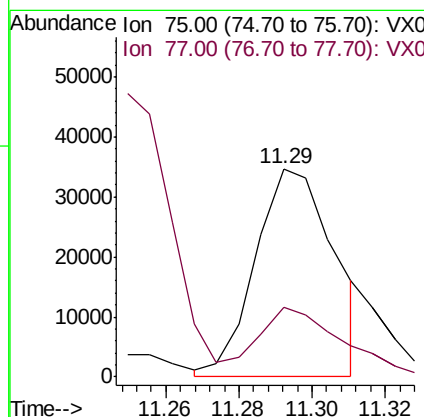
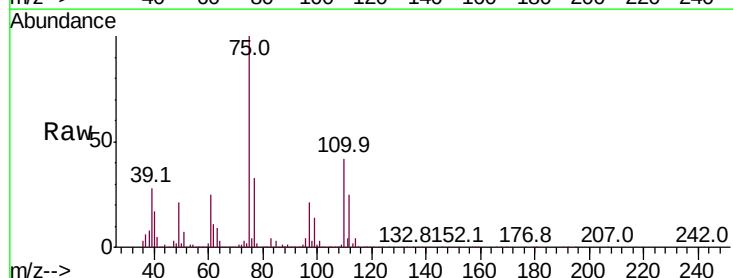
Manual Integrations
 APPROVED

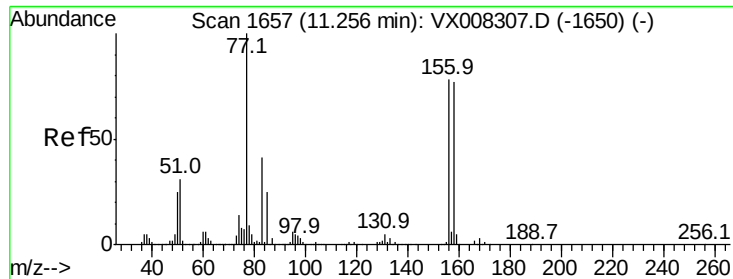
MMDadoda
 3/23/2019 9:33:23 AM



#72
 1,2,3-Trichloropropane
 Concen: 22.531 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	36.4	0.0	76.4





#73

Bromobenzene

Concen: 17.530 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

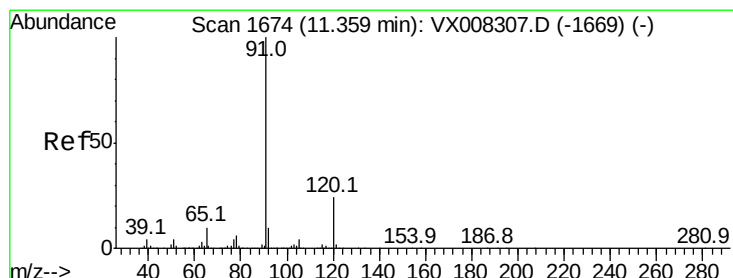
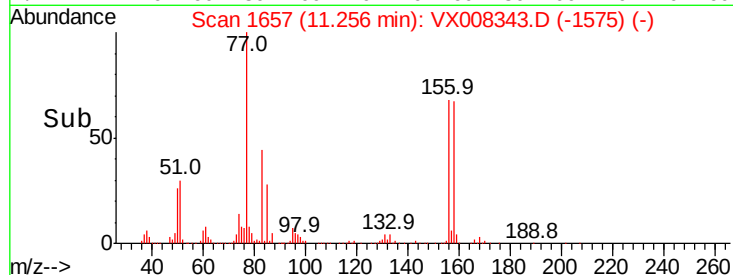
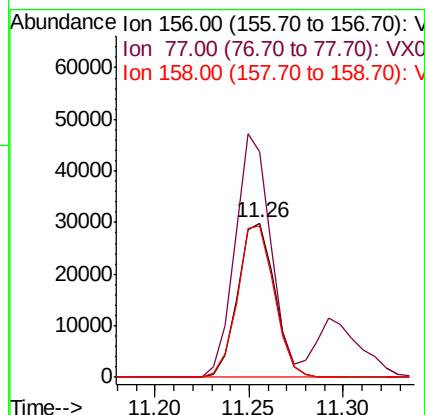
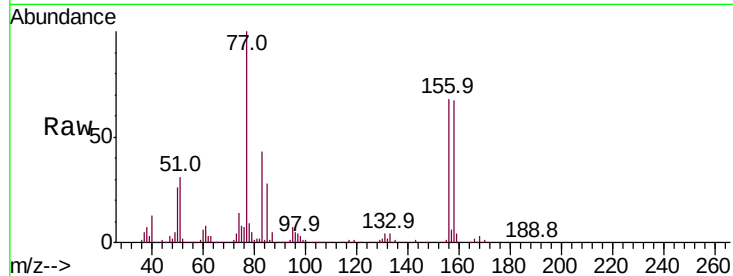
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	40615
Ion	Ratio	Lower	Upper
156	100		
77	151.2	0.0	271.4
158	98.2	0.0	194.0

Manual Integrations
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#74

n-propylbenzene

Concen: 17.880 ug/l

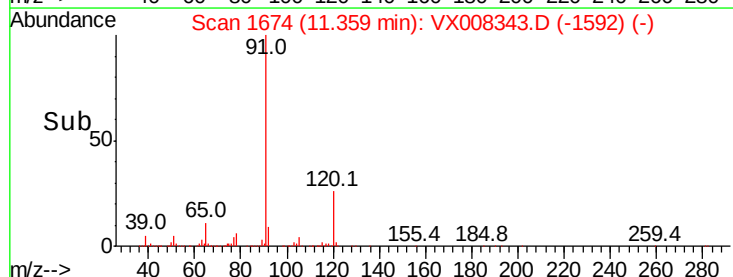
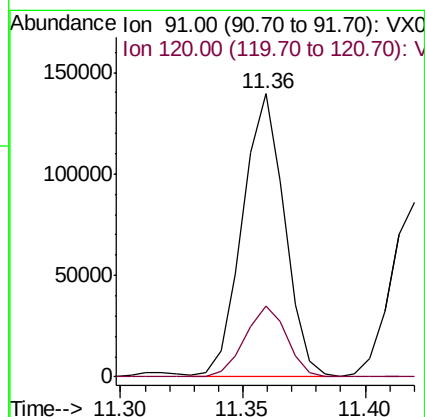
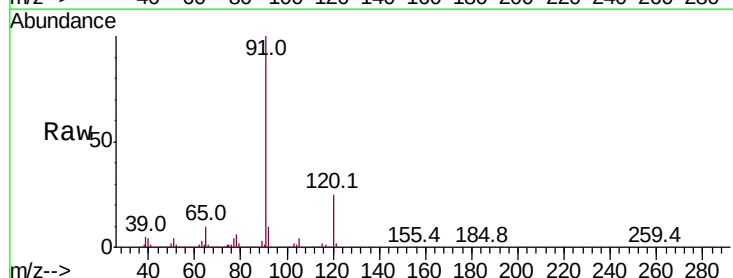
RT: 11.36 min Scan# 1674

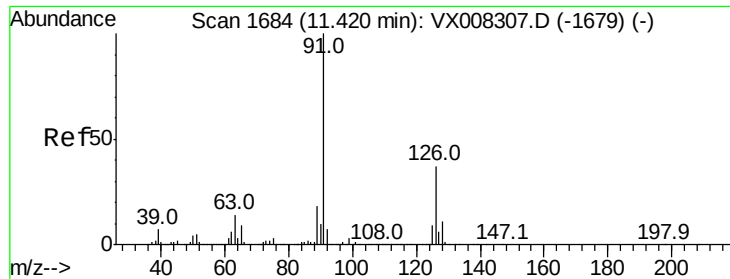
Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Tgt Ion:	91	Resp:	166887
Ion	Ratio	Lower	Upper
91	100		
120	24.7	0.0	48.6





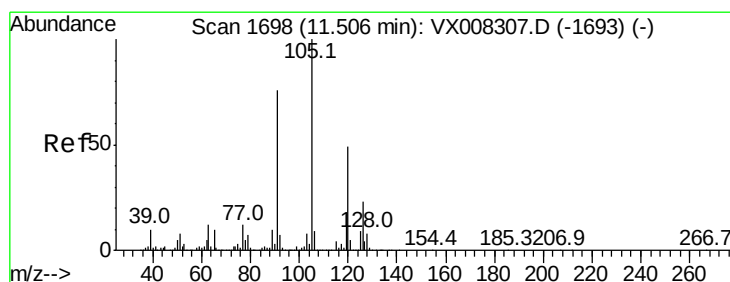
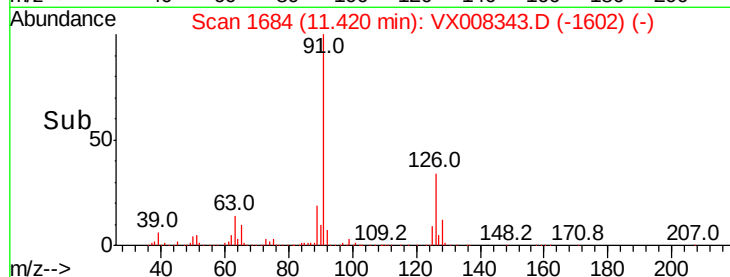
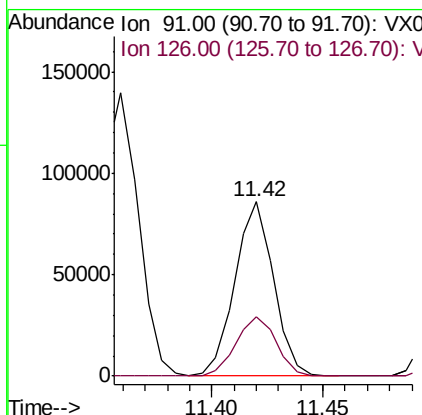
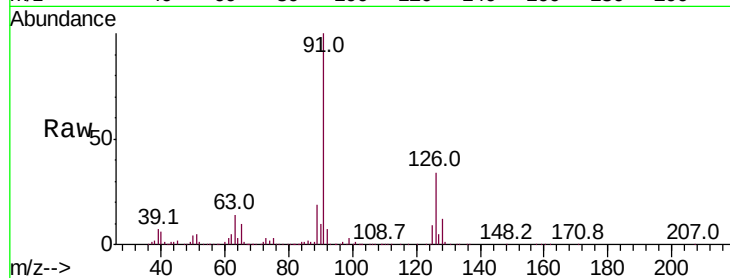
#75
 2-Chlorotoluene
 Concen: 18.666 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 91 Resp: 104047
 Ion Ratio Lower Upper
 91 100
 126 35.5 0.0 75.2

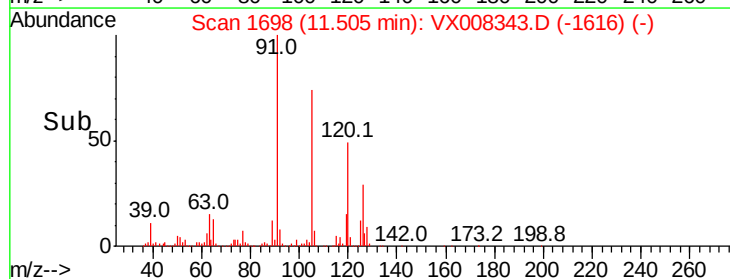
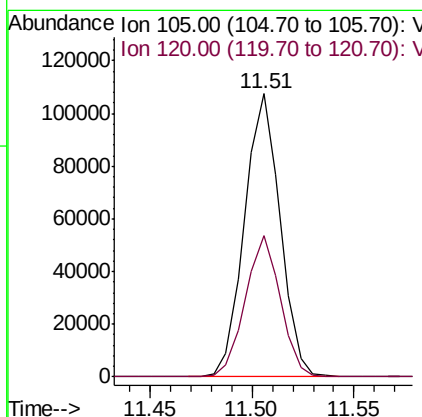
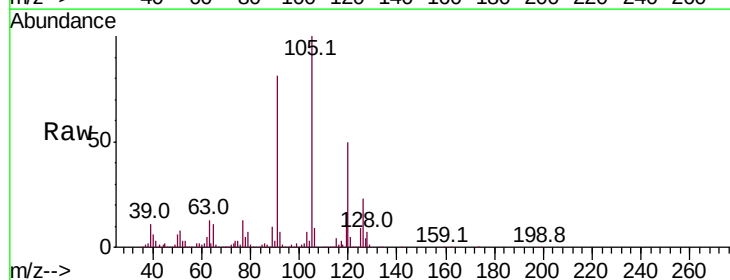
Manual Integrations
 APPROVED

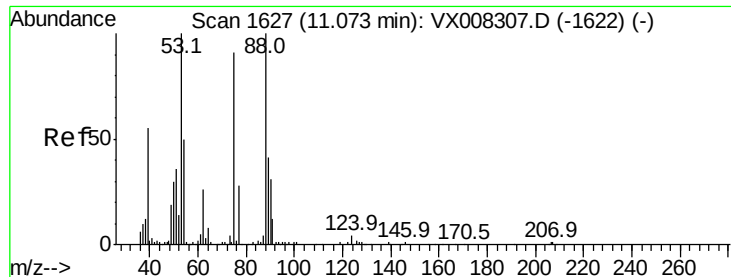
MMDadoda
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#76
 1,3,5-Trimethylbenzene
 Concen: 18.234 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Tgt Ion: 105 Resp: 130439
 Ion Ratio Lower Upper
 105 100
 120 49.1 0.0 101.0





#77

t-1,4-Dichloro-2-butene

Concen: 16.868 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 75 Resp: 13745

Ion Ratio Lower Upper

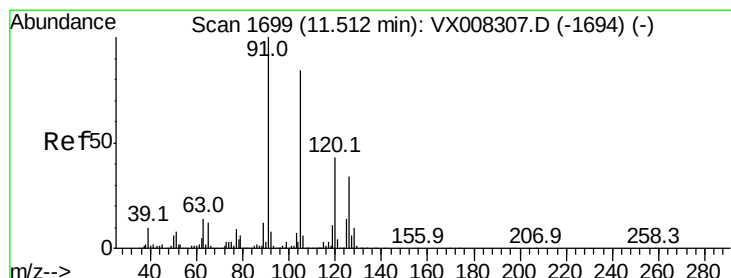
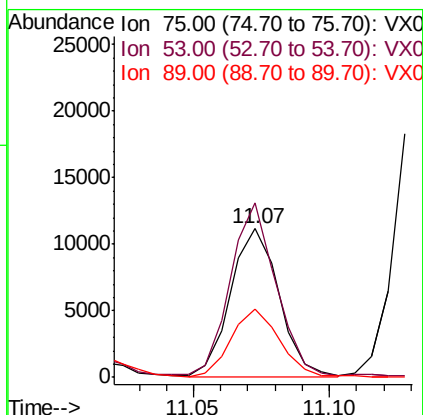
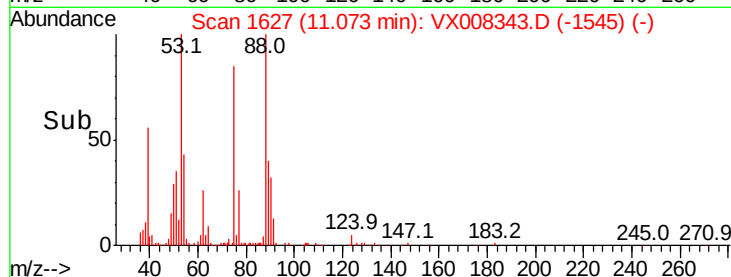
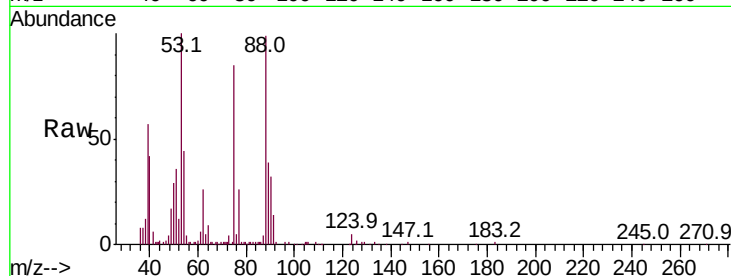
75 100

53 117.7 55.5 166.7

89 46.0 24.4 73.2

Manual Integrations
APPROVED

MMDadoda
3/23/2019 9:33:23 AM



#78

4-Chlorotoluene

Concen: 17.996 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008343.D

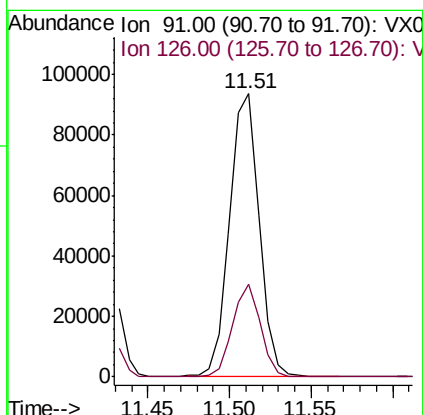
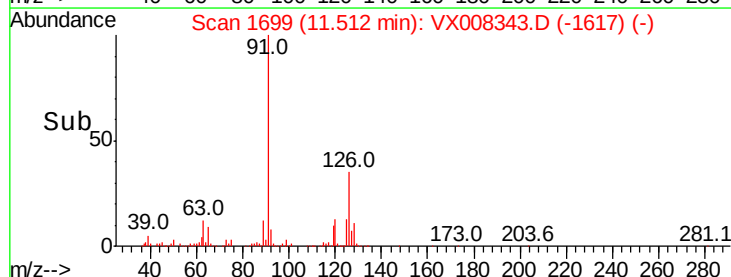
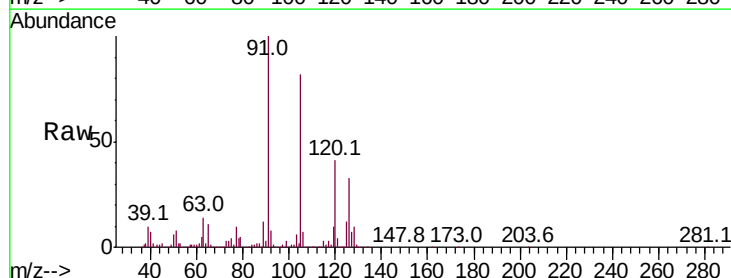
Acq: 22 Mar 2019 17:03

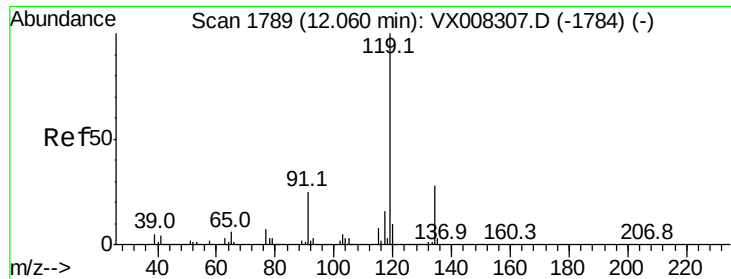
Tgt Ion: 91 Resp: 118059

Ion Ratio Lower Upper

91 100

126 30.3 0.0 66.2





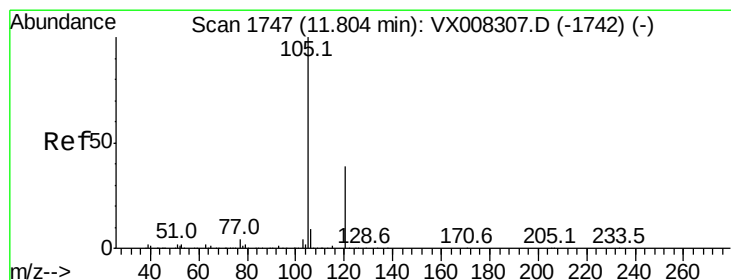
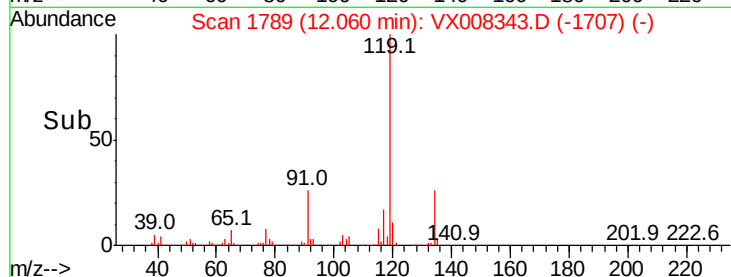
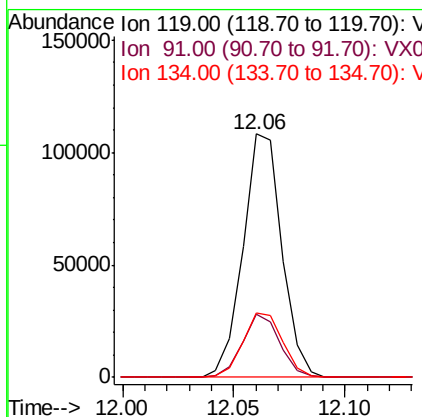
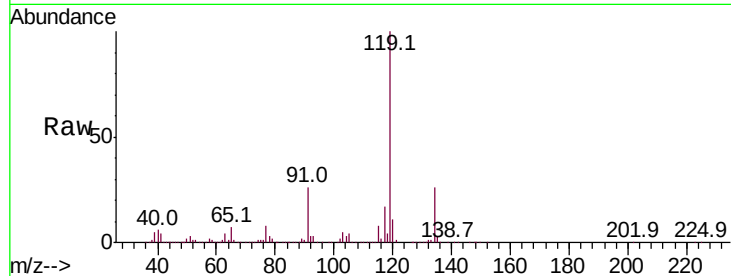
#79
tert-butylbenzene
Concen: 17.458 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	131373		
91	25.2	0.0	45.0	
134	27.2	0.0	55.4	

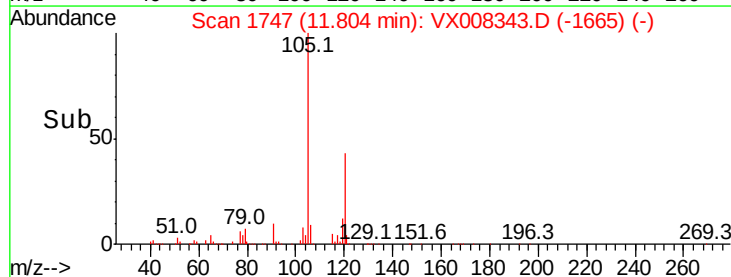
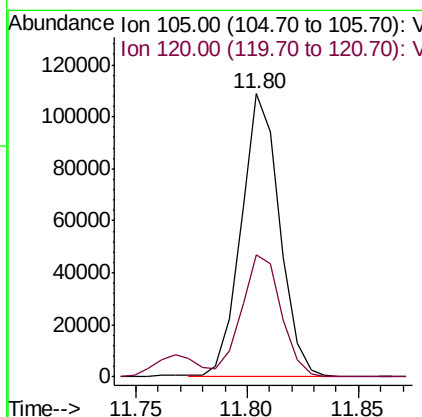
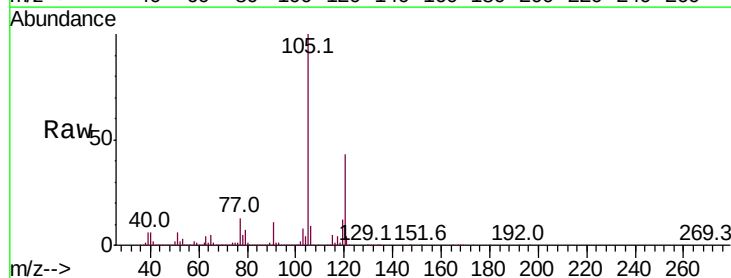
Manual Integrations
APPROVED

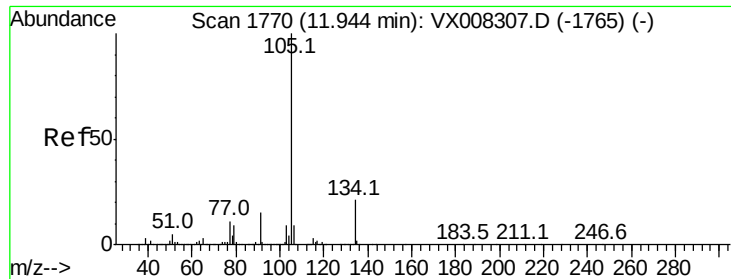
MMDadoda
3/23/2019 9:33:23 AM



#80
1,2,4-Trimethylbenzene
Concen: 18.380 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	130652		
120	44.1	0.0	94.0	





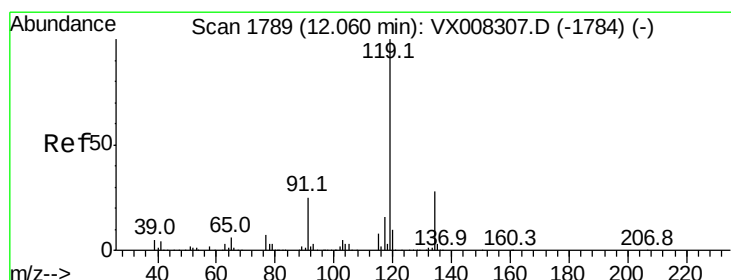
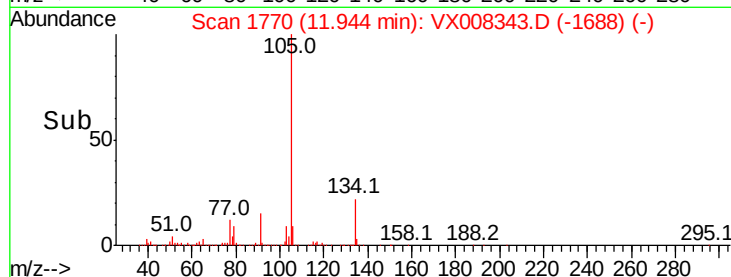
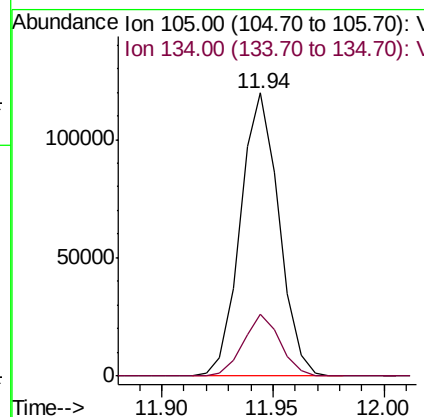
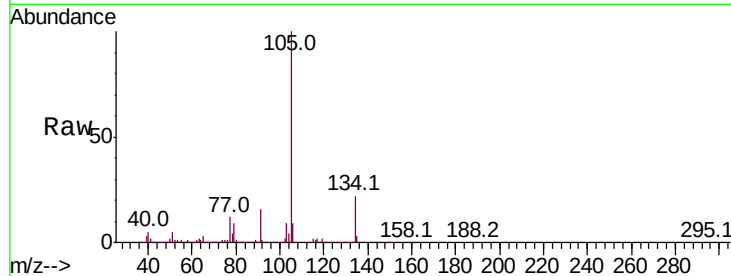
#81
 sec-Butylbenzene
 Concen: 17.615 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	143729		
134	21.2	0.0	41.8	

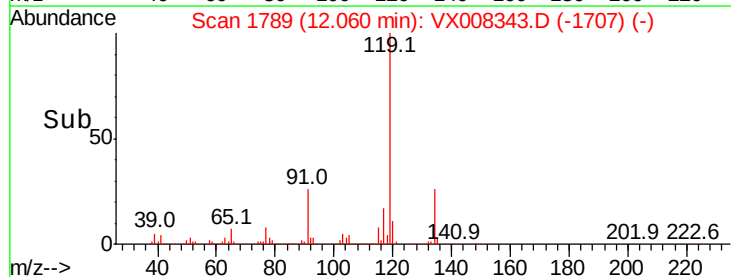
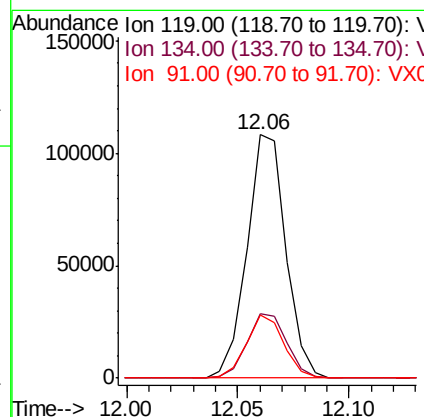
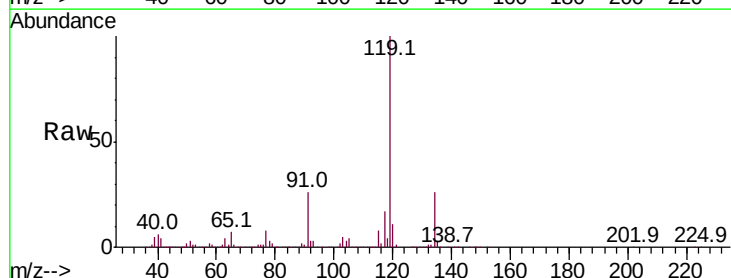
Manual Integrations
 APPROVED

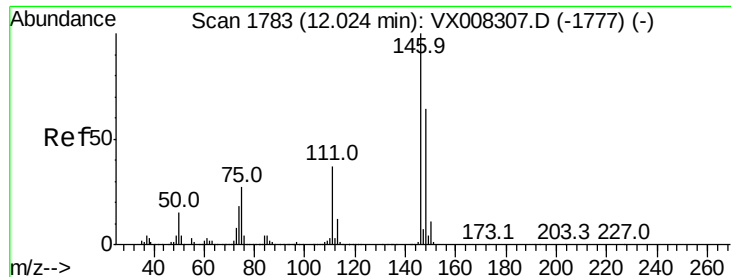
MMDadoda
 3/23/2019 9:33:23 AM



#82
 p-Isopropyltoluene
 Concen: 17.458 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	131373		
134	27.2	0.0	55.4	
91	25.2	0.0	45.0	





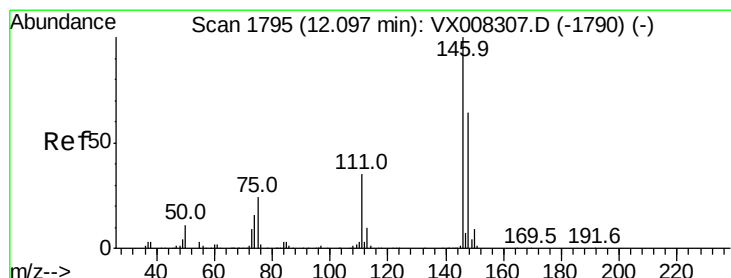
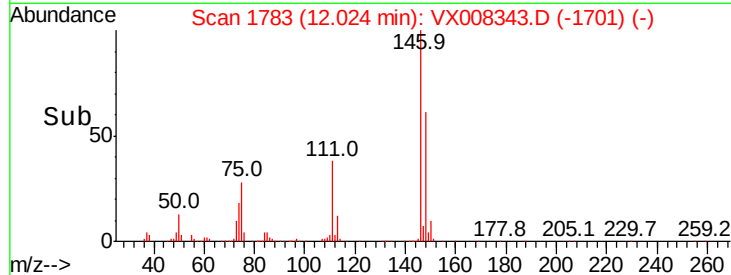
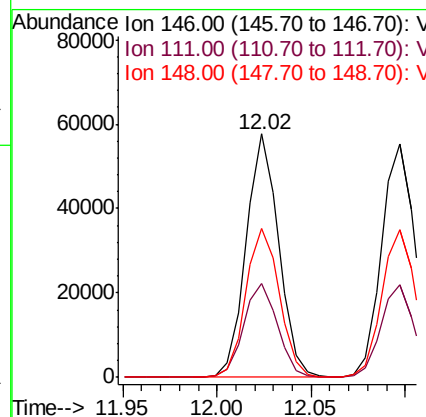
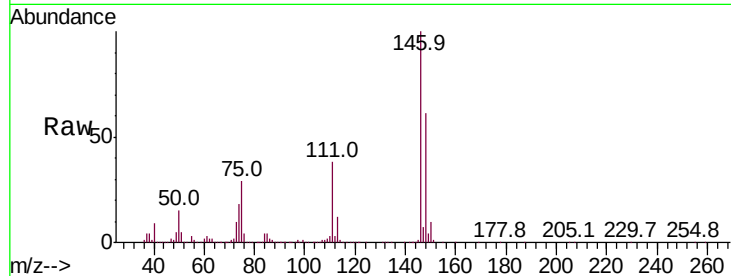
#83
 1,3-Dichlorobenzene
 Concen: 17.194 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	18.8	56.3
148	63.5	30.6	91.8

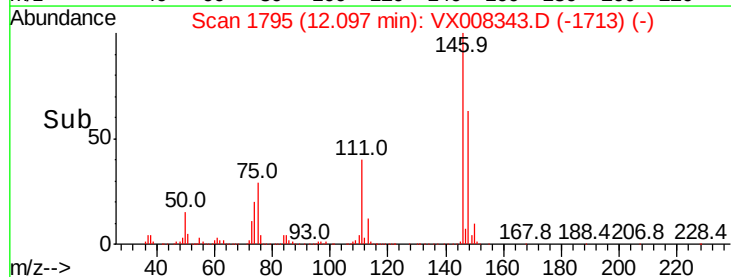
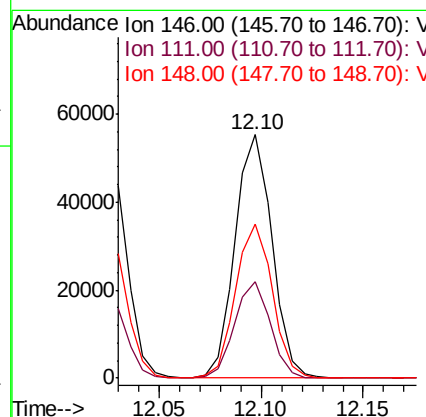
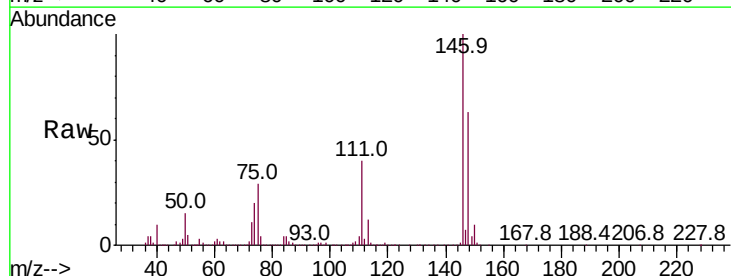
Manual Integrations
 APPROVED

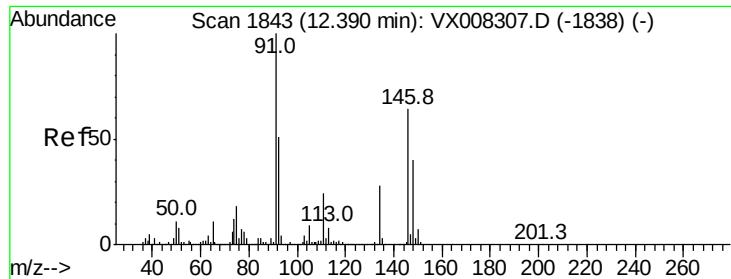
MMDadoda
 3/23/2019 9:33:23 AM



#84
 1,4-Dichlorobenzene
 Concen: 17.205 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	17.6	52.8
148	63.6	31.4	94.2





#85

n-Butylbenzene

Concen: 16.554 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

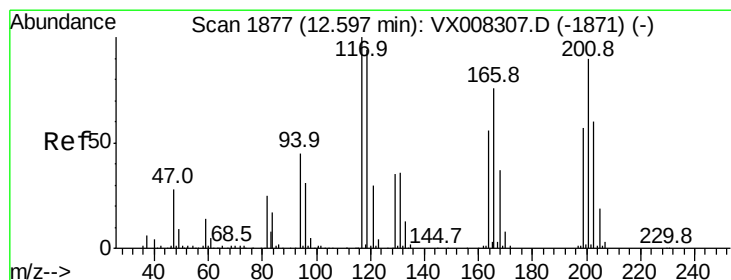
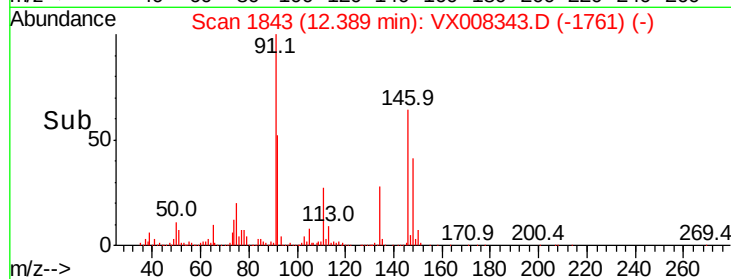
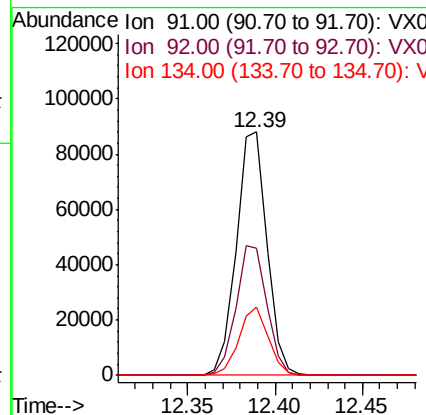
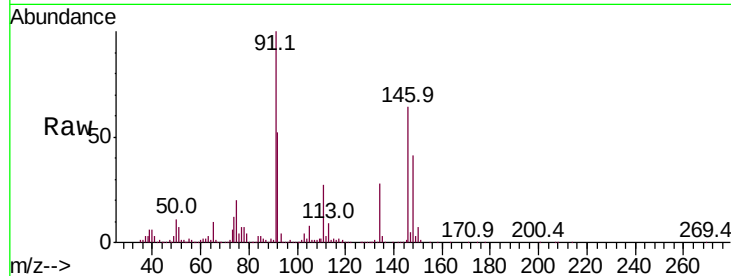
ClientSampleId :

VSTDCCC020EC

Tot Ion:	91	Resp:	107153
Ion Ratio	Lower	Upper	
91	100		
92	53.6	0.0	105.2
134	27.1	0.0	56.4

Manual Integrations
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3/23/2019 9:33:23 AM



#86

Hexachloroethane

Concen: 17.514 ug/l

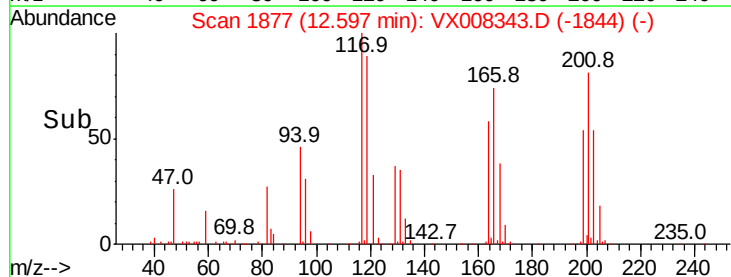
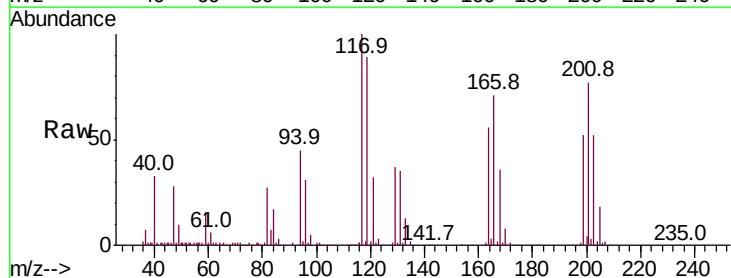
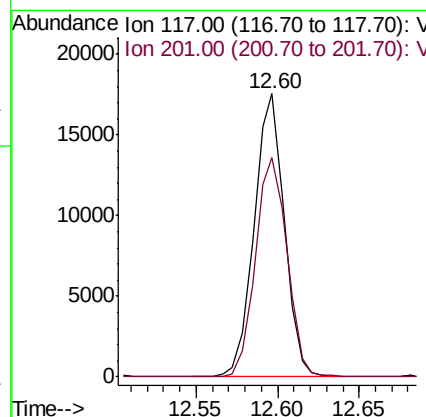
RT: 12.60 min Scan# 1877

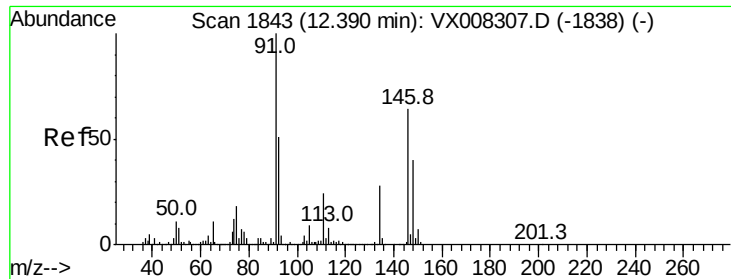
Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Tgt Ion:	117	Resp:	22714
Ion Ratio	Lower	Upper	
117	100		
201	80.4	41.1	123.3





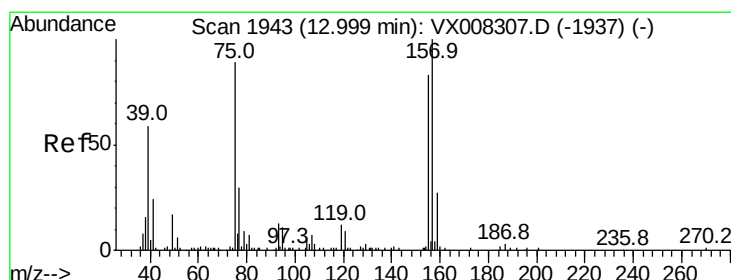
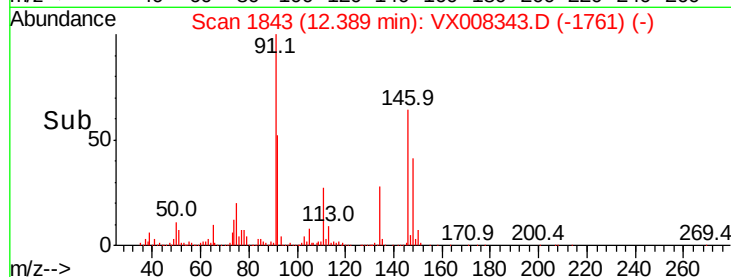
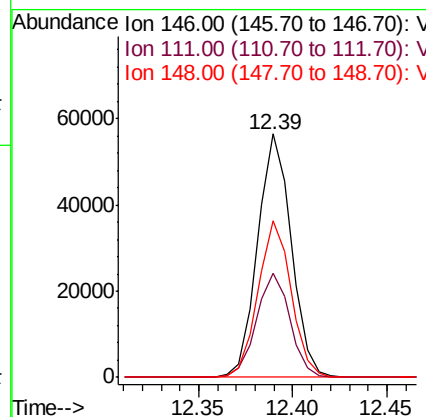
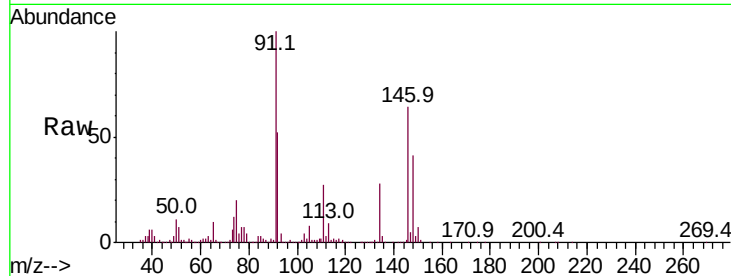
#87
 1,2-Dichlorobenzene
 Concen: 17.626 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	19.3	57.8
148	63.4	32.1	96.3

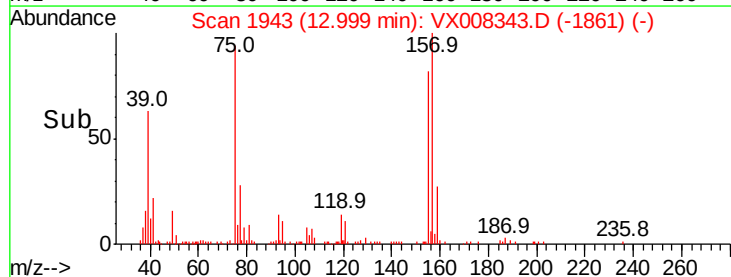
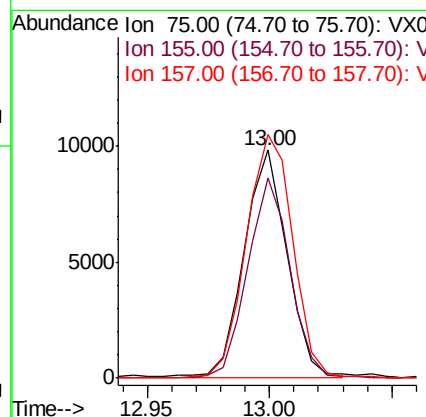
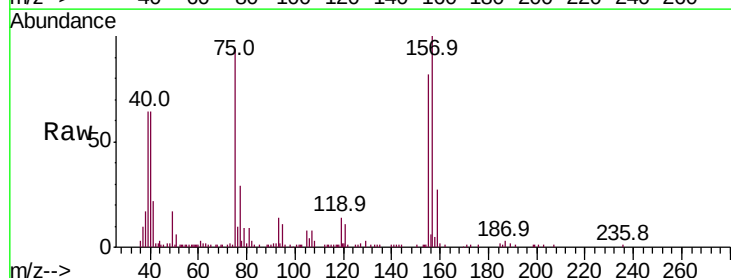
Manual Integrations
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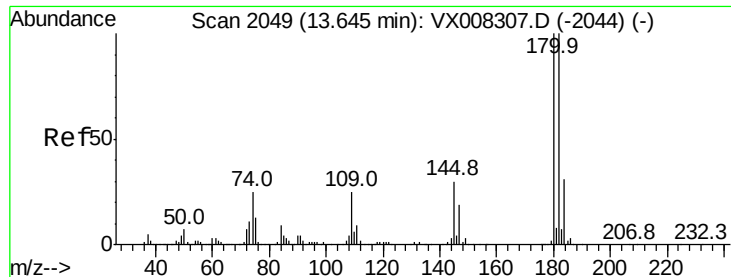
MMDadoda
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.191 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.7	81.0	121.6
157	117.5	103.2	154.8





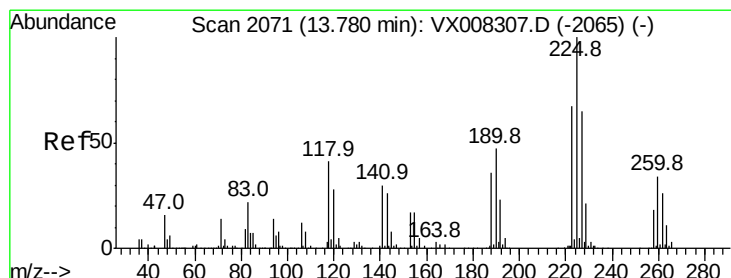
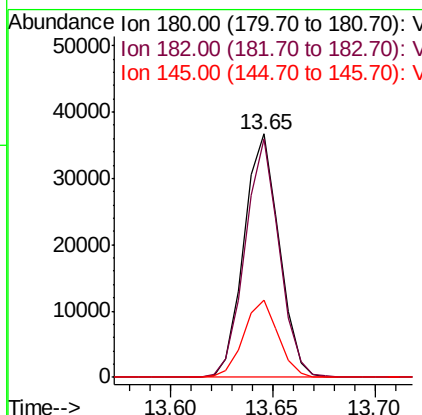
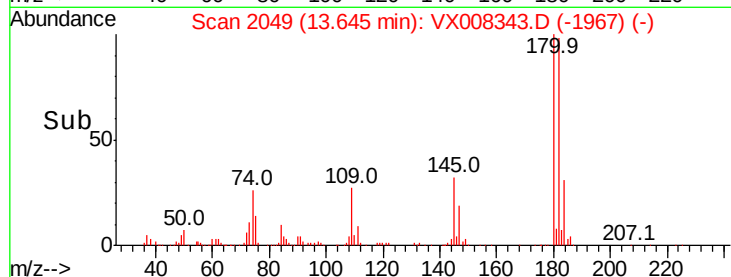
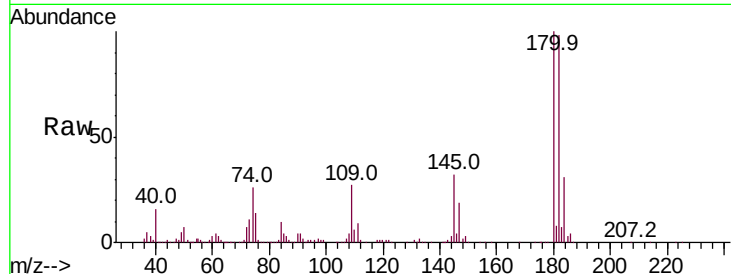
#89
 1,2,4-Trichlorobenzene
 Concen: 15.739 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.6	113.4
145	31.2	23.0	34.6

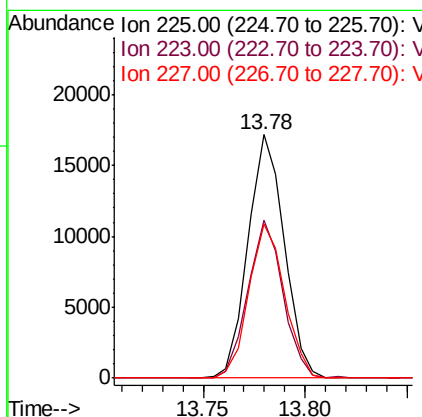
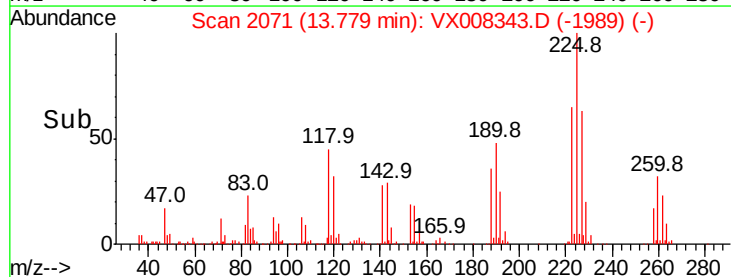
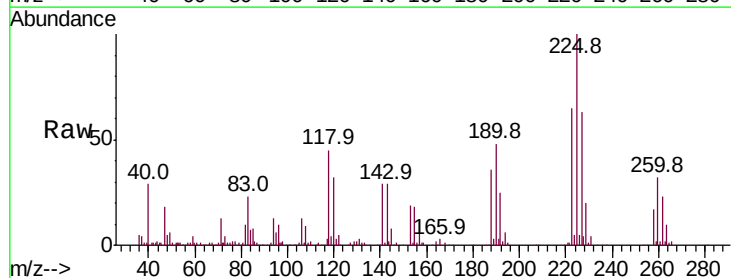
Manual Integrations
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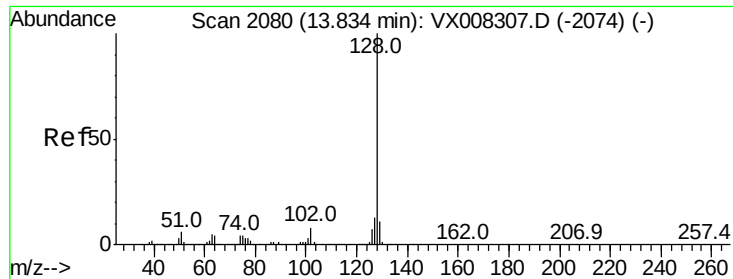
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#90
 Hexachlorobutadiene
 Concen: 15.077 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	0.0	123.8
227	62.3	0.0	124.4





#91

Naphthalene

Concen: 18.255 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

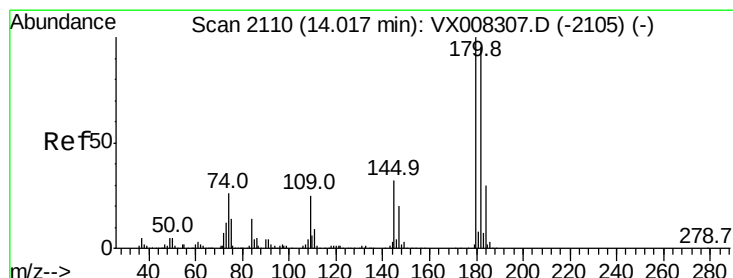
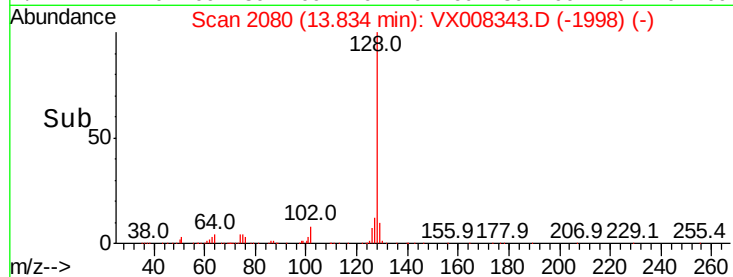
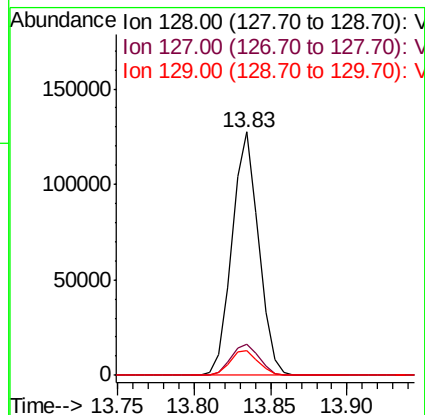
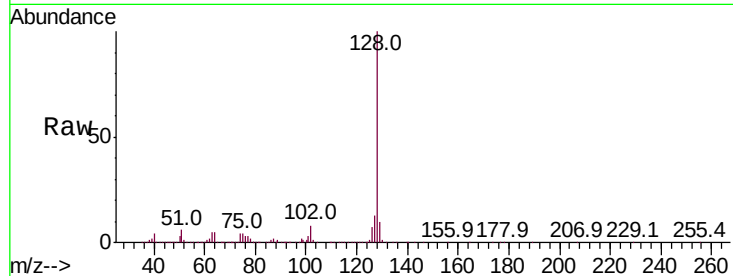
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	153889
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.5	15.7
129	10.9	8.9	13.3

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 16.468 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Tgt Ion:	180	Resp:	46730
Ion Ratio	Lower	Upper	
180	100		
182	93.6	0.0	193.0
145	32.5	0.0	63.0

