

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032219\
 Data File : VX008330.D
 Acq On : 22 Mar 2019 10:58
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

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

Quant Time: Mar 22 15:32:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 22 13:03:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	39127	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	213436	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	188782	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	80806	30.22	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.73%
60) 4-Bromofluorobenzene	11.13	95	90074	29.31	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.70%
63) Toluene-d8	8.71	98	256498	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	10947	5.214	ug/l 100
3) Chloromethane	1.33	50	11290	5.260	ug/l 94
4) Vinyl Chloride	1.41	62	12875	5.322	ug/l 98
5) Bromomethane	1.64	94	26746	6.099	ug/l 100
6) Chloroethane	1.72	64	7893	4.591	ug/l 95
7) Trichlorofluoromethane	1.93	101	21283	5.526	ug/l 95
8) Diethyl Ether	2.19	74	8291	5.551	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	12501	5.869	ug/l 96
10) 1,1-Dichloroethene	2.37	96	11384	5.415	ug/l 98
11) Methyl Iodide	2.51	142	15845	4.986	ug/l 99
12) Methyl Acetate	2.78	43	12294	5.359	ug/l 95
13) Acrolein	2.29	56	8065	22.441	ug/l 95
14) Acrylonitrile	3.14	53	29704	26.091	ug/l 98
15) Acetone	2.44	58	11703	26.214	ug/l 89
16) Carbon Disulfide	2.57	76	32097	5.506	ug/l 98
17) Allyl chloride	2.73	41	16249	5.238	ug/l 97
18) Methylene Chloride	2.85	84	12747	5.632	ug/l 95
19) trans-1,2-Dichloroethene	3.17	96	12259	5.493	ug/l 91
20) Diisopropyl ether	3.86	45	34395	5.302	ug/l 96
21) 1,1-Dichloroethane	3.70	63	20734	5.412	ug/l 97
22) cis-1,2-Dichloroethene	4.60	96	13822	5.370	ug/l 98
23) tert-Butyl Alcohol	3.04	59	11538	24.964	ug/l # 99
24) Methyl tert-Butyl Ether	3.20	73	35333	5.231	ug/l 97
25) Chloroform	5.20	83	22259	5.477	ug/l 89
26) Cyclohexane	5.58	56	18067	5.333	ug/l # 96
29) 1,1-Dichloropropene	5.80	75	16096	5.310	ug/l 96
30) 2-Butanone	4.67	43	44573	25.528	ug/l 97
31) 2,2-Dichloropropane	4.59	77	14770m	5.175	ug/l
32) 1,1,1-Trichloroethane	5.49	97	18679	5.237	ug/l 94
33) Carbon Tetrachloride	5.78	117	17010	5.193	ug/l 95
34) Benzene	6.14	78	47372	5.246	ug/l 98
35) Methacrylonitrile	5.04	41	8410	5.171	ug/l 96
36) 1,2-Dichloroethane	6.20	62	18568	5.579	ug/l # 91
37) Trichloroethene	7.21	130	14601	5.500	ug/l 91
38) Methylcyclohexane	7.46	83	20251	5.330	ug/l 98
39) 1,2-Dichloropropane	7.51	63	12004	5.224	ug/l 97
40) Dibromomethane	7.66	93	8665	5.142	ug/l 95

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDIC005

Manual Integrations
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Quant Time: Mar 22 15:32:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 22 13:03:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	16075	5.027	ug/l #	95
42) Vinyl Acetate	3.81	43	146604	24.981	ug/l	99
43) Ethyl Acetate	4.84	43	16252	5.270	ug/l #	89
44) Isopropyl Acetate	6.44	43	23932	4.934	ug/l #	75
45) 1,4-Dioxane	7.74	88	6396	104.840	ug/l #	92
46) Methyl methacrylate	7.76	41	11957	5.024	ug/l	93
47) n-amyl Acetate	10.90	43	18838	4.530	ug/l	92
48) t-1,3-Dichloropropene	9.04	75	14536	4.540	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	16482	4.614	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	13114	5.417	ug/l	96
51) Ethyl methacrylate	9.18	69	15784	4.466	ug/l	95
52) 1,3-Dichloropropane	9.37	76	20704	5.332	ug/l	99
53) Dibromochloromethane	9.58	129	13035	4.776	ug/l	97
54) 1,2-Dibromoethane	9.67	107	13738	5.172	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	42828	24.085	ug/l	99
56) Bromoform	10.85	173	9912	4.601	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	79871	25.128	ug/l	97
59) 2-Hexanone	9.49	43	62182	24.731	ug/l	98
61) Tetrachloroethene	9.34	164	14172	5.577	ug/l	96
62) Toluene	8.78	91	52221	5.211	ug/l	97
64) Chlorobenzene	10.13	112	35394	5.479	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	12360	5.010	ug/l	99
66) Ethyl Benzene	10.25	91	55125	5.087	ug/l	97
67) m/p-Xylenes	10.36	106	44323	10.291	ug/l	99
68) o-Xylene	10.69	106	21144	5.110	ug/l	99
69) Styrene	10.71	104	33194	4.752	ug/l	97
70) Isopropylbenzene	11.02	105	55565	5.104	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	19652	5.294	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	15412m	4.974	ug/l	
73) Bromobenzene	11.26	156	15599	5.179	ug/l	100
74) n-propylbenzene	11.36	91	61814	5.094	ug/l	99
75) 2-Chlorotoluene	11.42	91	37829	5.220	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	46701	5.022	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	3997	3.773	ug/l	94
78) 4-Chlorotoluene	11.51	91	44167	5.179	ug/l	98
79) tert-butylbenzene	12.06	119	48138	4.921	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	46537	5.036	ug/l	99
81) sec-Butylbenzene	11.94	105	56538	5.330	ug/l	99
82) p-Isopropyltoluene	12.06	119	48138	4.921	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	27124	5.188	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	26698	5.128	ug/l	96
85) n-Butylbenzene	12.39	91	40352	4.795	ug/l	99
86) Hexachloroethane	12.60	117	8213	4.871	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	26448	5.130	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	13.00	75	4199	4.941	ug/l	81
89) 1,2,4-Trichlorobenzene	13.65	180	17429	4.777	ug/l	97
90) Hexachlorobutadiene	13.78	225	9353	5.092	ug/l	96
91) Naphthalene	13.83	128	48923	4.464	ug/l	98
92) 1,2,3-Trichlorobenzene	14.02	180	17811	4.828	ug/l	96

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

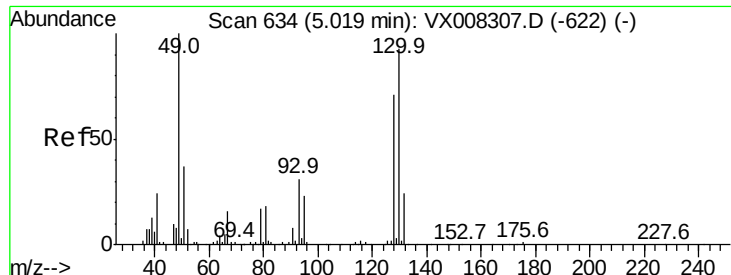
Manual Integrations
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Quant Time: Mar 22 15:32:16 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



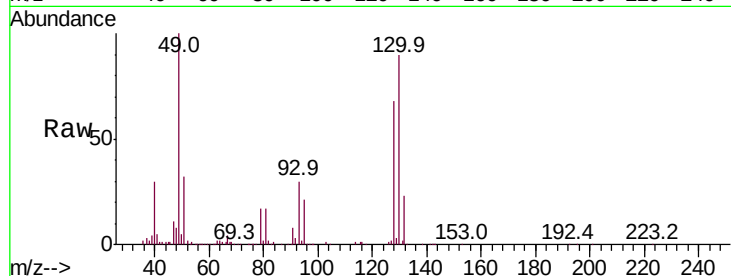
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
49	138.7	0.0	350.8
130	129.4	0.0	325.8

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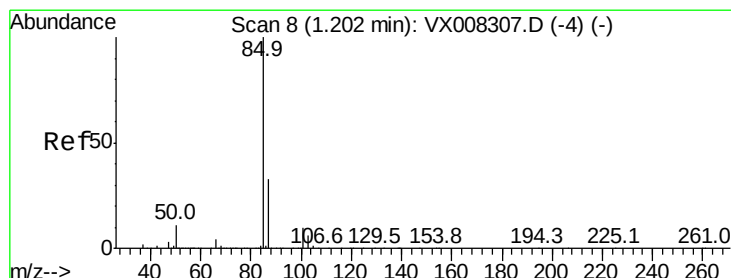
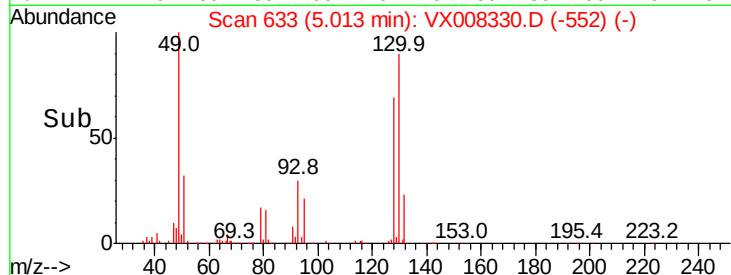
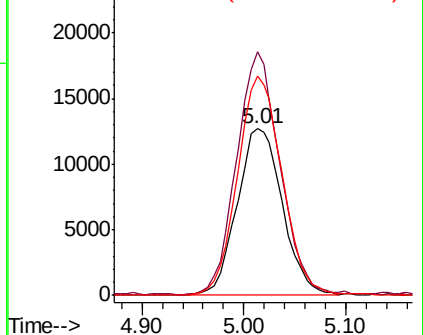


Abundance

Ion 128.00 (127.70 to 128.70): V

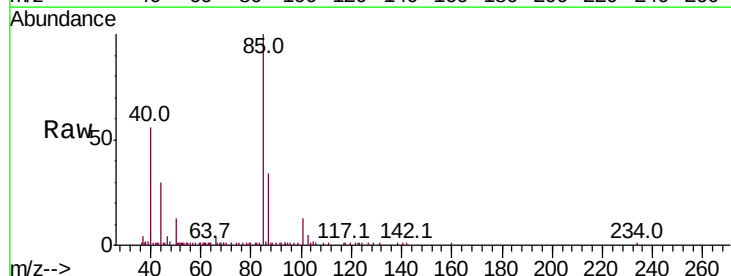
Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2
Dichlorodifluoromethane
Concen: 5.214 ug/l
RT: 1.20 min Scan# 8
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

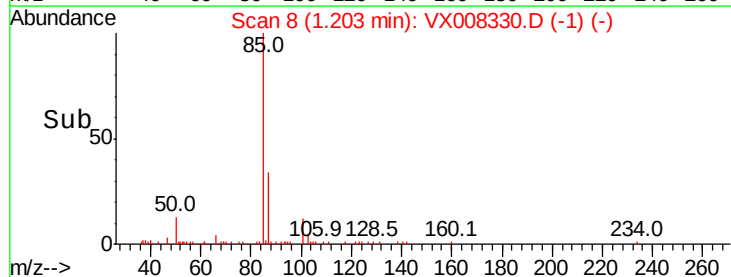
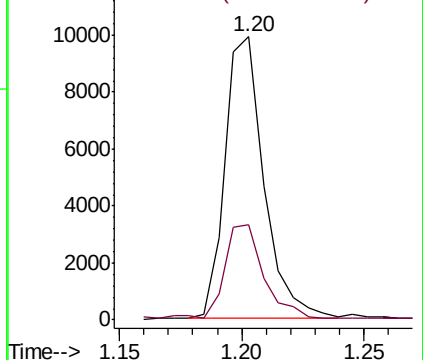
Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.6	49.8

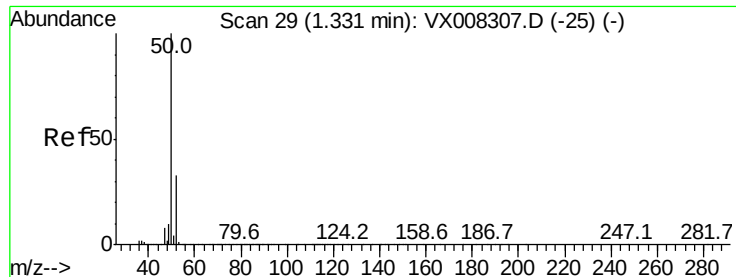


Abundance

Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 5.260 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 11290

Ion Ratio Lower Upper

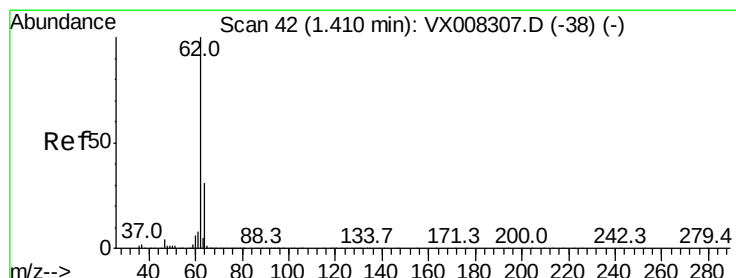
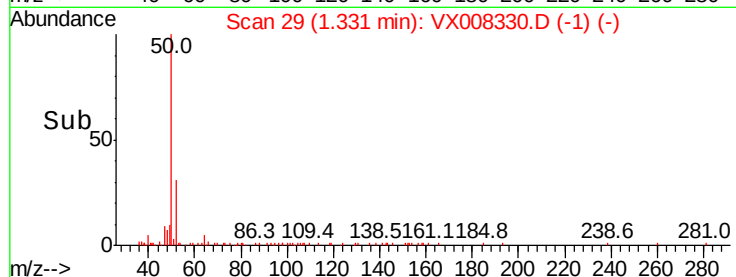
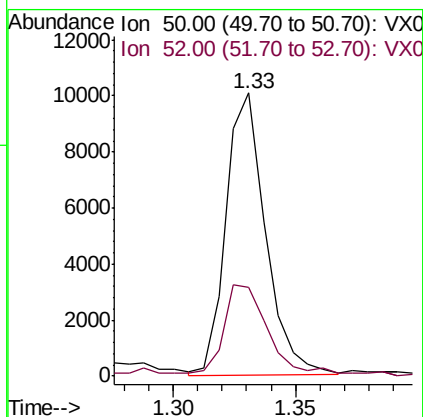
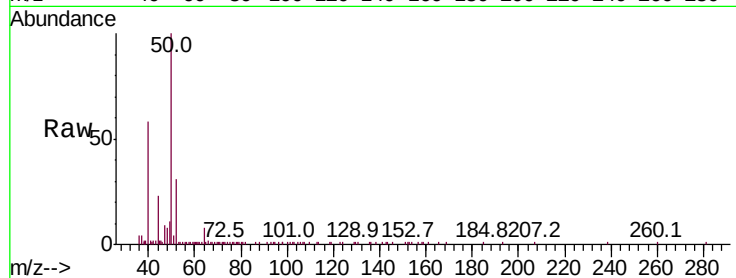
50 100

52 30.8 27.5 41.3

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#4

Vinyl Chloride

Concen: 5.322 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008330.D

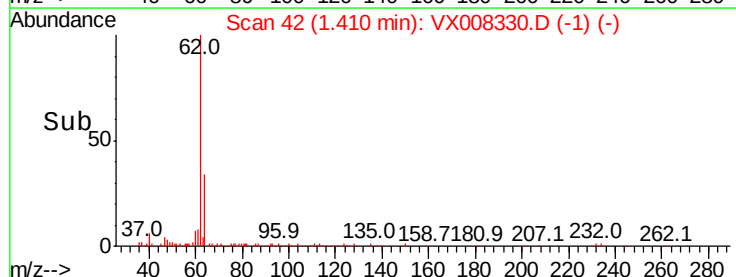
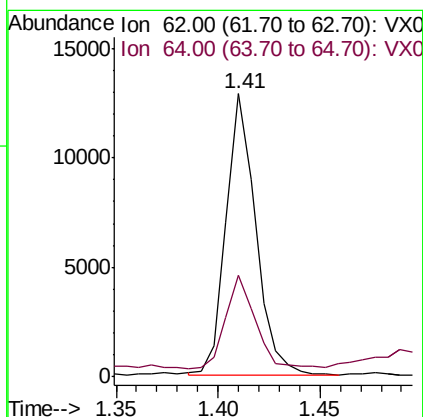
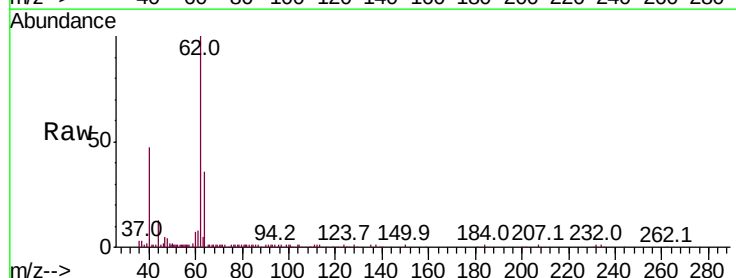
Acq: 22 Mar 2019 10:58

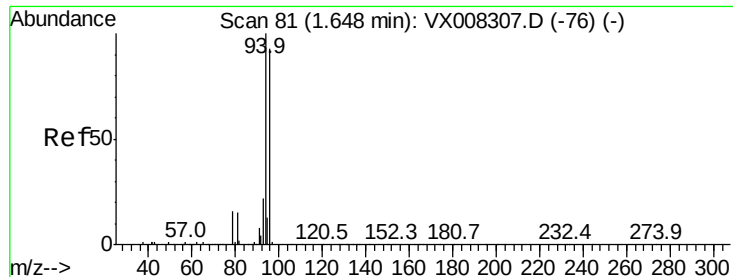
Tgt Ion: 62 Resp: 12875

Ion Ratio Lower Upper

62 100

64 33.3 25.9 38.9





#5

Bromomethane

Concen: 6.099 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 26746

Ion Ratio Lower Upper

94 100

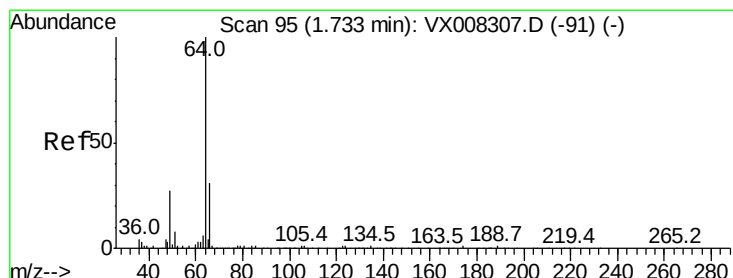
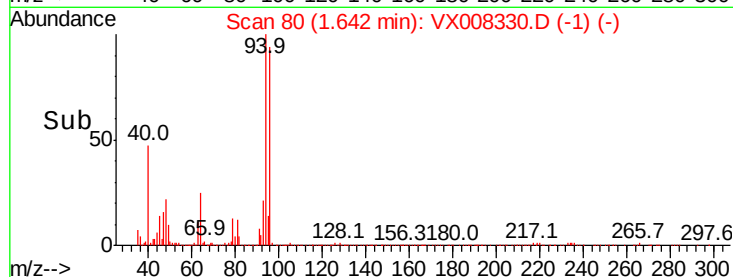
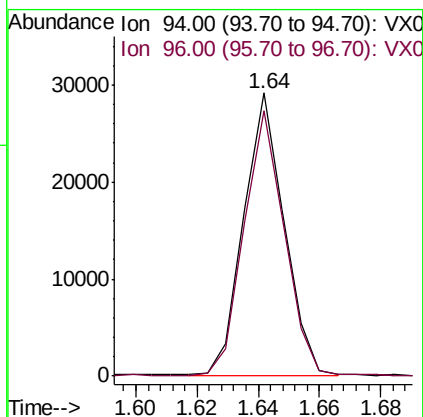
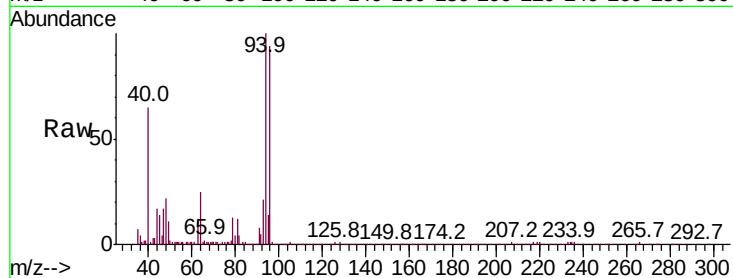
96 94.2 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 4.591 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.01 min

Lab File: VX008330.D

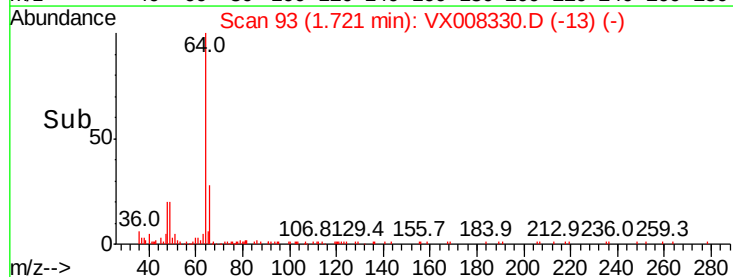
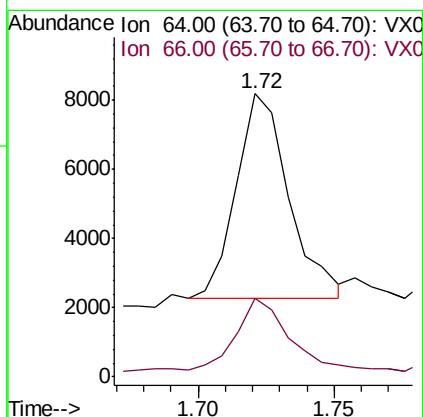
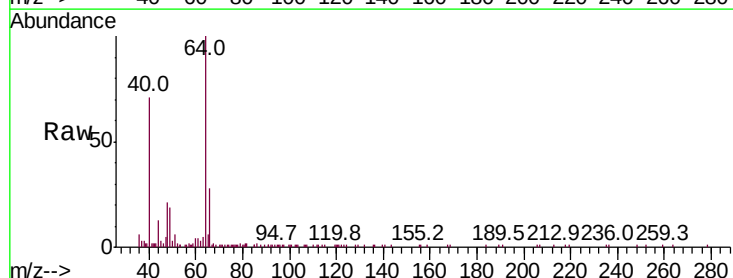
Acq: 22 Mar 2019 10:58

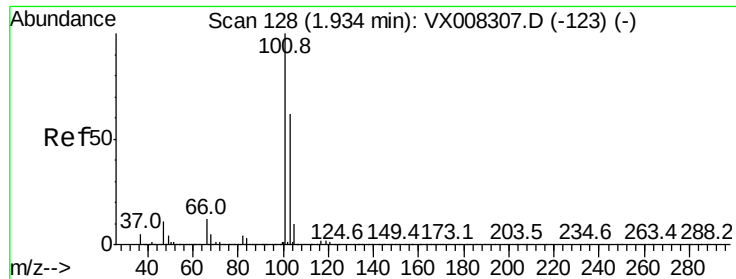
Tgt Ion: 64 Resp: 7893

Ion Ratio Lower Upper

64 100

66 32.7 23.9 35.9





#7

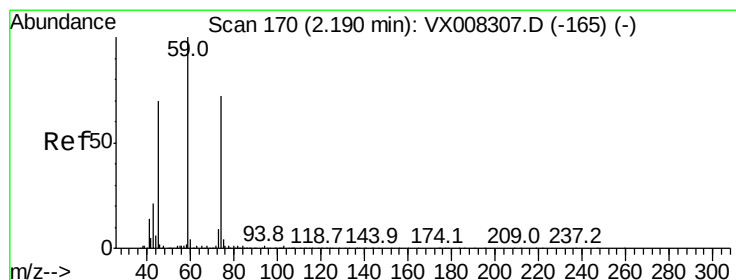
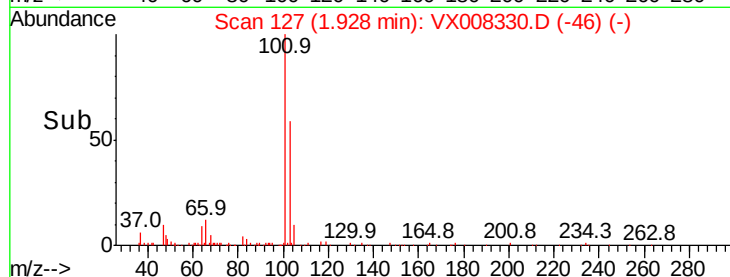
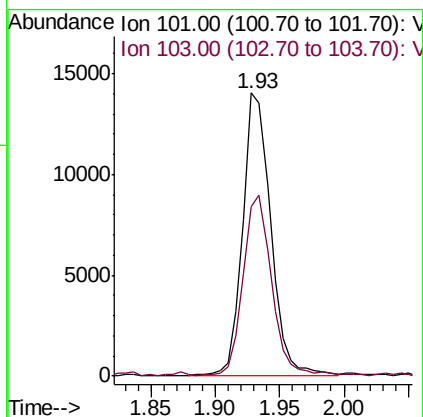
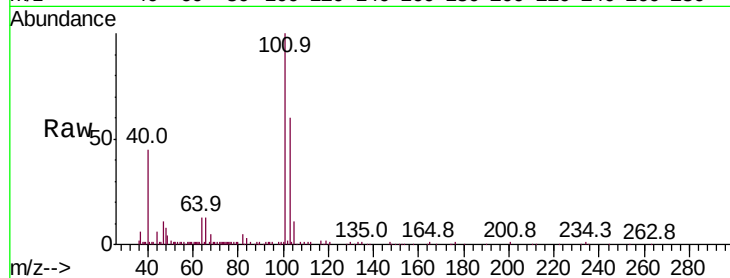
Trichlorofluoromethane
Concen: 5.526 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.01 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.4	50.4	75.6

Manual Integrations
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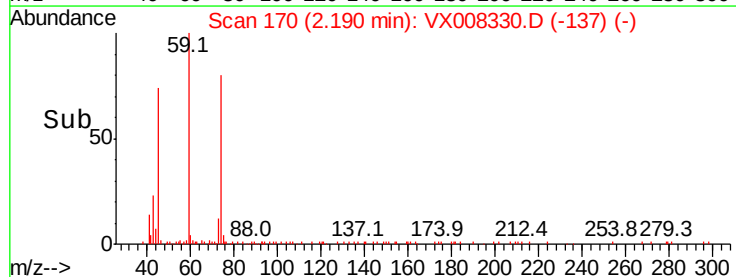
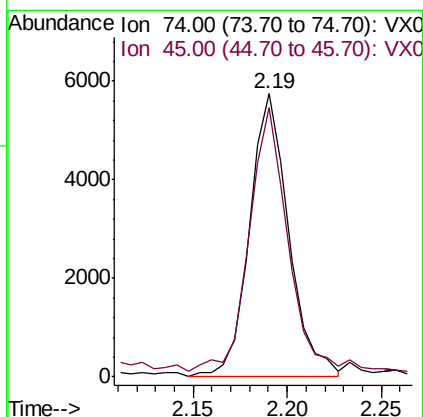
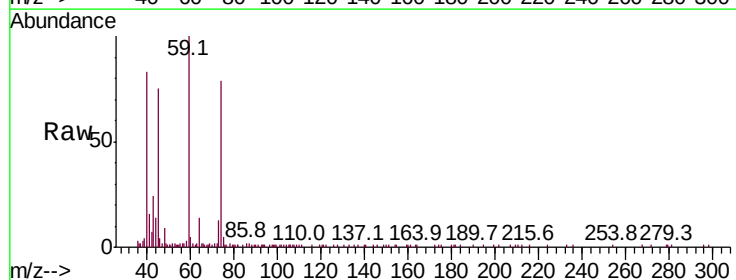
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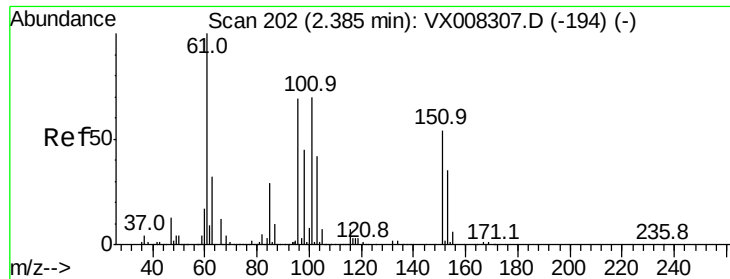


#8

Diethyl Ether
Concen: 5.551 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.3	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.869 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

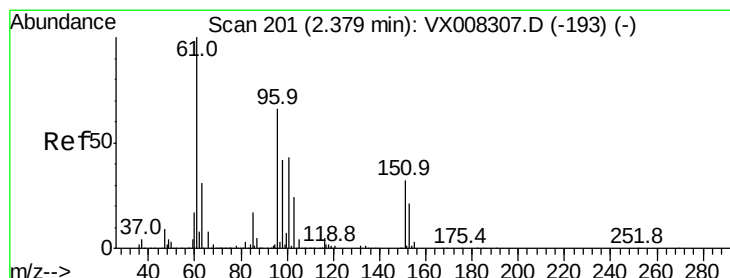
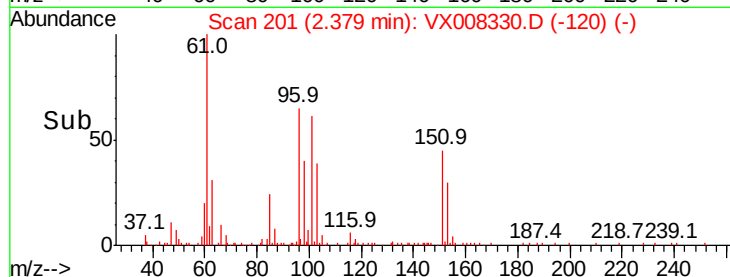
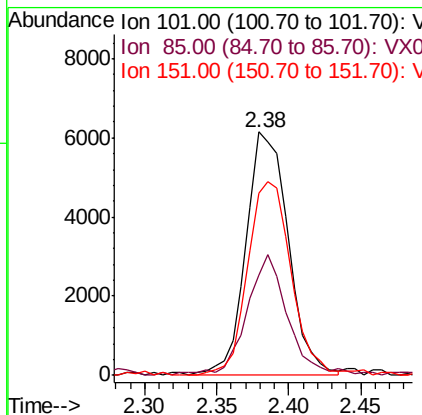
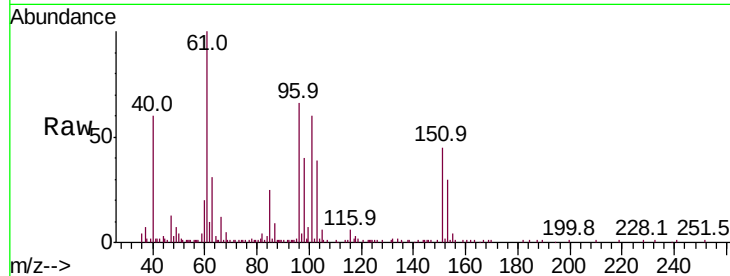
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	12501
Ion Ratio	Lower	Upper	
101	100		
85	45.4	0.0	86.8
151	80.9	0.0	169.2

Manual Integrations
APPROVED

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



#10

1,1-Dichloroethene

Concen: 5.415 ug/l

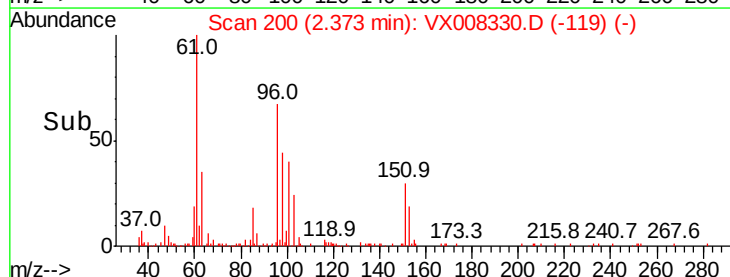
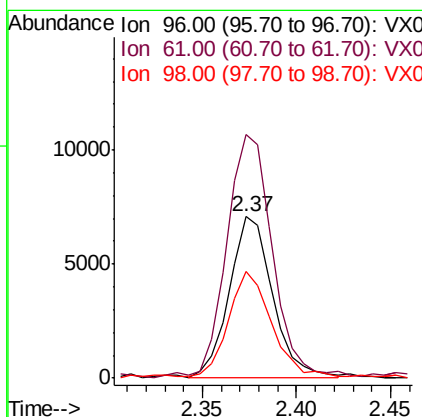
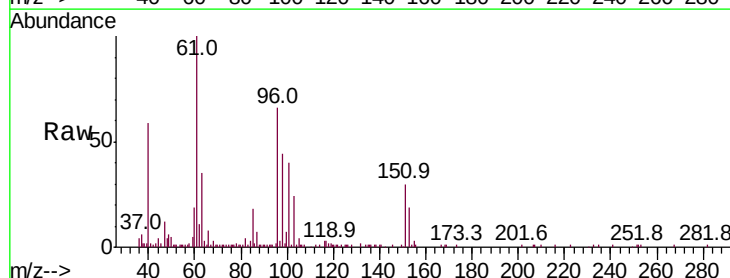
RT: 2.37 min Scan# 200

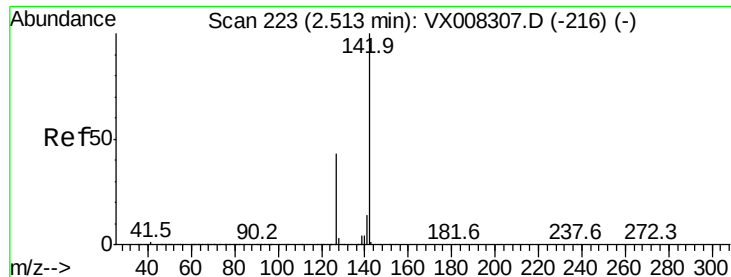
Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Tgt Ion:	96	Resp:	11384
Ion Ratio	Lower	Upper	
96	100		
61	149.1	120.2	180.2
98	65.1	49.0	73.4





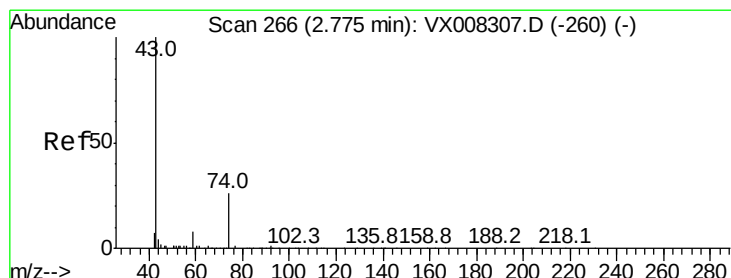
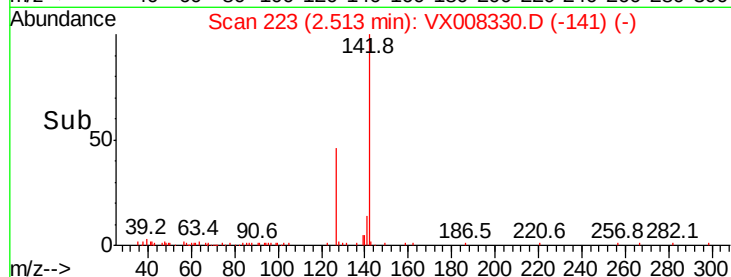
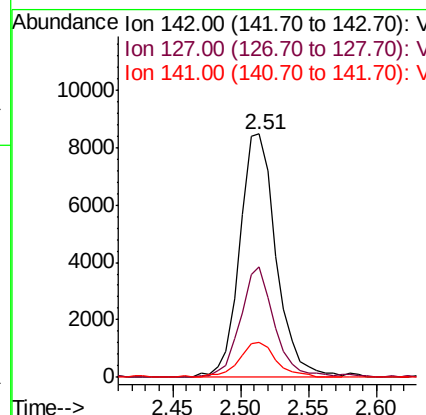
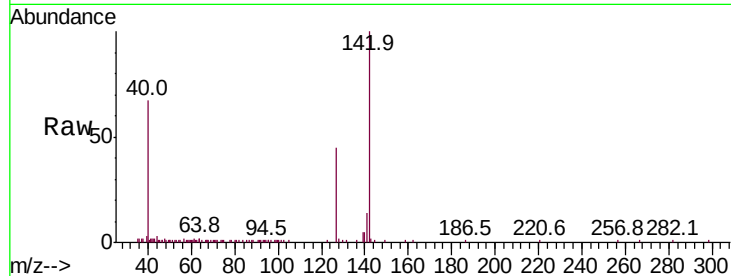
#11
Methvl Iodide
Concen: 4.986 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.0	22.1	66.5
141	14.4	7.4	22.3

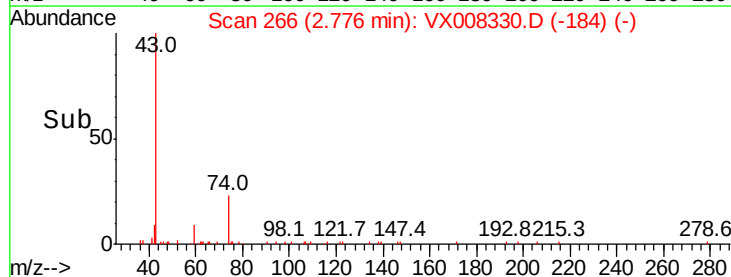
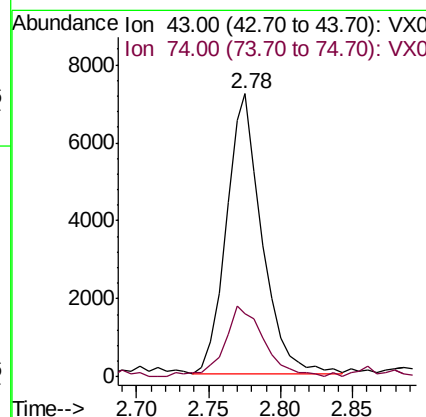
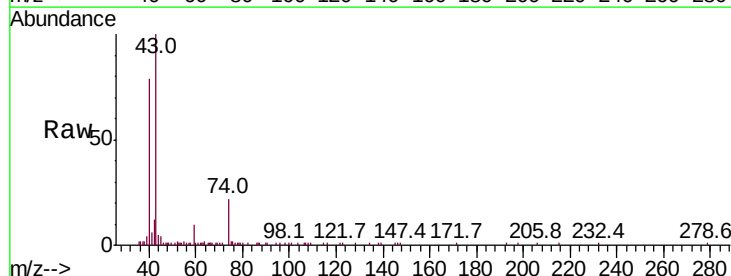
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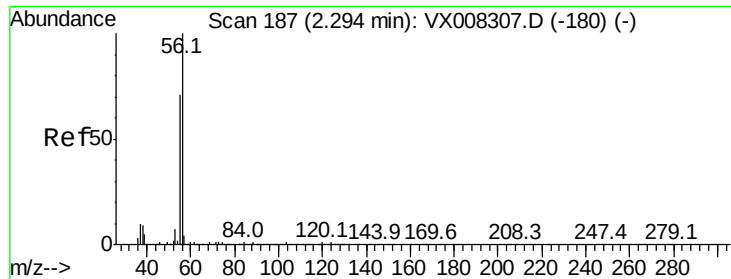
MMDadoda
3/23/2019 9:33:33 AM



#12
Methyl Acetate
Concen: 5.359 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	19.4	29.0





#13

Acrolein

Concen: 22.441 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 8065

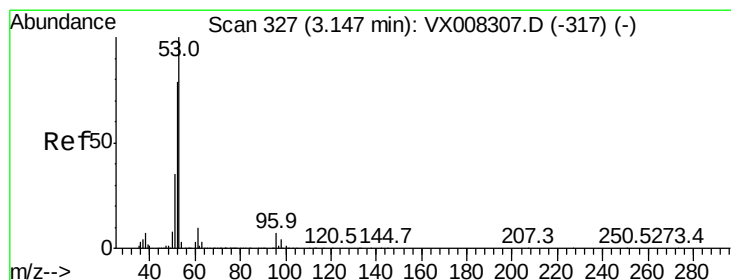
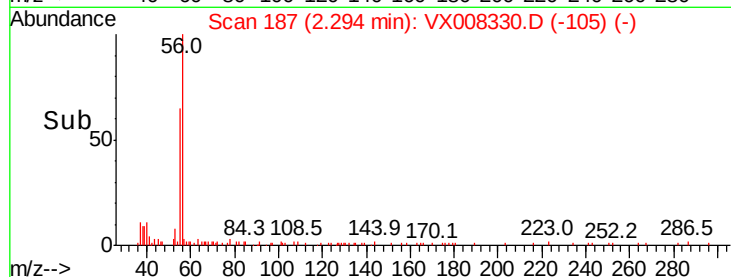
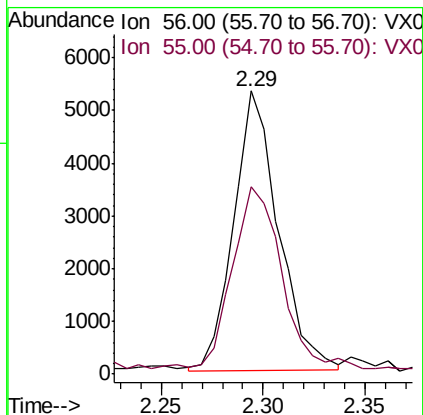
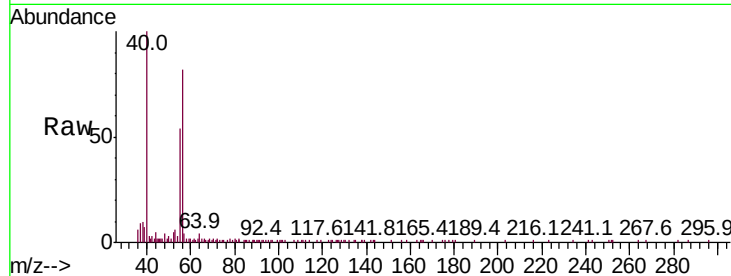
Ion Ratio Lower Upper

56 100

55 68.6 58.6 87.8

Manual Integrations
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#14

Acrylonitrile

Concen: 26.091 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

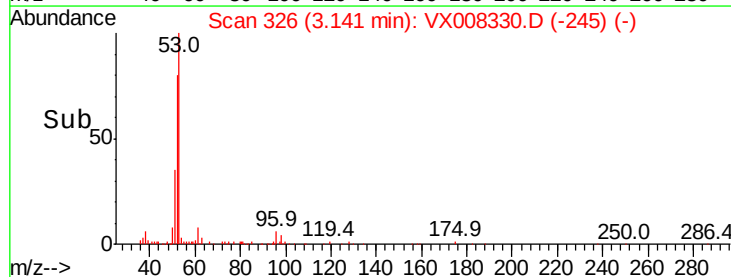
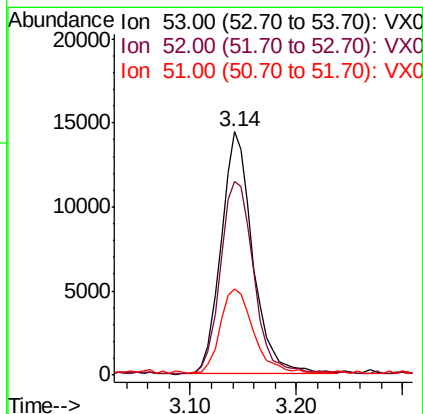
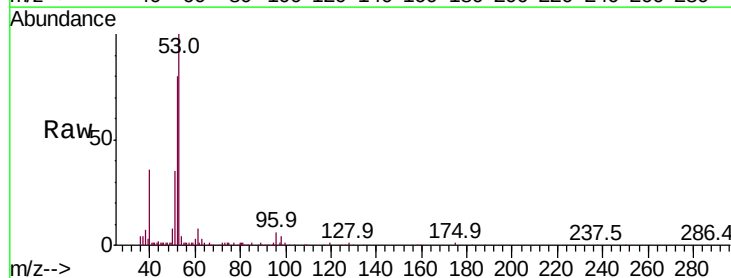
Tgt Ion: 53 Resp: 29704

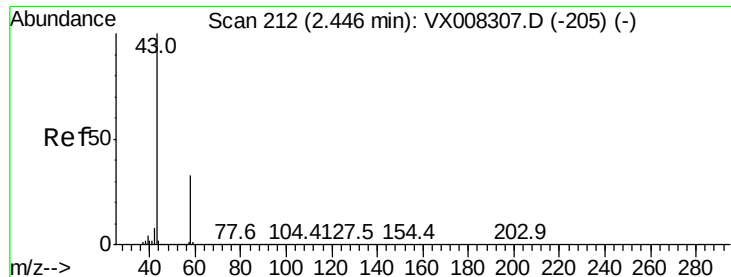
Ion Ratio Lower Upper

53 100

52 84.1 41.3 124.1

51 36.3 17.5 52.6





#15

Acetone

Concen: 26.214 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 58 Resp: 11703

Ion Ratio Lower Upper

58 100

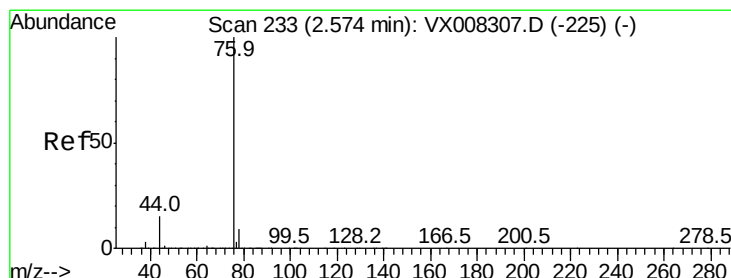
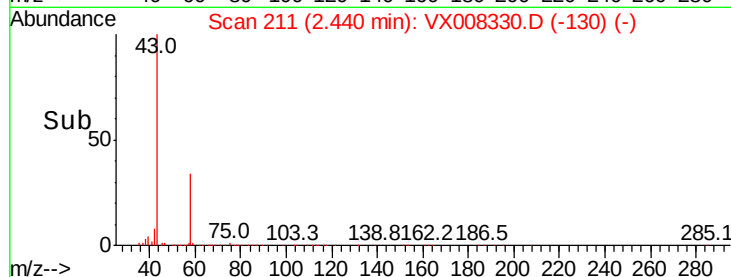
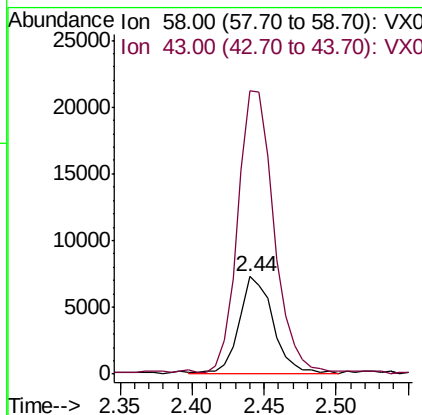
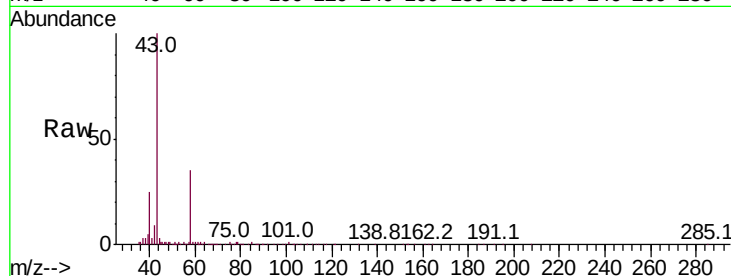
43 289.7 249.8 374.6

Manual Integrations

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#16

Carbon Disulfide

Concen: 5.506 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX008330.D

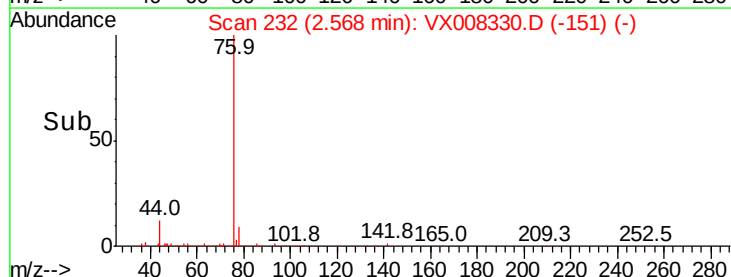
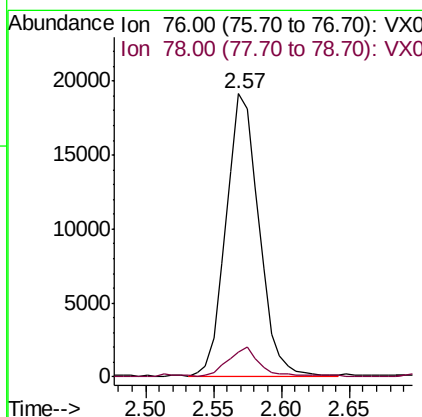
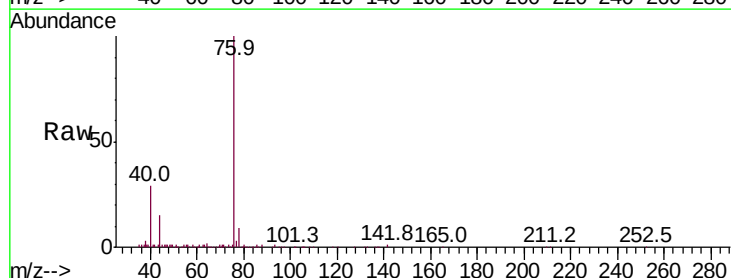
Acq: 22 Mar 2019 10:58

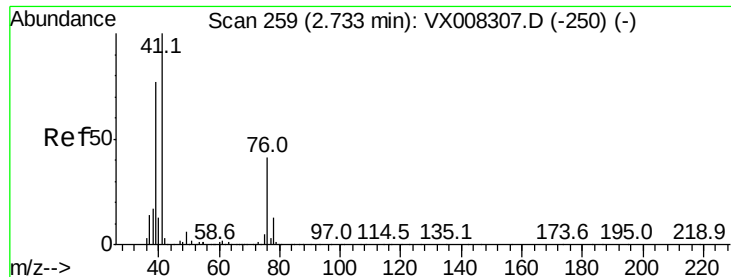
Tgt Ion: 76 Resp: 32097

Ion Ratio Lower Upper

76 100

78 8.6 7.5 11.3





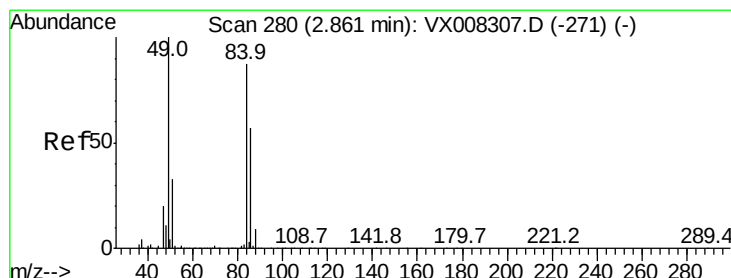
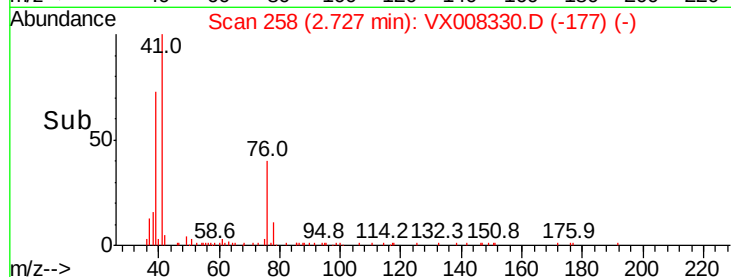
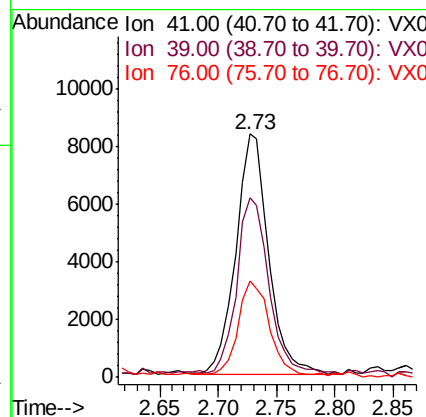
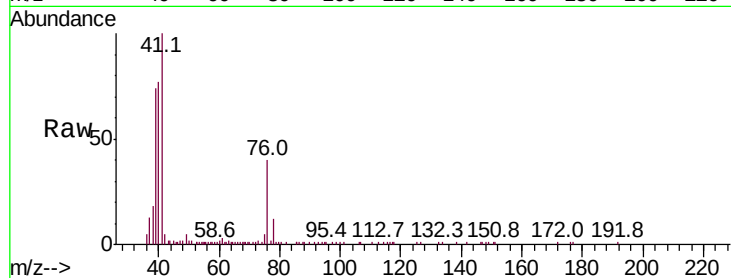
#17
Allvl chloride
Concen: 5.238 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.01 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.2	35.8	107.4
76	39.1	18.3	54.9

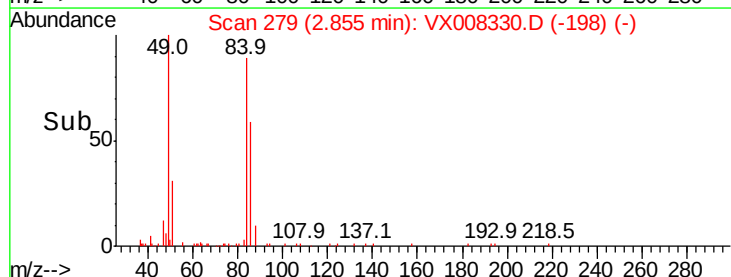
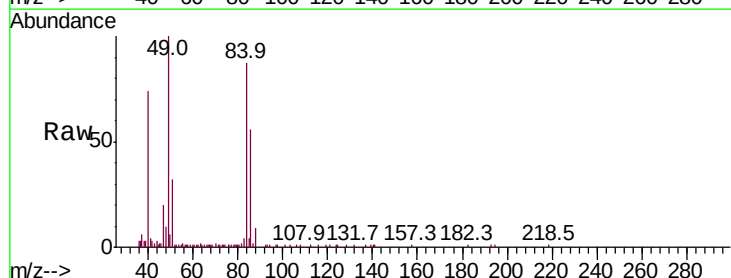
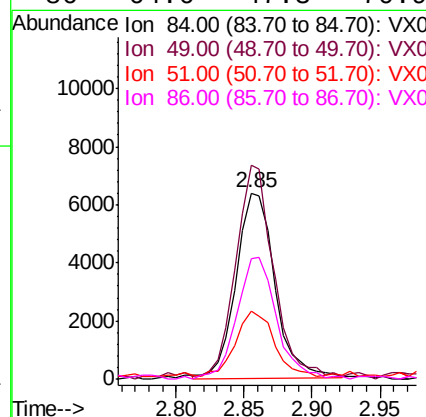
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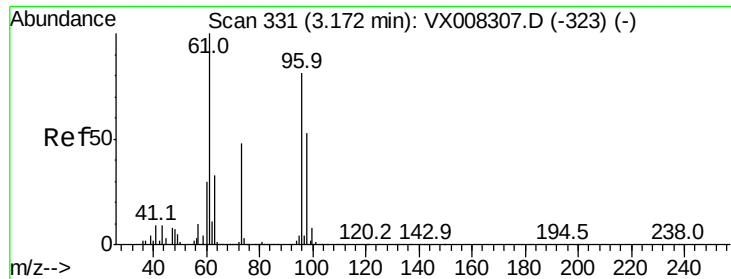
MMDadoda
3/23/2019 9:33:33 AM



#18
Methylene Chloride
Concen: 5.632 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.1	96.1	144.1
51	34.9	29.1	43.7
86	64.6	47.3	70.9





#19

trans-1,2-Dichloroethene

Concen: 5.493 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 12259

Ion Ratio Lower Upper

96 100

61 124.0 109.9 164.9

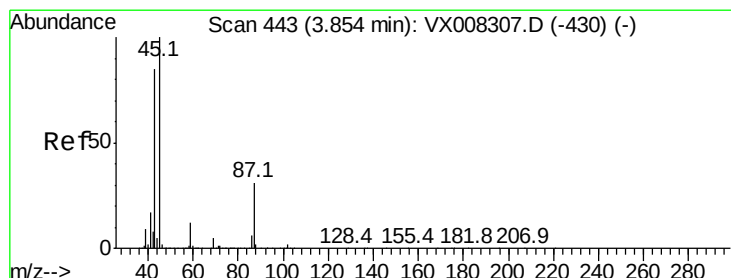
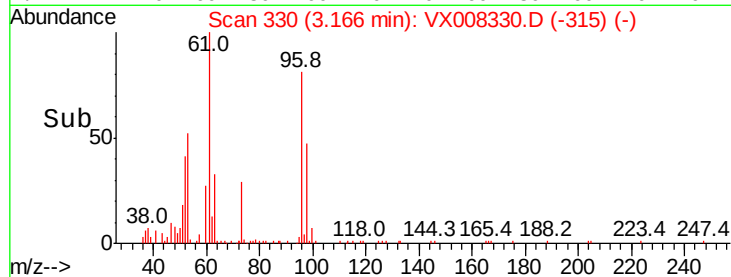
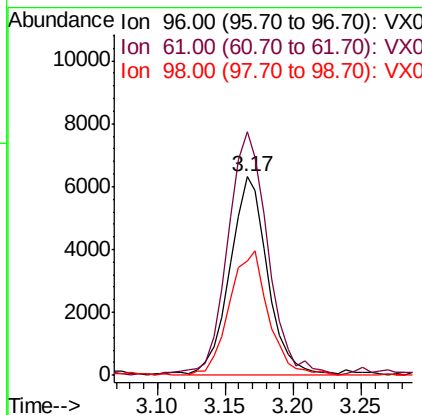
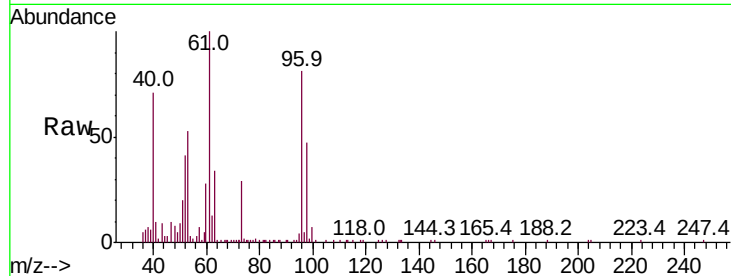
98 58.4 50.4 75.6

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#20

Diisopropyl ether

Concen: 5.302 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Tgt Ion: 45 Resp: 34395

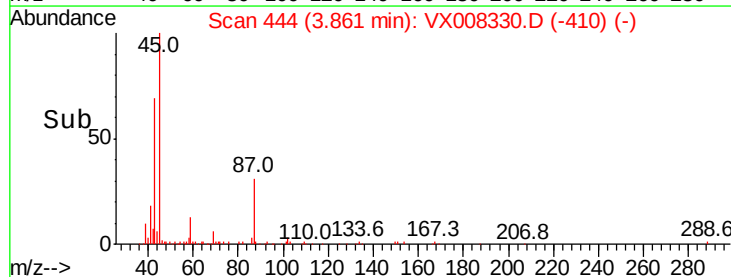
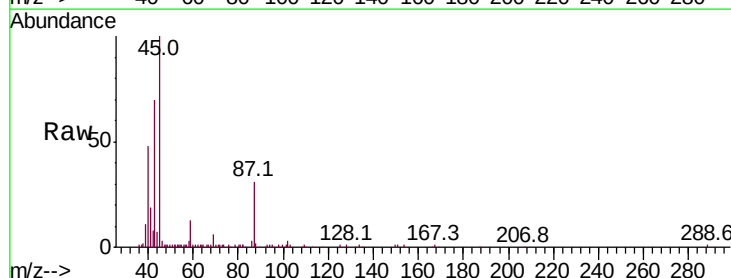
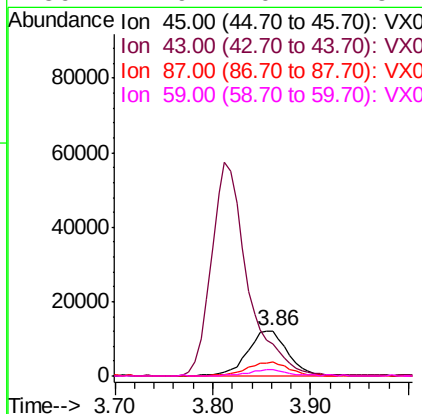
Ion Ratio Lower Upper

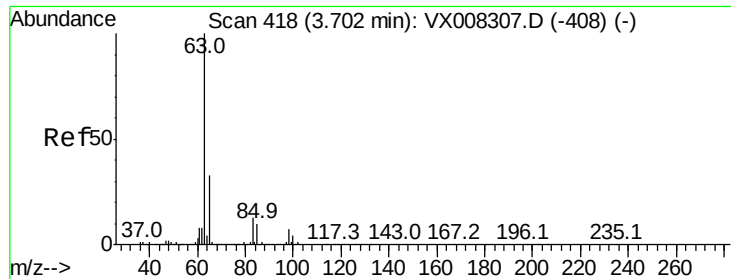
45 100

43 68.1 50.6 76.0

87 30.7 24.5 36.7

59 11.9 10.2 15.2





#21

1,1-Dichloroethane

Concen: 5.412 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

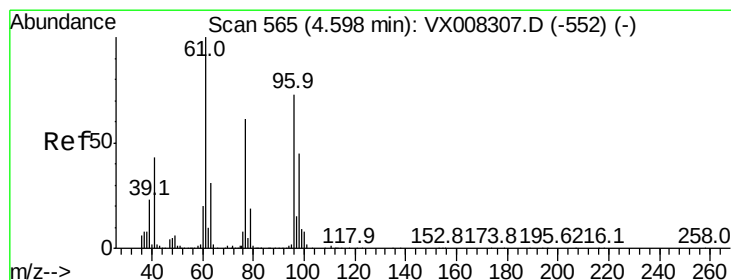
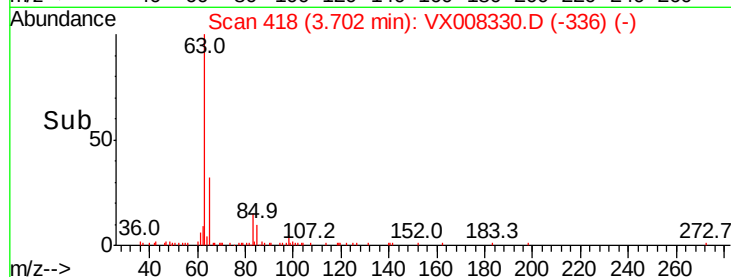
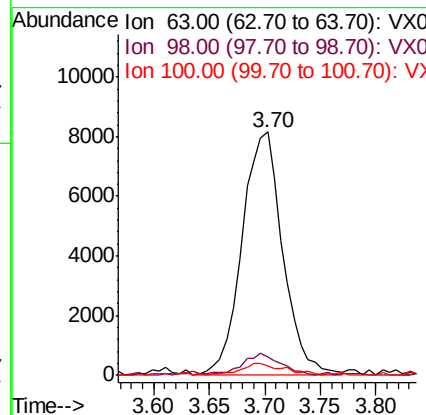
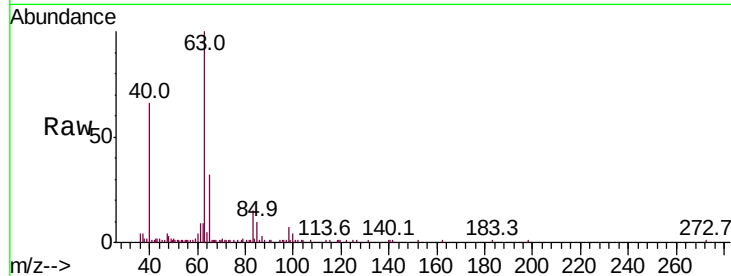
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
63	100	20734		
98	6.5	3.8	11.4	
100	3.7	2.4	7.1	

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 5.370 ug/l

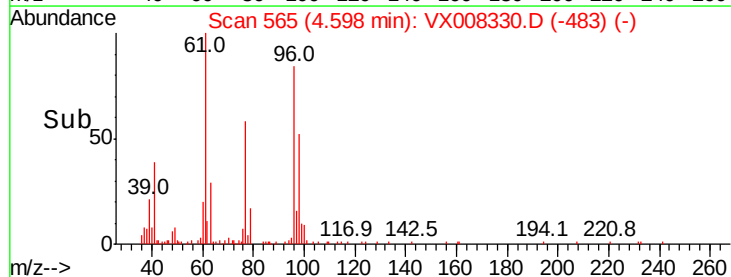
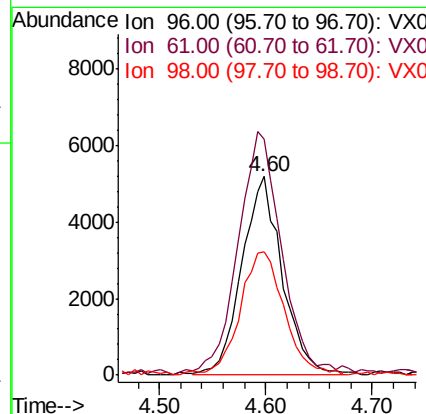
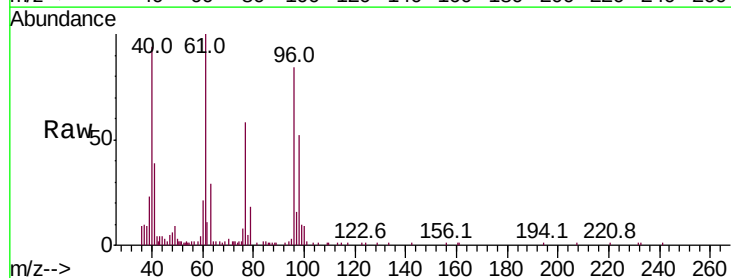
RT: 4.60 min Scan# 565

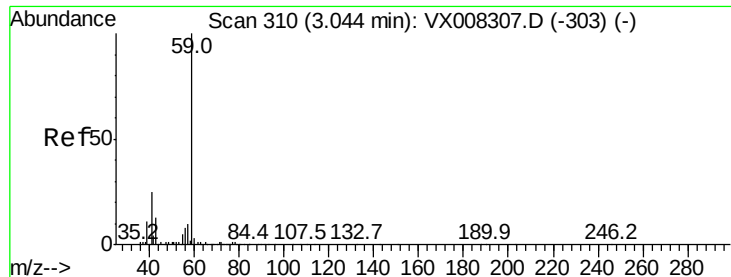
Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	13822		
61	128.5	103.5	155.3	
98	67.5	52.1	78.1	





#23

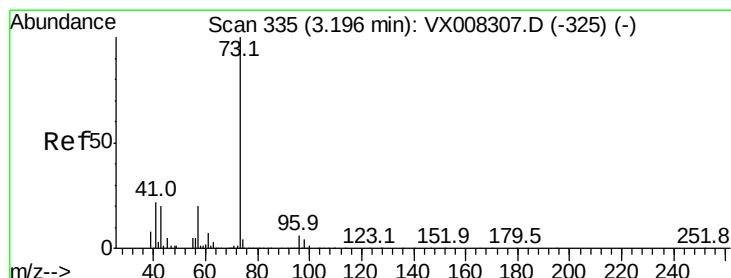
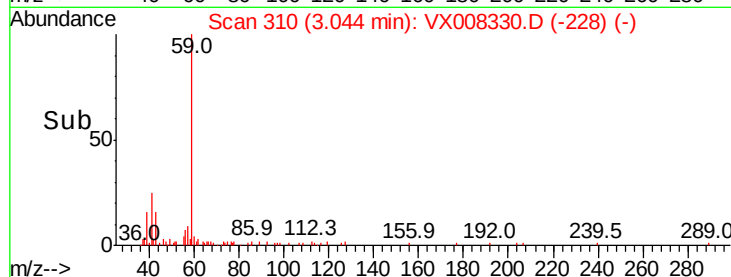
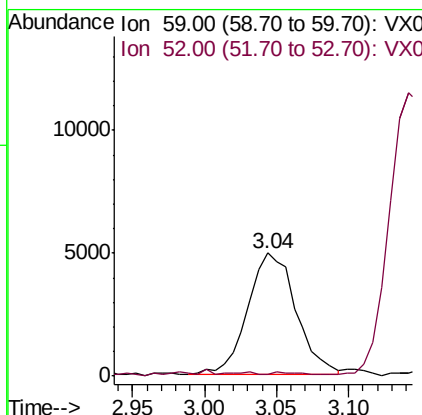
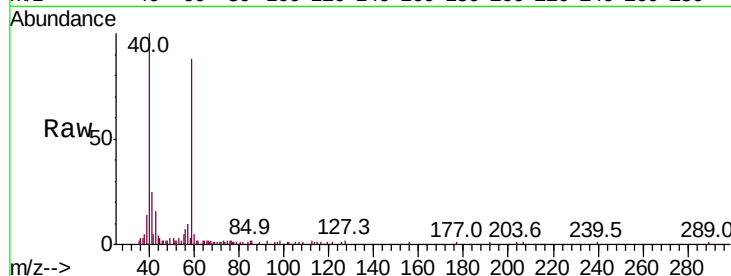
tert-Butyl Alcohol
Concen: 24.964 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
52	1.1	0.2	0.2#

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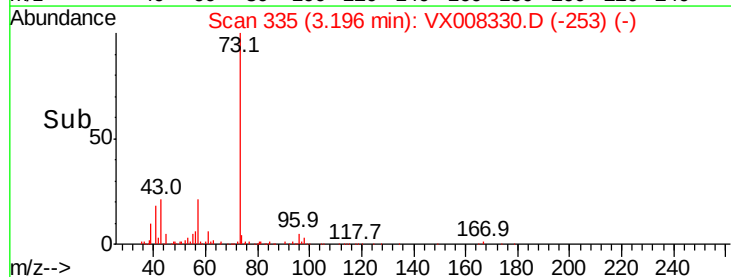
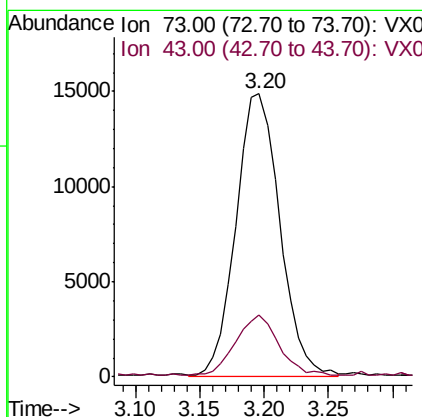
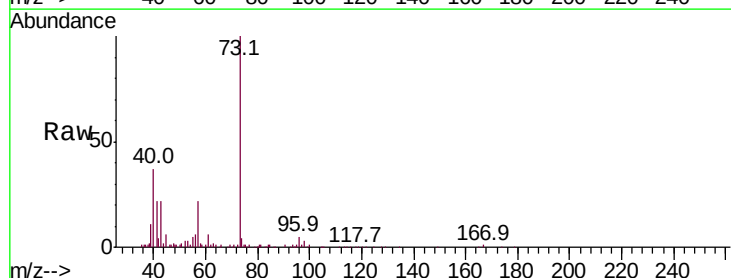
MMDadoda
3/23/2019 9:33:33 AM

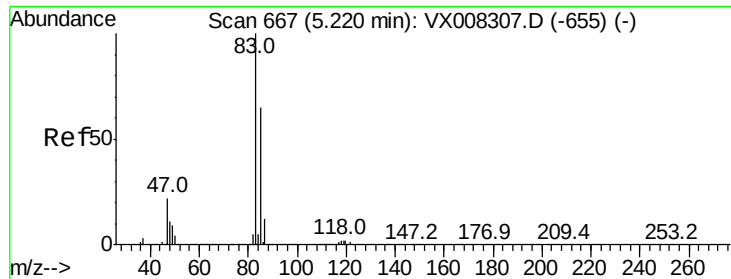


#24

Methyl tert-Butyl Ether
Concen: 5.231 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.1	17.1	25.7





#25

Chloroform

Concen: 5.477 ug/l

RT: 5.20 min Scan# 664

Delta R.T. -0.02 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 83 Resp: 22259

Ion Ratio Lower Upper

83 100

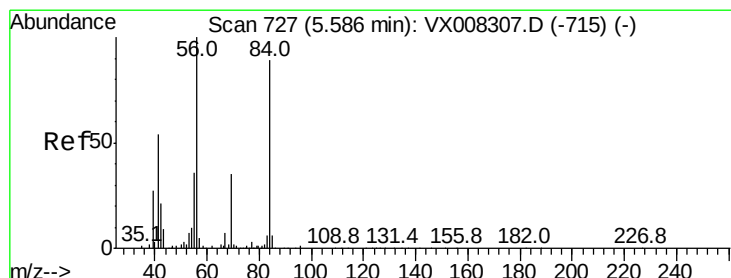
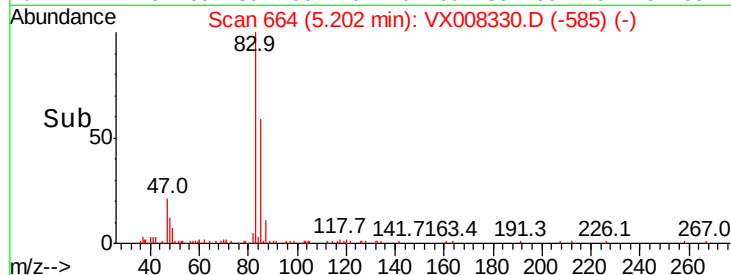
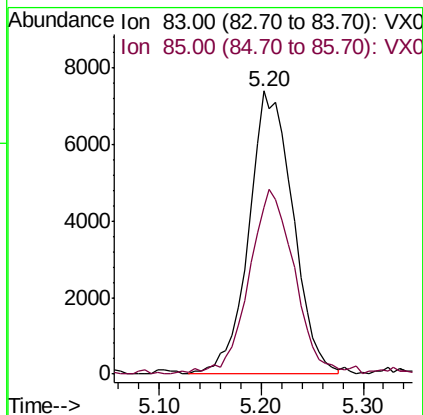
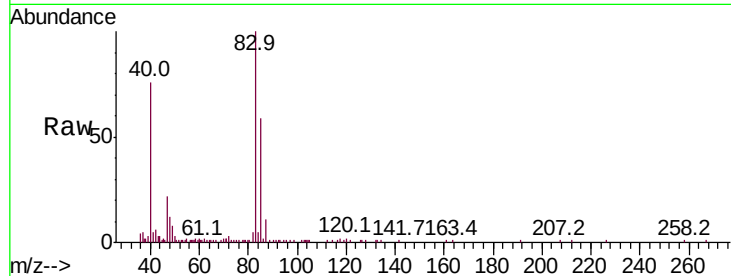
85 58.0 53.8 80.6

Manual Integrations

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3/23/2019 9:33:33 AM



#26

Cyclohexane

Concen: 5.333 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

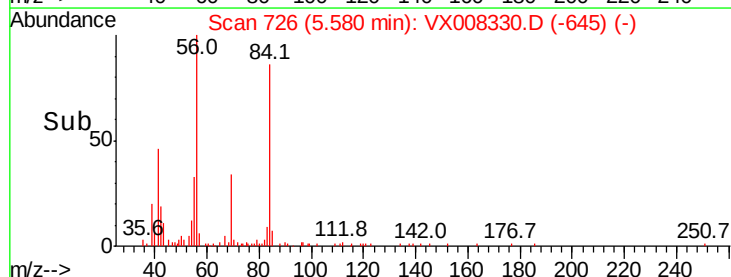
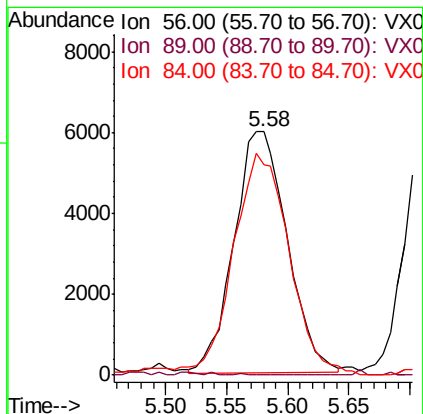
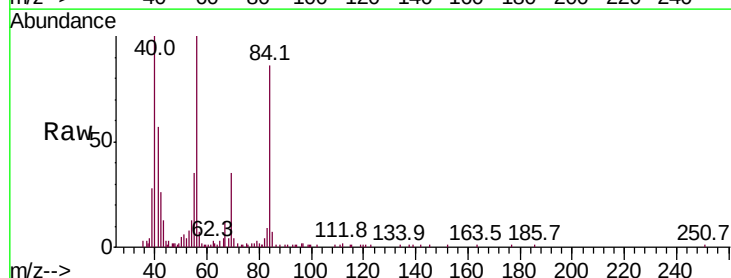
Tgt Ion: 56 Resp: 18067

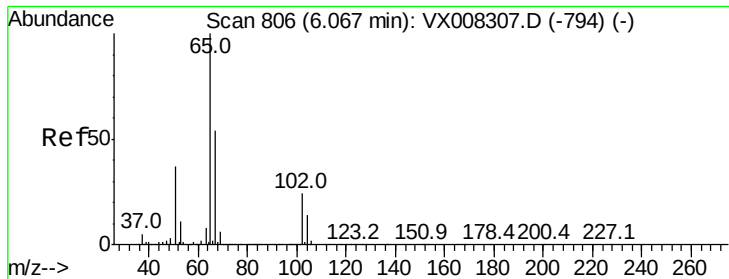
Ion Ratio Lower Upper

56 100

89 0.1 0.0 0.0#

84 96.3 73.9 110.9





#27

1,2-Dichloroethane-d4

Concen: 30.222 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 80806

Ion Ratio Lower Upper

65 100

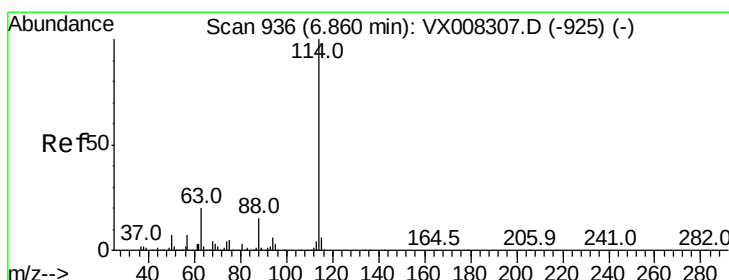
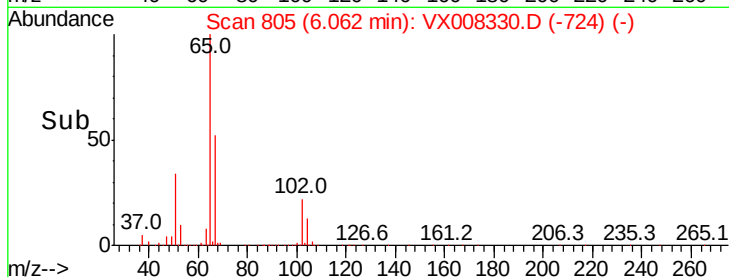
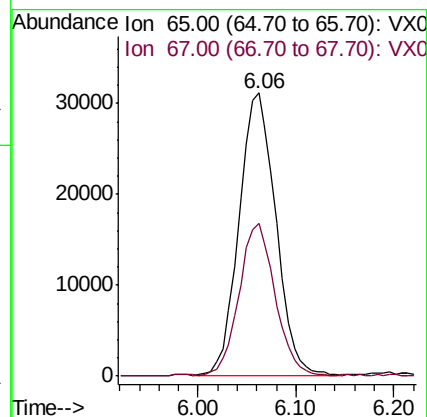
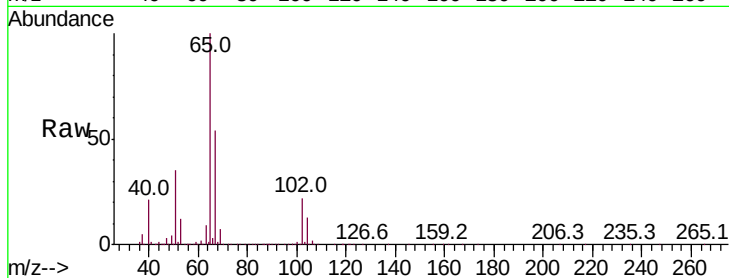
67 52.6 42.9 64.3

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

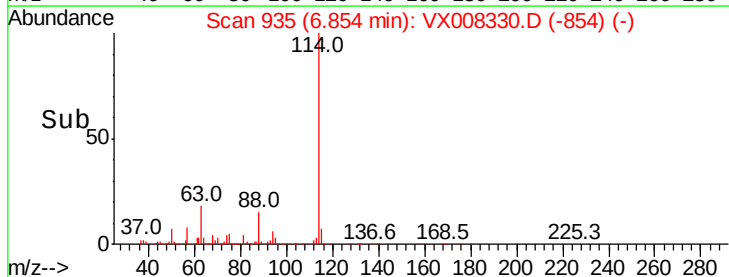
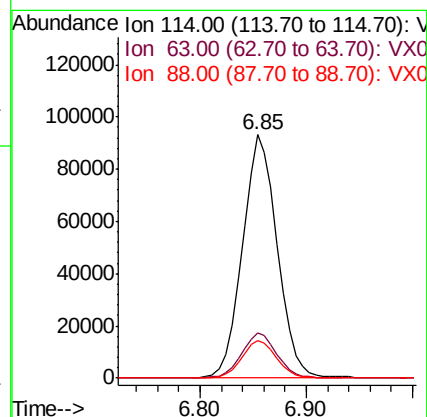
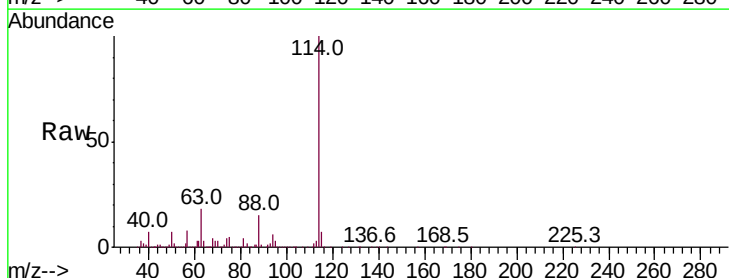
Tgt Ion: 114 Resp: 213436

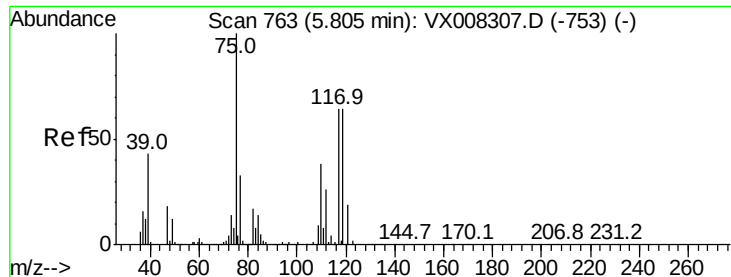
Ion Ratio Lower Upper

114 100

63 18.6 14.2 21.4

88 15.6 11.9 17.9





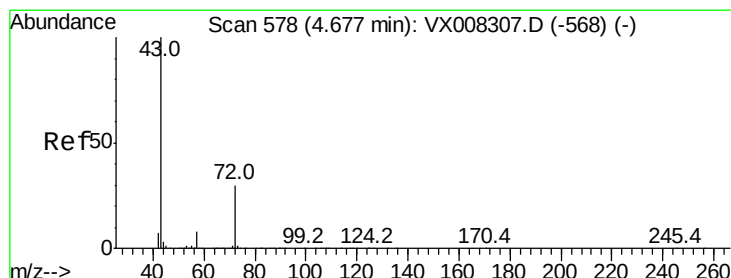
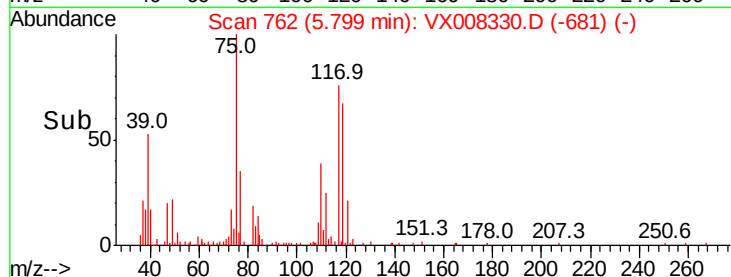
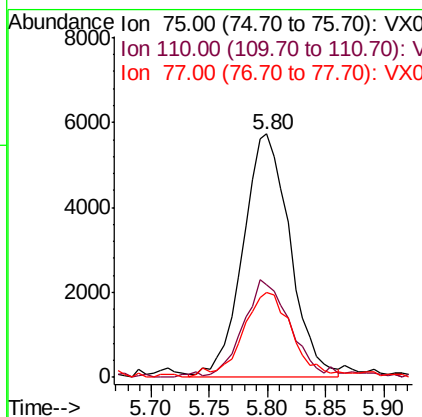
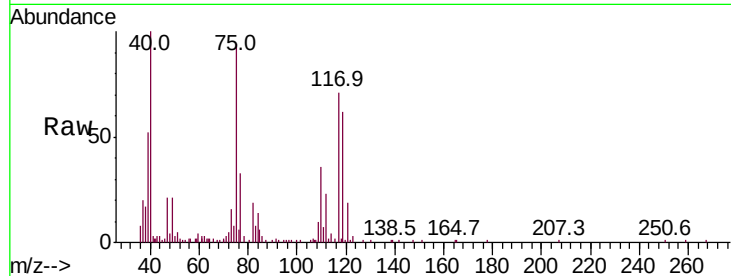
#29
 1,1-Dichloropropene
 Concen: 5.310 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	39.0	0.0	80.8
77	34.0	0.0	62.4

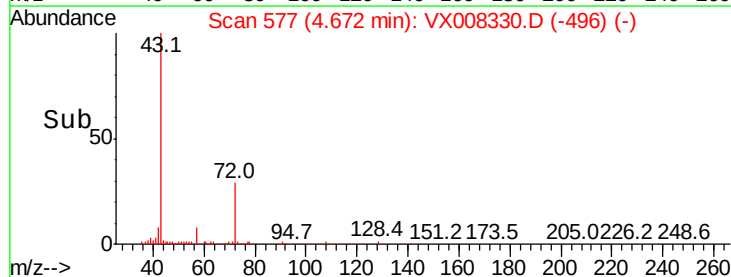
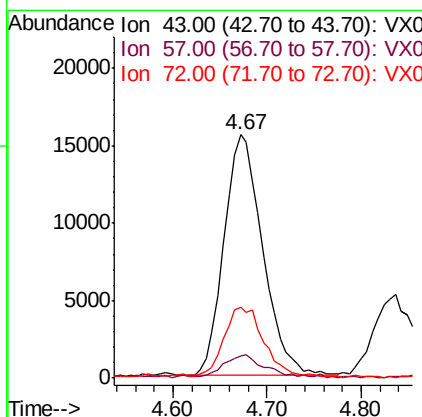
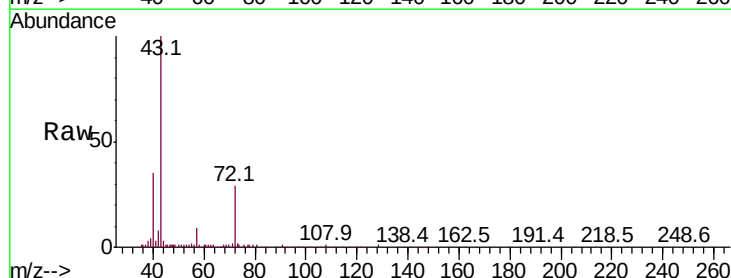
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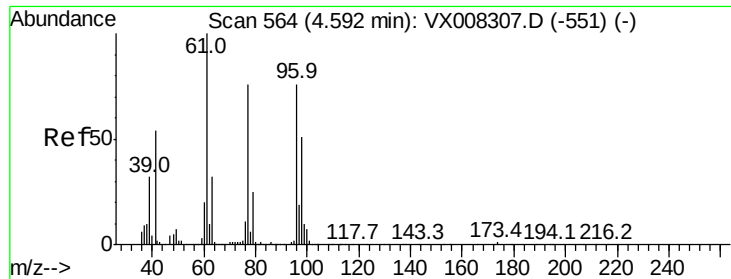
MMDadoda
 3/23/2019 9:33:33 AM



#30
 2-Butanone
 Concen: 25.528 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	9.1	7.0	10.6
72	28.7	21.5	32.3





#31

2,2-Dichloropropane

Concen: 5.175 ug/l m

RT: 4.59 min Scan# 563

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 77 Resp: 14770

Ion Ratio Lower Upper

77 100

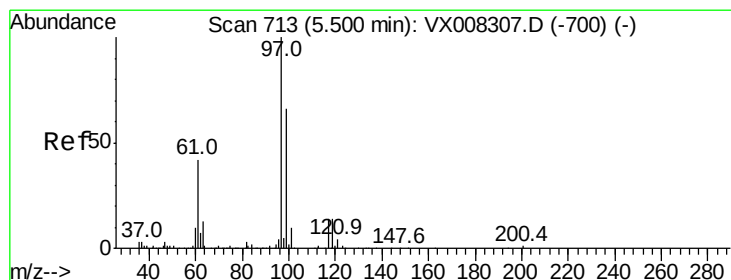
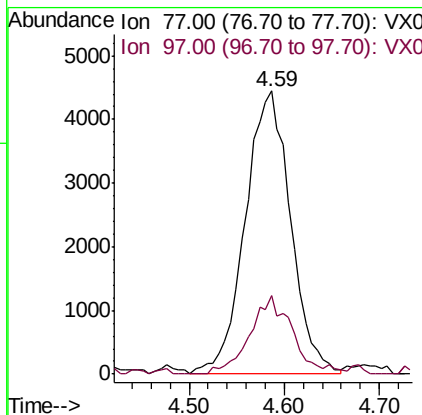
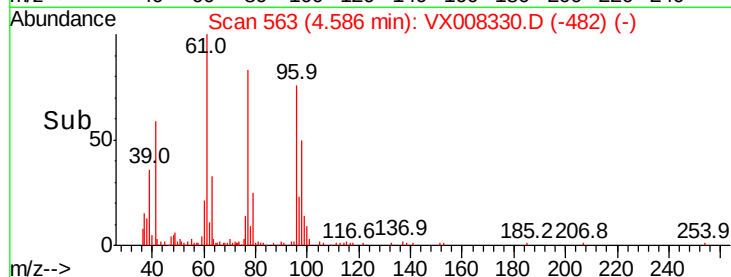
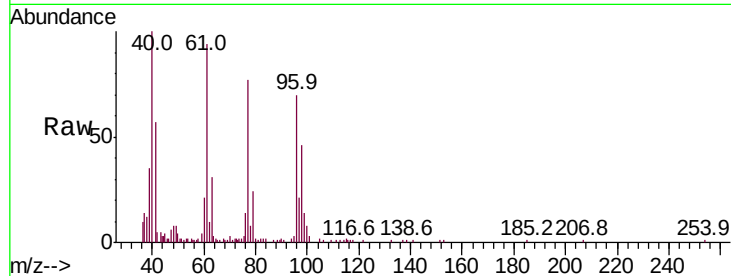
97 0.3 20.6 31.0#

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#32

1,1,1-Trichloroethane

Concen: 5.237 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

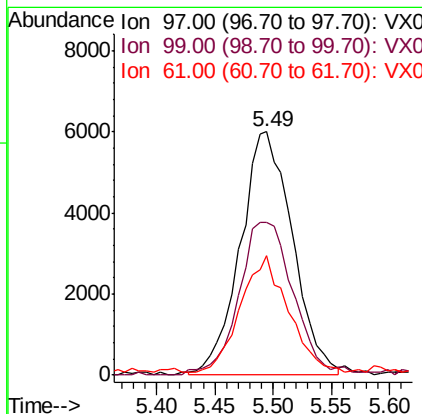
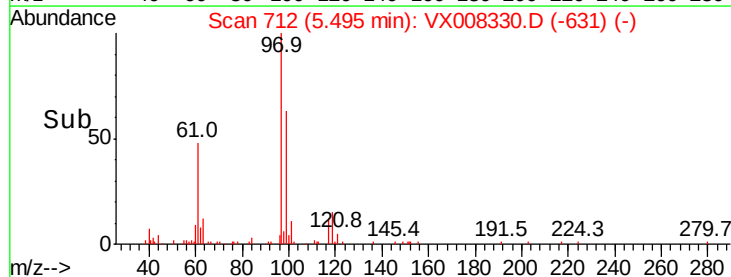
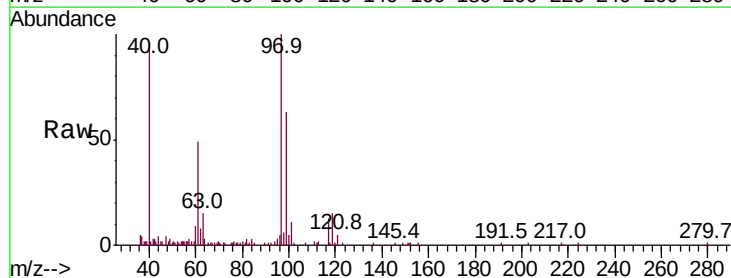
Tgt Ion: 97 Resp: 18679

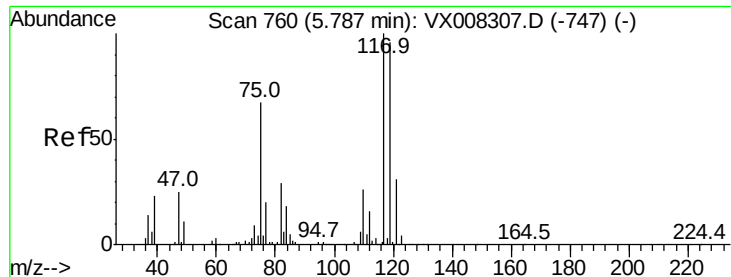
Ion Ratio Lower Upper

97 100

99 60.0 51.7 77.5

61 45.2 32.8 49.2





#33

Carbon Tetrachloride

Concen: 5.193 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

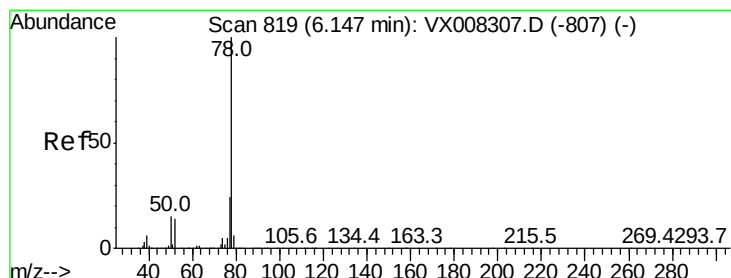
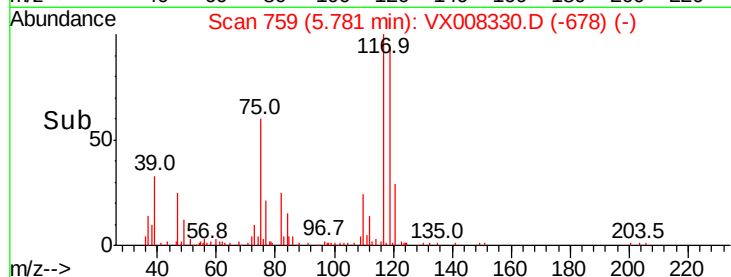
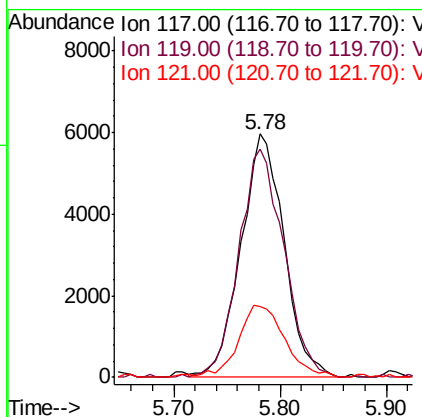
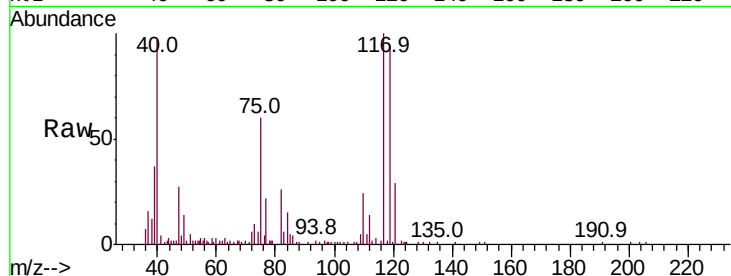
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.7	78.1	117.1
121	29.0	27.0	40.6

Manual Integrations
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#34

Benzene

Concen: 5.246 ug/l

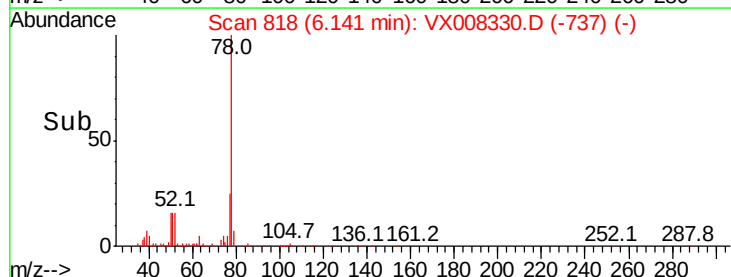
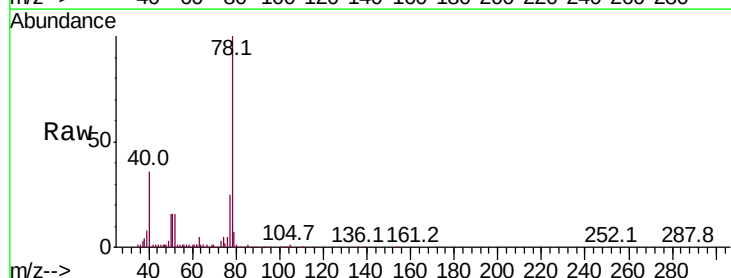
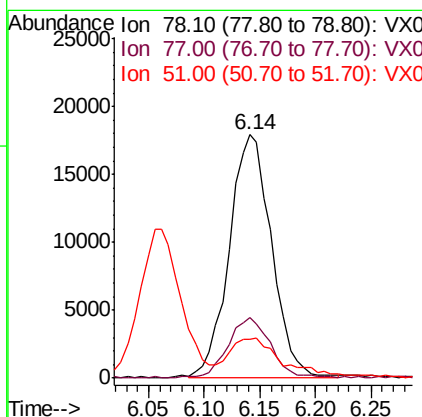
RT: 6.14 min Scan# 818

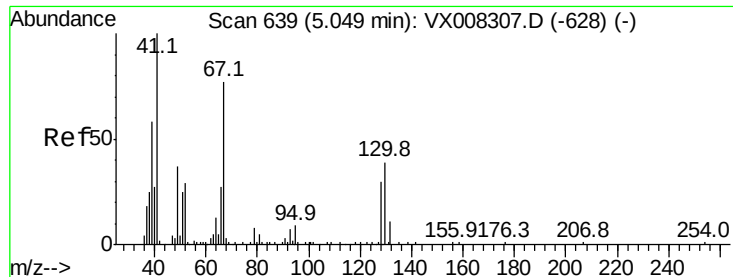
Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.1	28.7
51	14.5	10.8	16.2





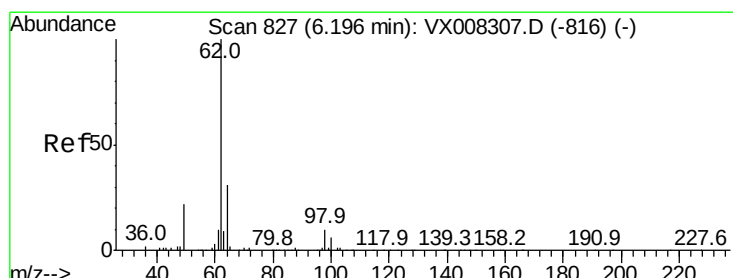
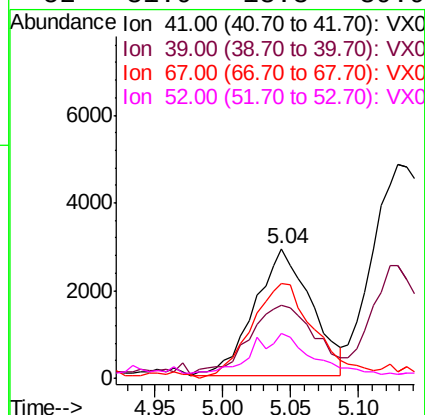
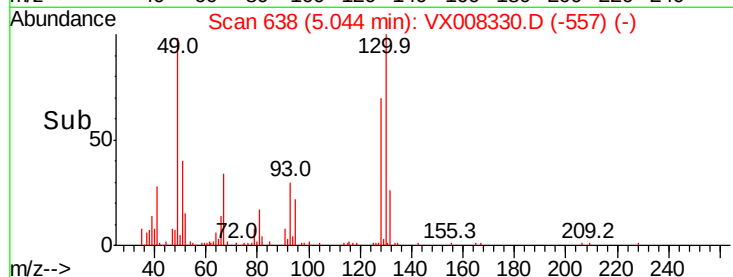
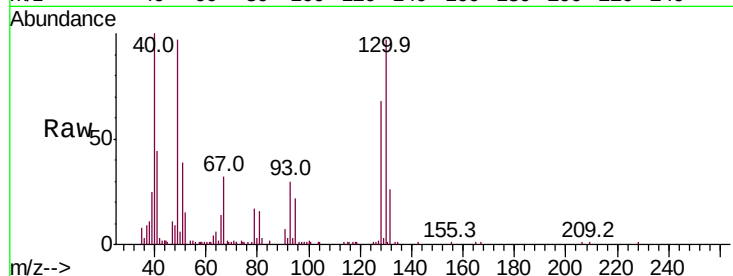
#35
Methacrylonitrile
Concen: 5.171 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	8410
Ion	Ratio	Lower	Upper
41	100		
39	54.9	27.4	82.0
67	72.4	37.9	113.6
52	31.9	13.3	39.9

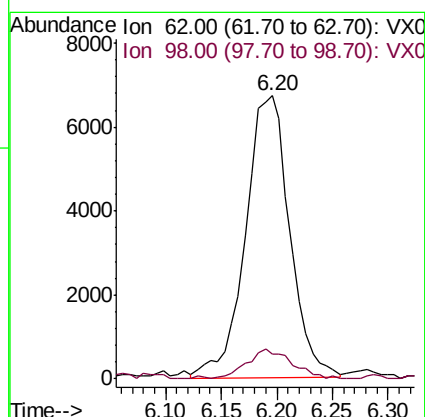
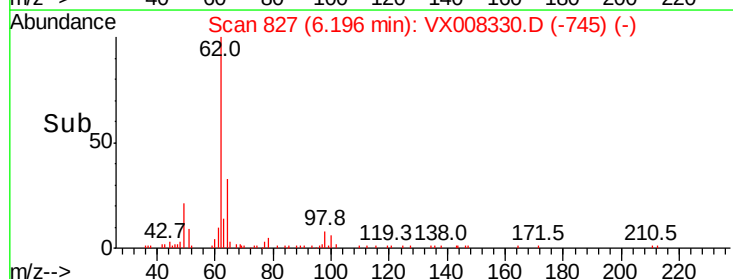
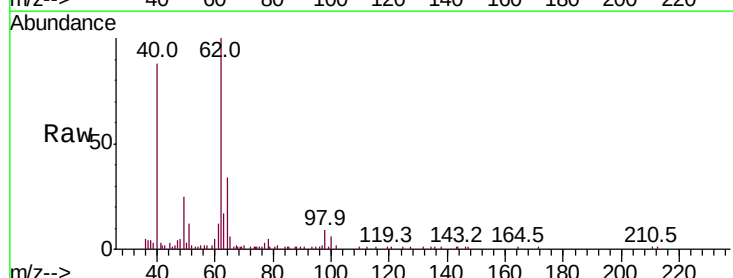
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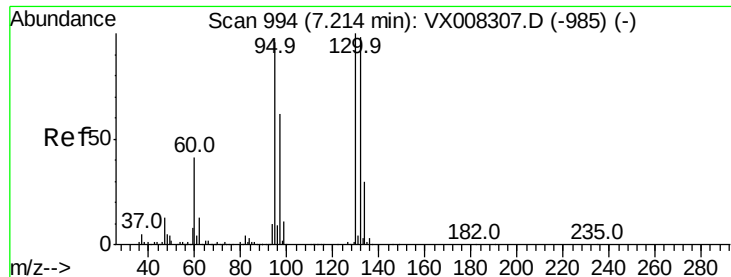
MMDadoda
3/23/2019 9:33:33 AM



#36
1,2-Dichloroethane
Concen: 5.579 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Tgt Ion:	62	Resp:	18568
Ion	Ratio	Lower	Upper
62	100		
98	6.4	7.8	11.8#





#37

Trichloroethene

Concen: 5.500 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:130 Resp: 14601

Ion Ratio Lower Upper

130 100

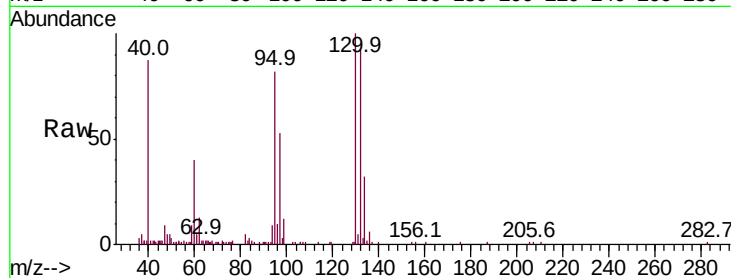
95 80.8 71.3 106.9

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): VX0

Ion 94.90 (94.60 to 95.60): VX0

7.21

8000

6000

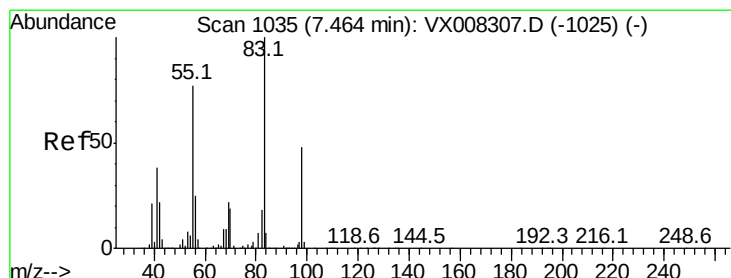
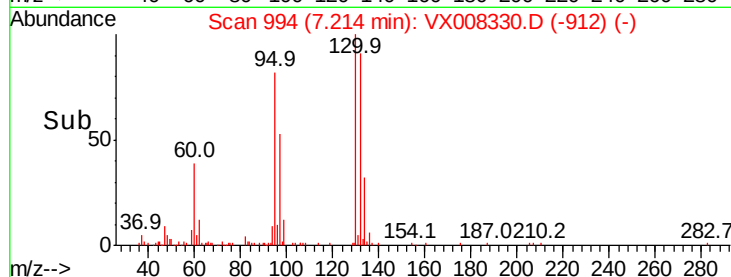
4000

2000

0

7.10 7.15 7.20 7.25 7.30

Time-->



#38

Methylcyclohexane

Concen: 5.330 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

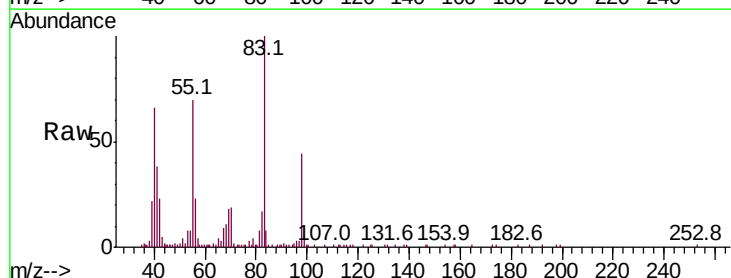
Tgt Ion: 83 Resp: 20251

Ion Ratio Lower Upper

83 100

55 73.9 36.0 108.0

98 48.8 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

12000

10000

8000

6000

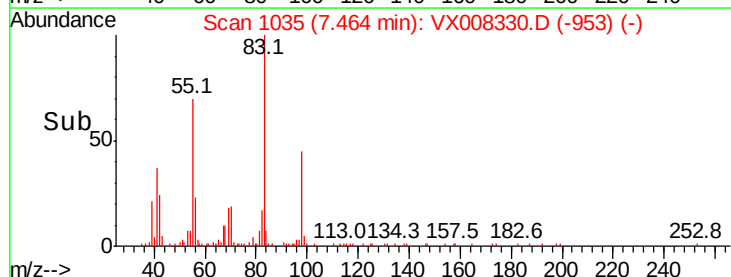
4000

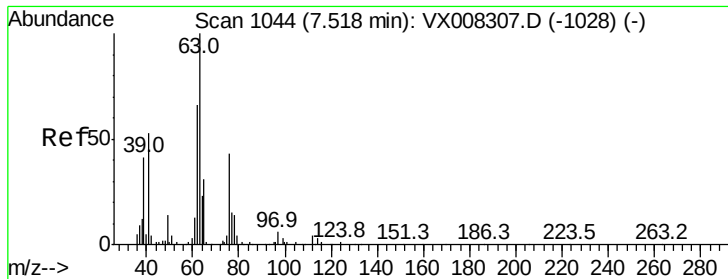
2000

0

7.40 7.45 7.50

Time-->





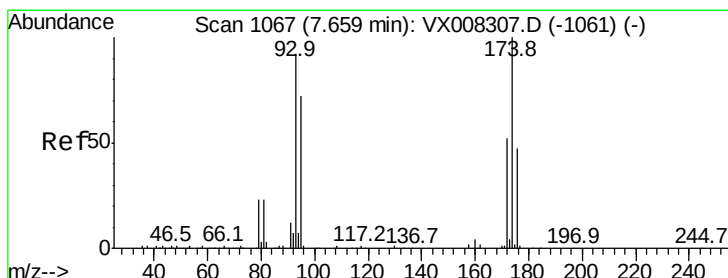
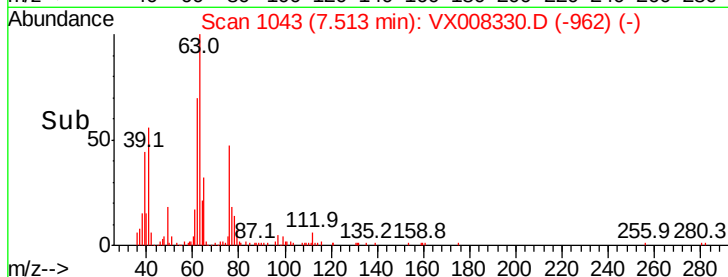
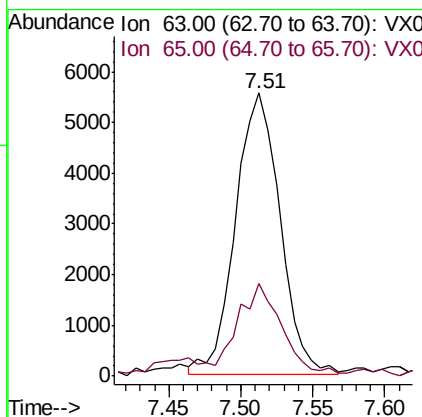
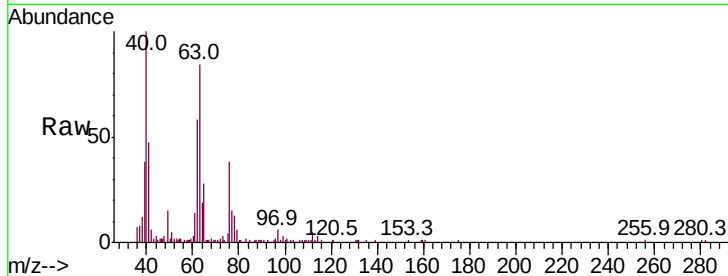
#39
 1,2-Dichloropropane
 Concen: 5.224 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	24.6	37.0

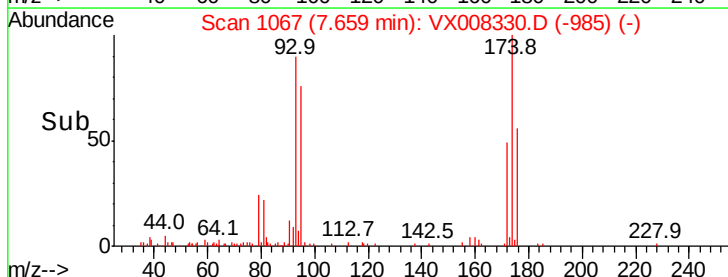
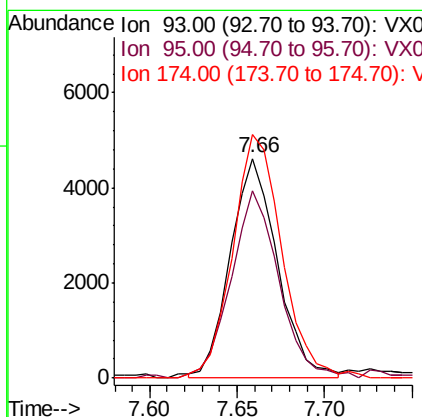
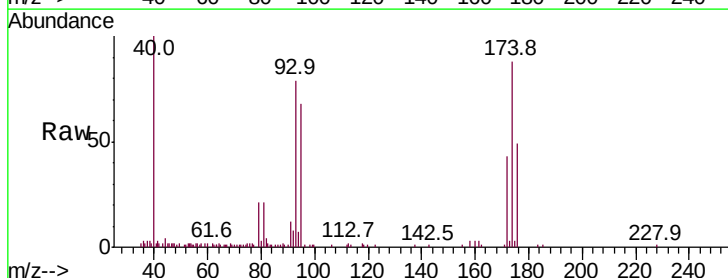
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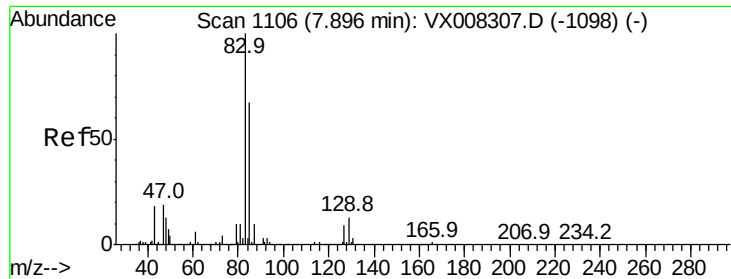
MMDadoda
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#40
 Dibromomethane
 Concen: 5.142 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.4	0.0	158.8
174	114.4	0.0	224.2





#41

Bromodichloromethane

Concen: 5.027 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

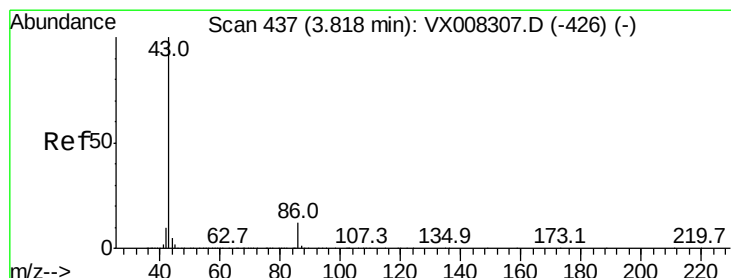
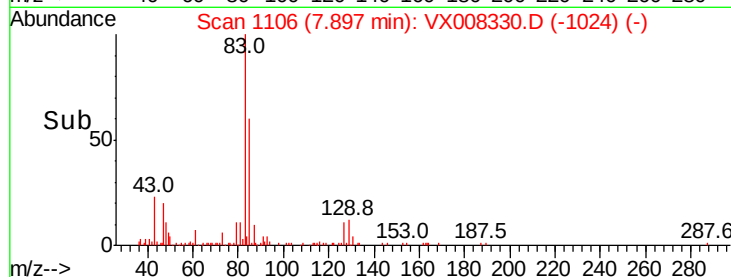
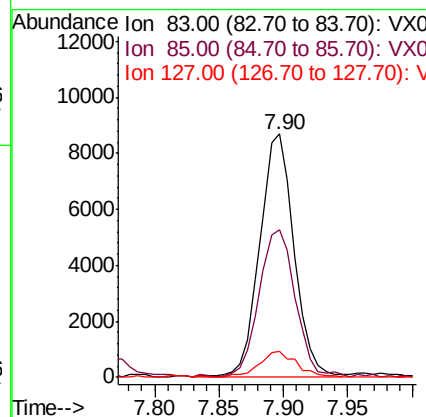
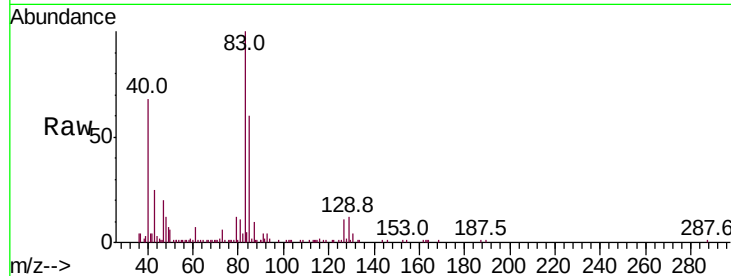
ClientSampleId :

VSTDIC005

Tot Ion	83	Resp	16075
Ion	Ratio	Lower	Upper
83	100		
85	60.5	51.1	76.7
127	12.7	7.2	10.8

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#42

Vinyl Acetate

Concen: 24.981 ug/l

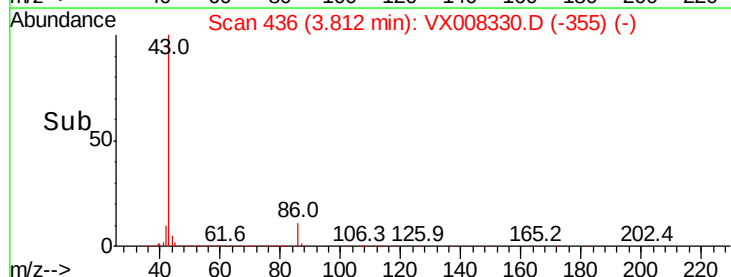
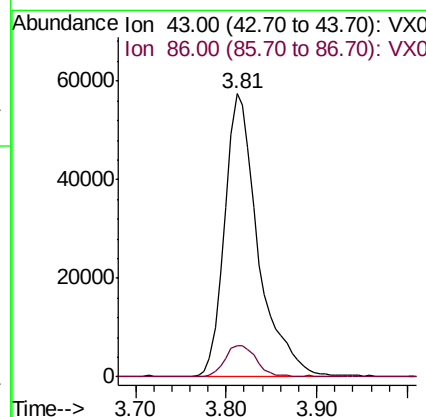
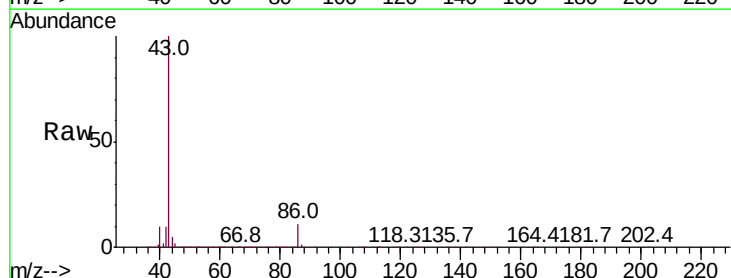
RT: 3.81 min Scan# 436

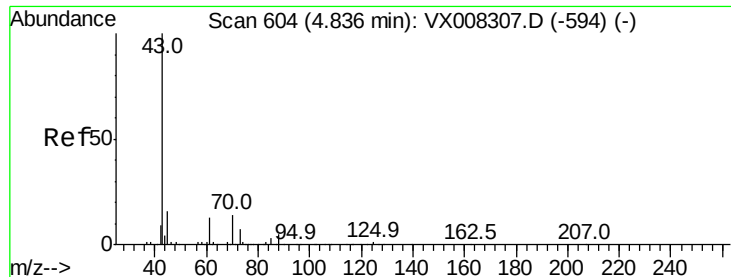
Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Tgt Ion	43	Resp	146604
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.2	12.2





#43

Ethyl Acetate

Concen: 5.270 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 16252

Ion Ratio Lower Upper

43 100

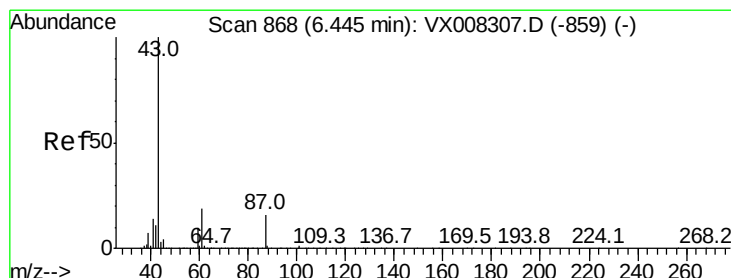
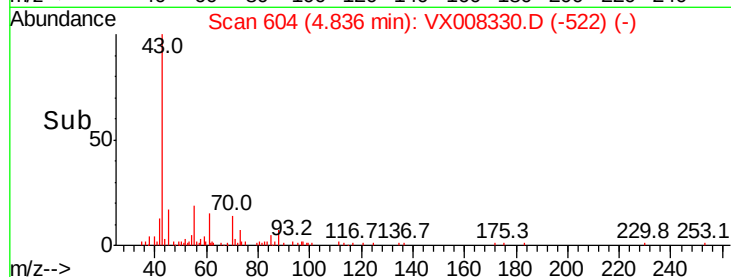
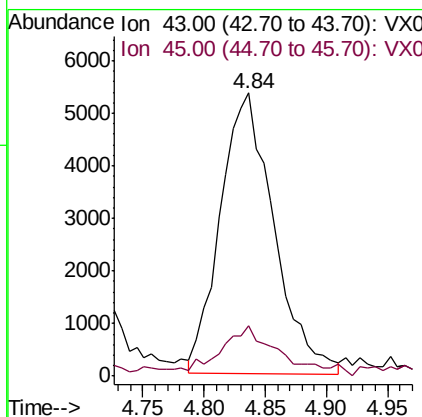
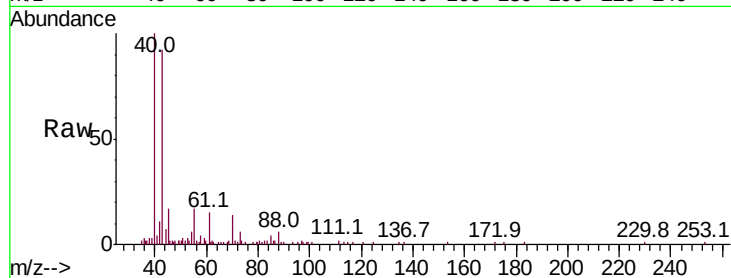
45 12.4 6.9 10.3#

Manual Integrations

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3/23/2019 9:33:33 AM



#44

Isopropyl Acetate

Concen: 4.934 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX008330.D

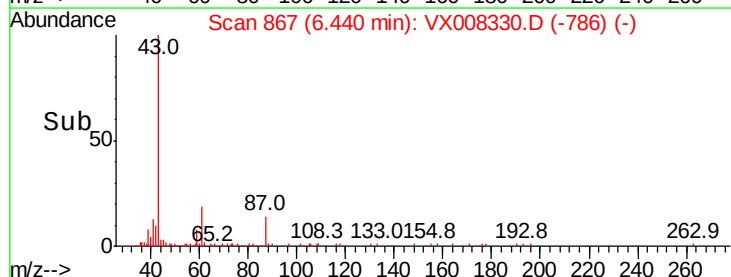
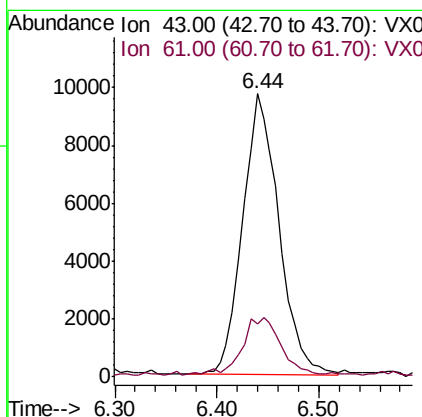
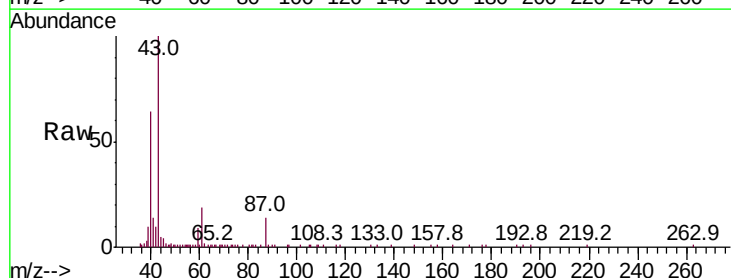
Acq: 22 Mar 2019 10:58

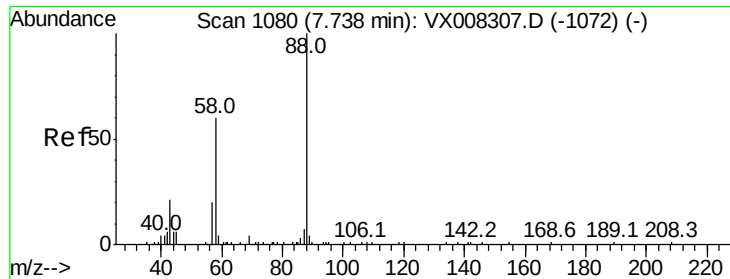
Tgt Ion: 43 Resp: 23932

Ion Ratio Lower Upper

43 100

61 8.5 16.1 24.1#





#45

1,4-Dioxane

Concen: 104.840 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

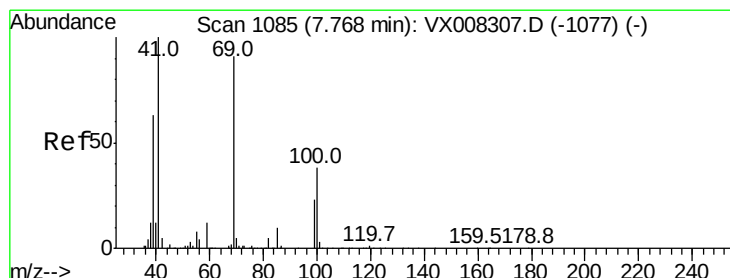
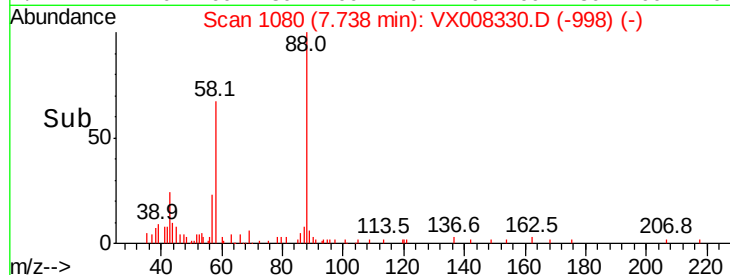
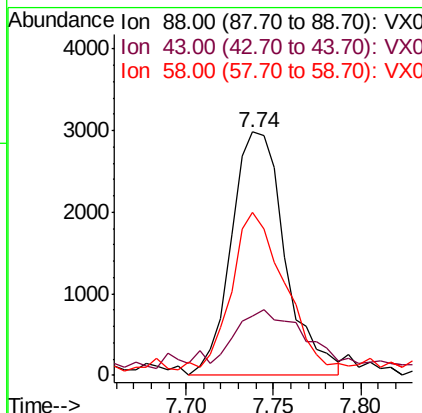
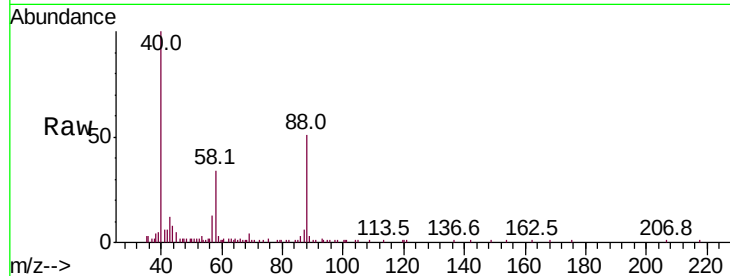
ClientSampleId :

VSTDIC005

Tot Ion:	88	Resp:	6396
Ion	Ratio	Lower	Upper
88	100		
43	18.1	23.6	35.4#
58	62.7	51.6	77.4

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



#46

Methyl methacrylate

Concen: 5.024 ug/l

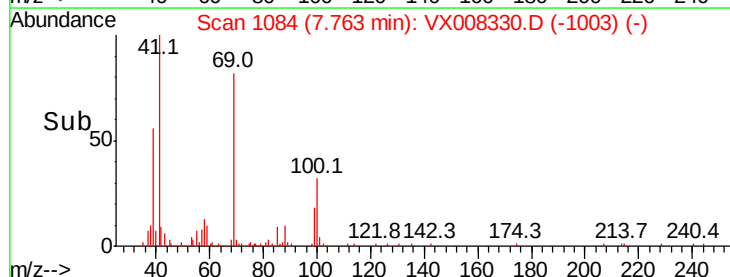
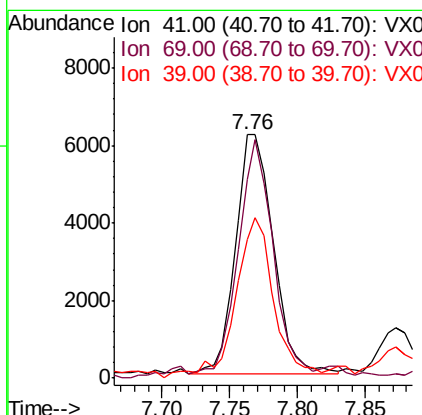
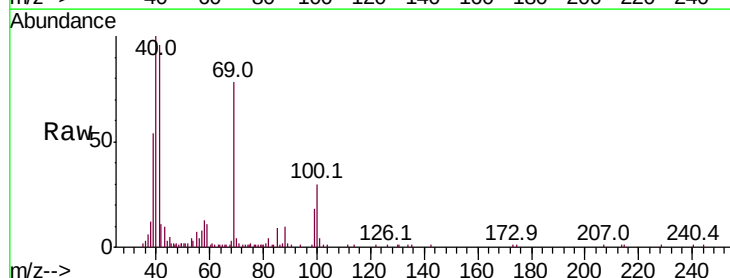
RT: 7.76 min Scan# 1084

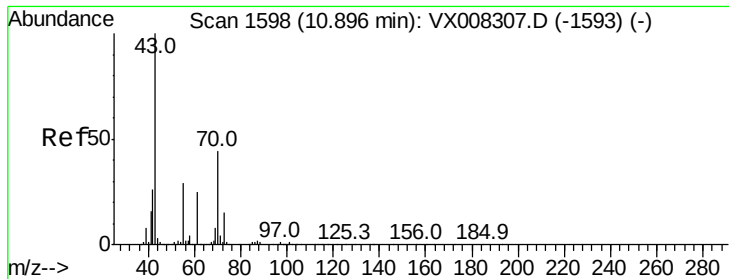
Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Tgt Ion:	41	Resp:	11957
Ion	Ratio	Lower	Upper
41	100		
69	80.9	44.2	132.6
39	55.2	29.9	89.8





#47

n-amvl Acetate

Concen: 4.530 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 18838

Ion Ratio Lower Upper

43 100

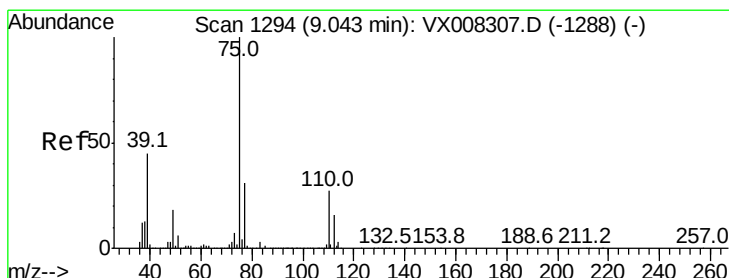
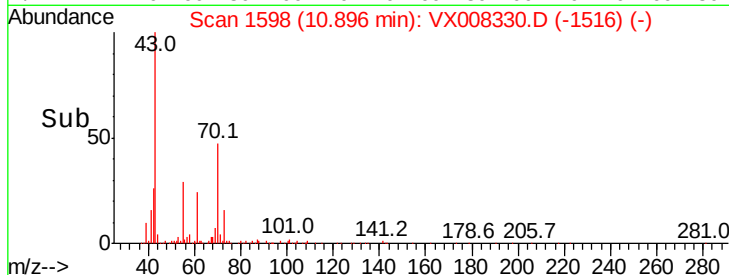
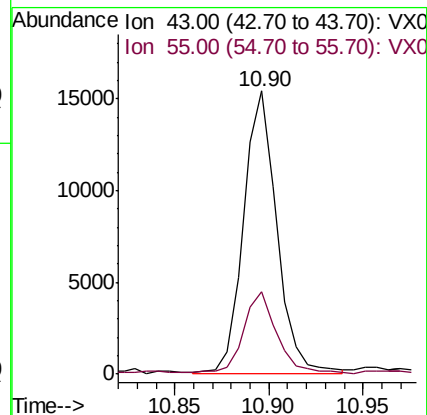
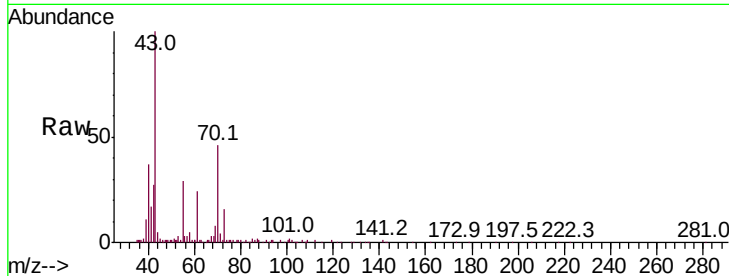
55 29.9 20.8 31.2

Manual Integrations

APPROVED

MMDadoda

3/23/2019 9:33:33 AM



#48

t-1,3-Dichloropropene

Concen: 4.540 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008330.D

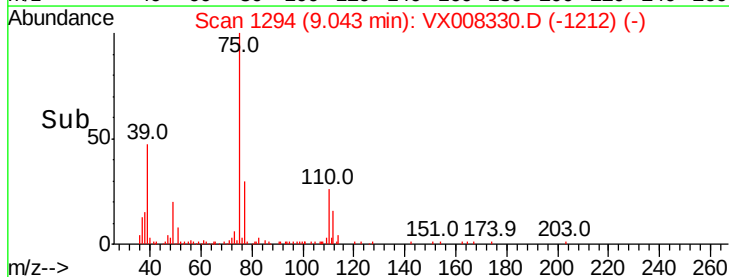
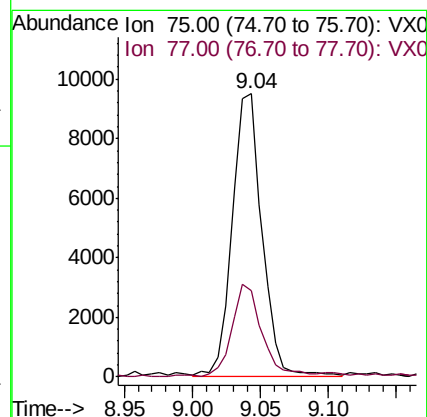
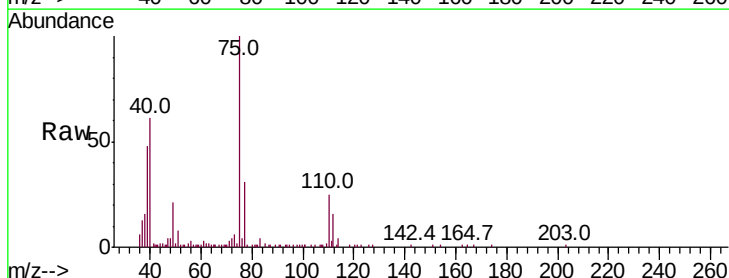
Acq: 22 Mar 2019 10:58

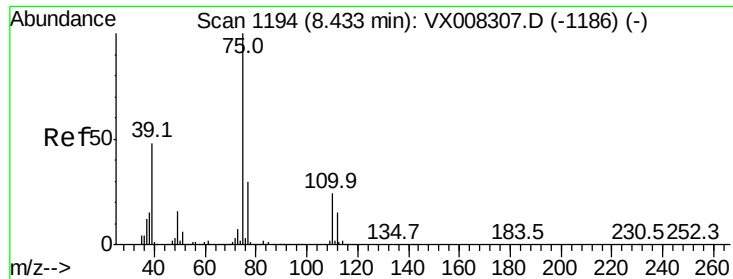
Tgt Ion: 75 Resp: 14536

Ion Ratio Lower Upper

75 100

77 30.2 24.5 36.7





#49

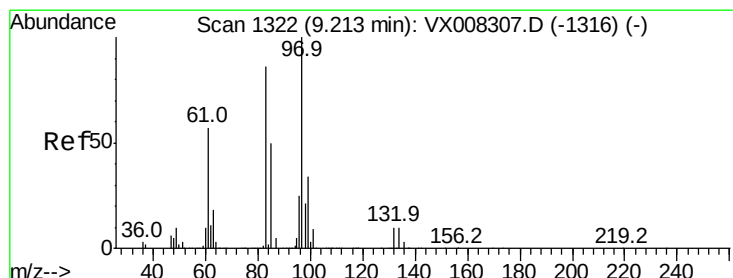
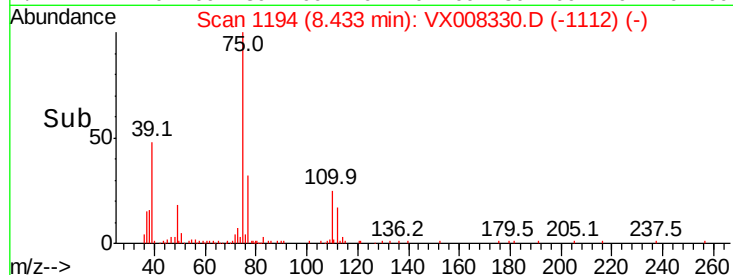
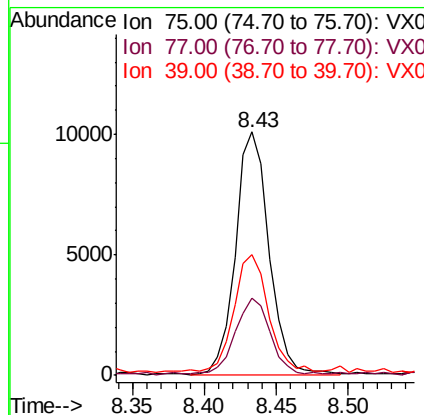
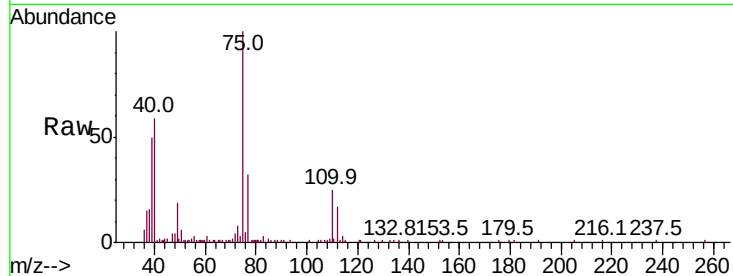
cis-1,3-Dichloropropene
Concen: 4.614 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.4
39	47.7	38.5	57.7

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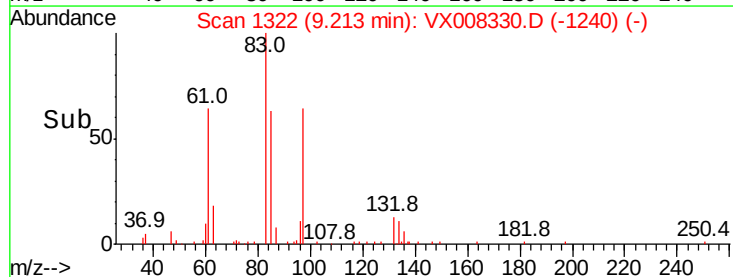
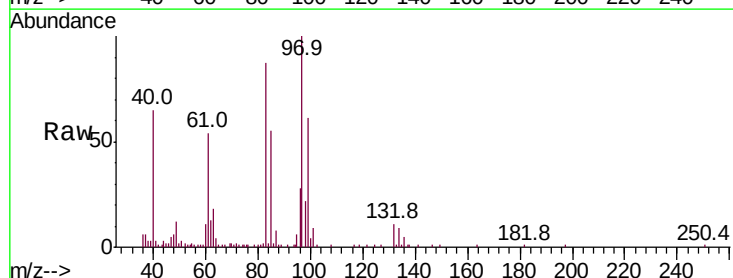
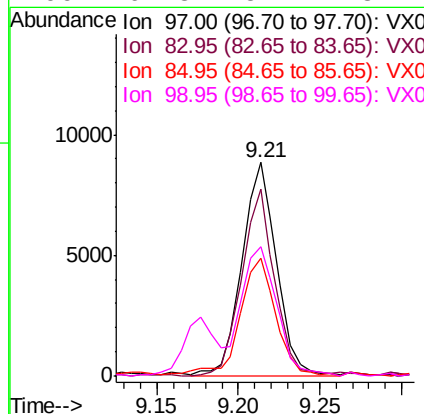
MMDadoda
3/23/2019 9:33:33 AM

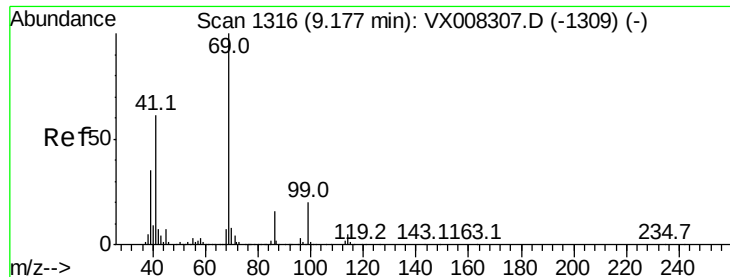


#50

1,1,2-Trichloroethane
Concen: 5.417 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.1	72.0	108.0
85	55.6	45.0	67.6
99	61.3	54.2	81.4





#51

Ethyl methacrylate

Concen: 4.466 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

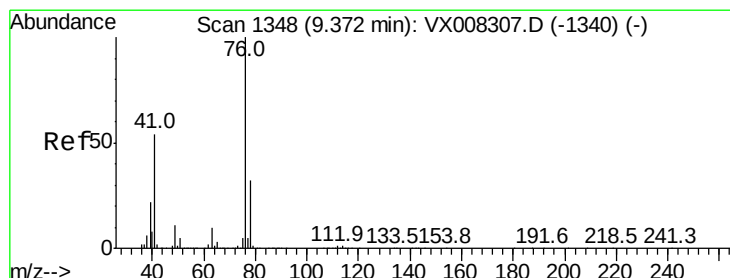
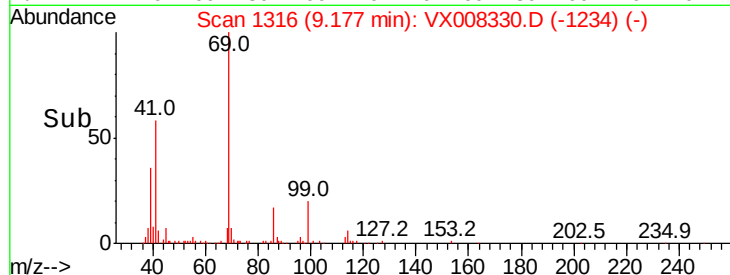
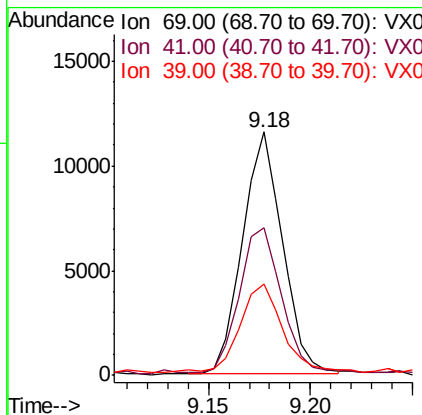
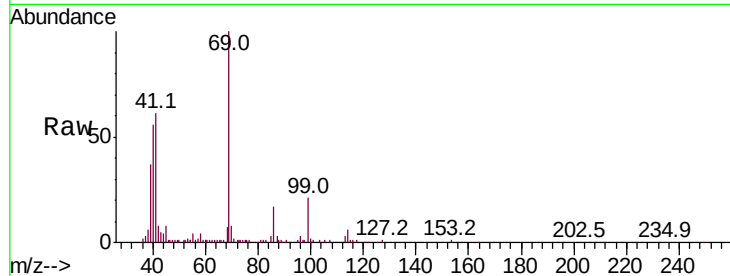
ClientSampleId :

VSTDIC005

Tot Ion:	69	Resp:	15784
Ion Ratio	Lower	Upper	
69	100		
41	60.0	32.1	96.5
39	35.7	18.8	56.3

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



#52

1,3-Dichloropropane

Concen: 5.332 ug/l

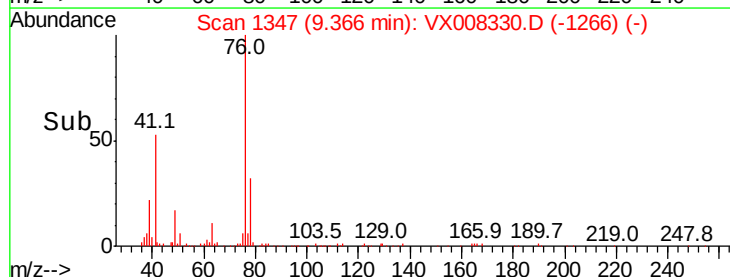
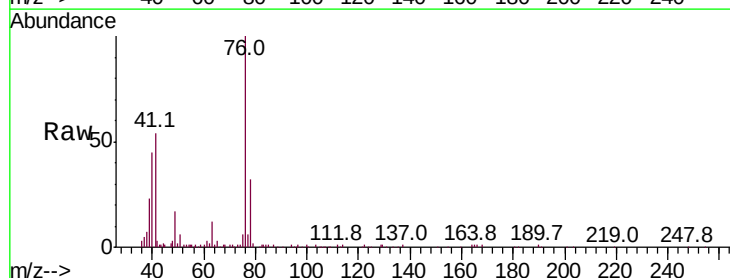
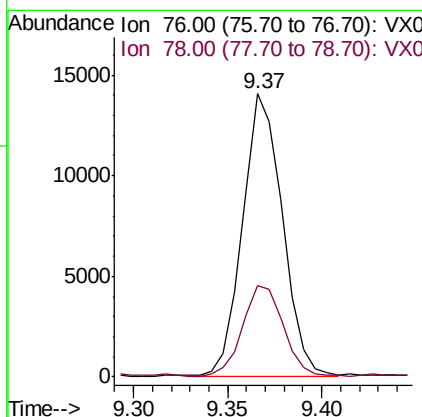
RT: 9.37 min Scan# 1347

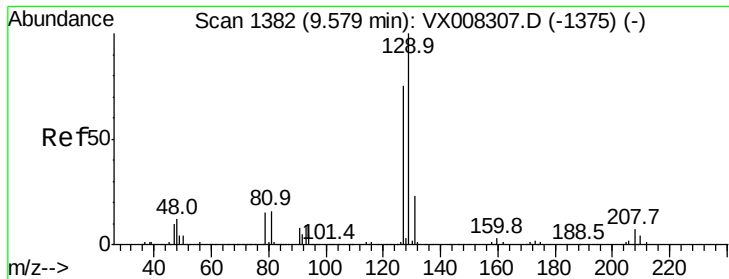
Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Tgt Ion:	76	Resp:	20704
Ion Ratio	Lower	Upper	
76	100		
78	33.2	0.0	65.2





#53

Dibromochloromethane

Concen: 4.776 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:129 Resp: 13035

Ion Ratio Lower Upper

129 100

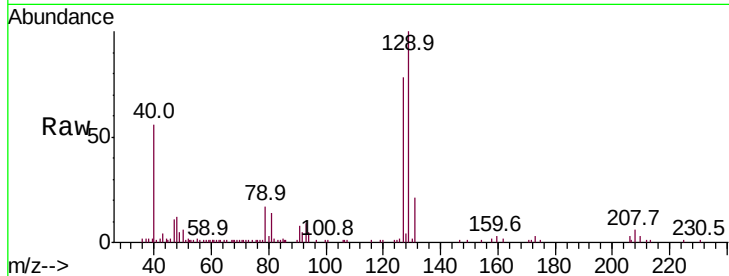
127 79.6 38.4 115.2

Manual Integrations

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3/23/2019 9:33:33 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

9.58

10000

8000

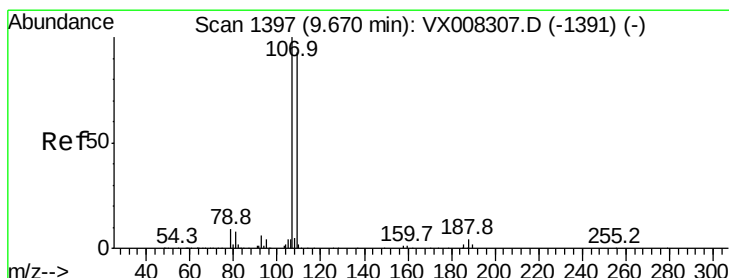
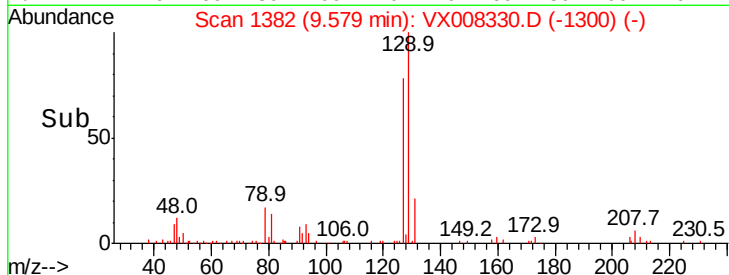
6000

4000

2000

0

Time--> 9.50 9.55 9.60 9.65



#54

1,2-Dibromoethane

Concen: 5.172 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008330.D

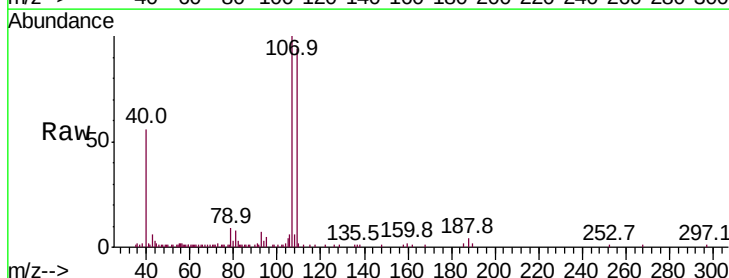
Acq: 22 Mar 2019 10:58

Tgt Ion:107 Resp: 13738

Ion Ratio Lower Upper

107 100

109 94.4 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.67

10000

8000

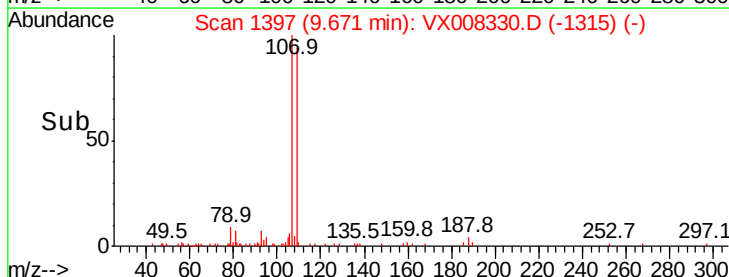
6000

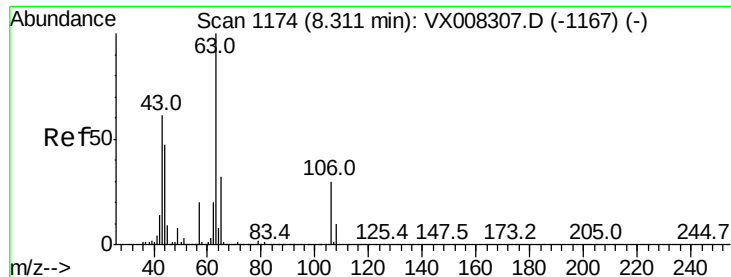
4000

2000

0

Time--> 9.60 9.65 9.70





#55

2-Chloroethyl vinyl ether

Concen: 24.085 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

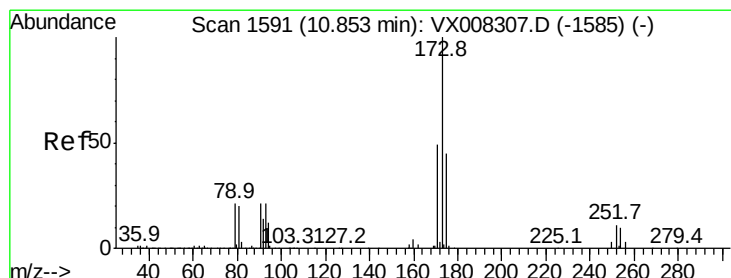
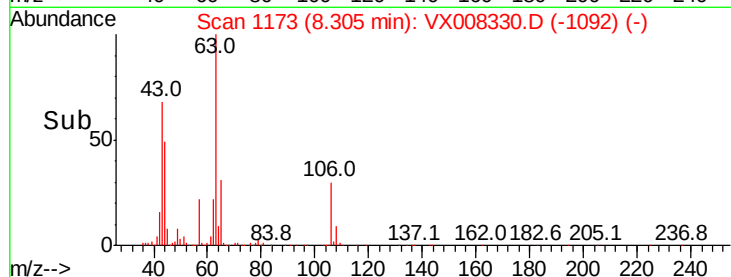
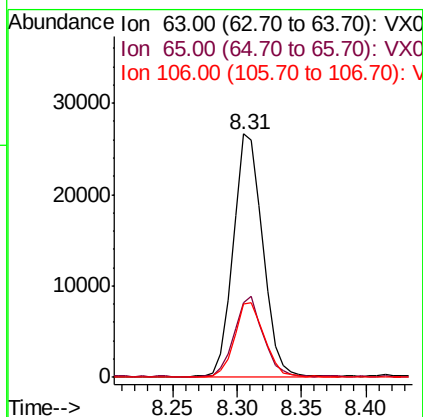
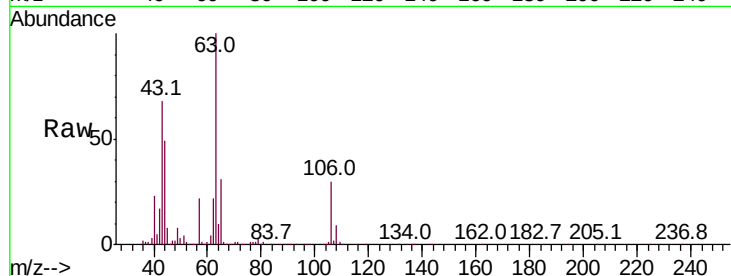
ClientSampleId :

VSTDIC005

Tot Ion:	63	Resp:	42828
Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.7	38.5
106	30.6	23.7	35.5

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



#56

Bromoform

Concen: 4.601 ug/l

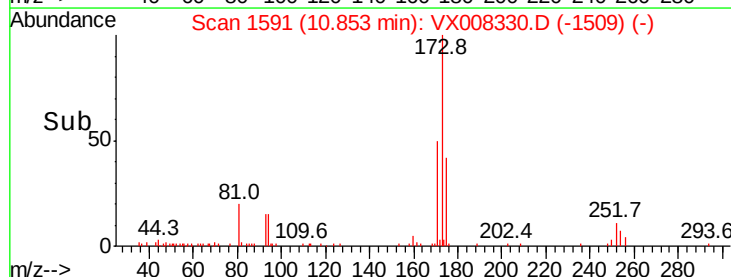
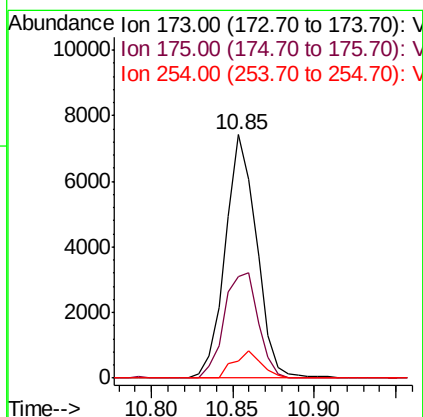
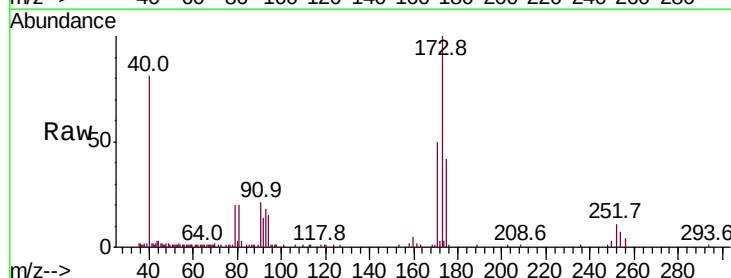
RT: 10.85 min Scan# 1591

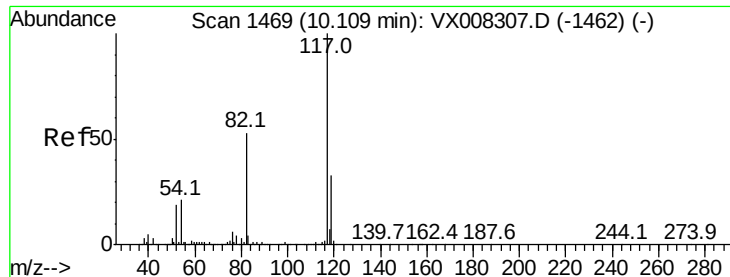
Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Tgt Ion:	173	Resp:	9912
Ion	Ratio	Lower	Upper
173	100		
175	46.8	38.5	57.7
254	9.8	7.4	11.2





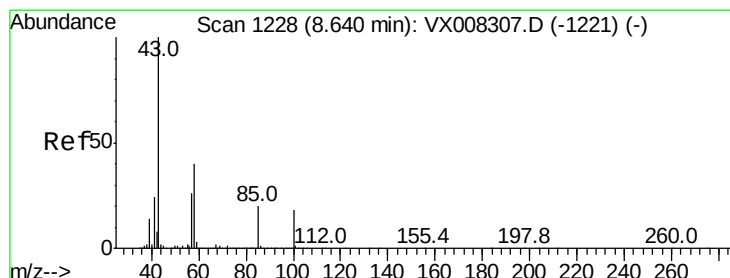
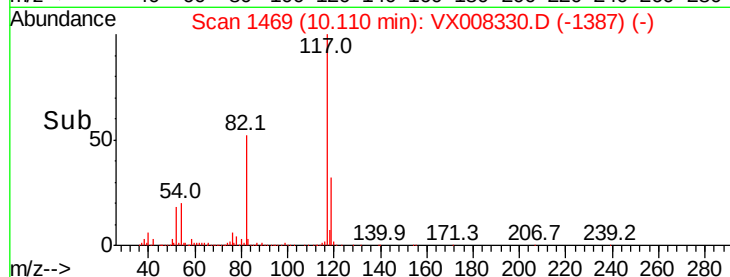
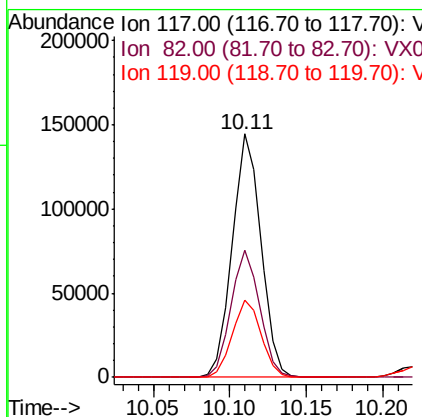
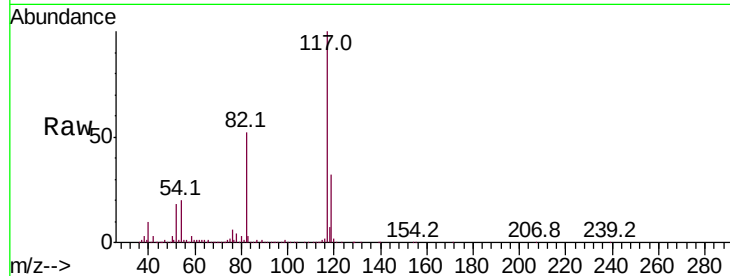
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	52.1	40.4	60.6
119	32.0	25.8	38.6

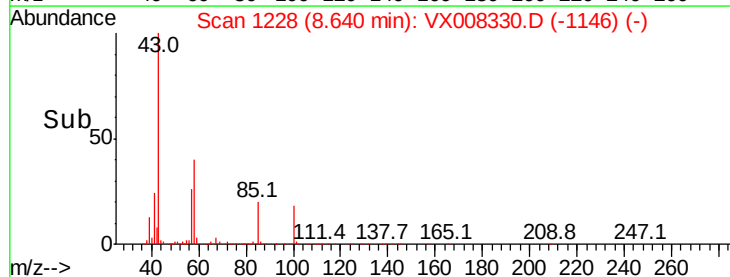
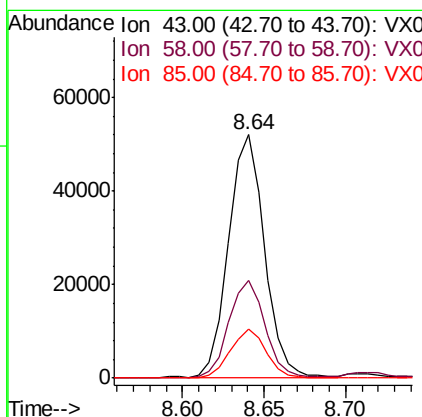
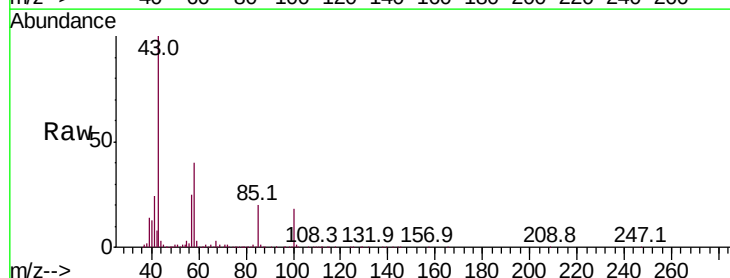
Manual Integrations
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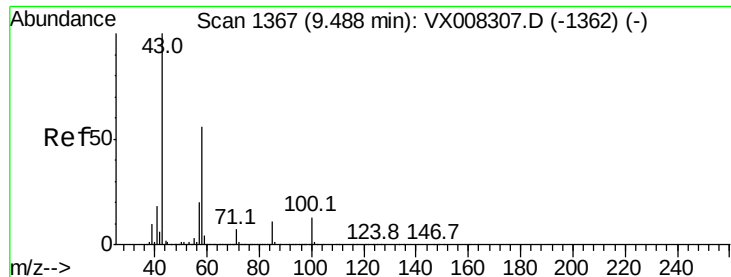
MMDadoda
3/23/2019 9:33:33 AM



#58
4-Methyl-2-Pentanone
Concen: 25.128 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
58	40.8	31.4	47.0
85	20.4	15.0	22.6





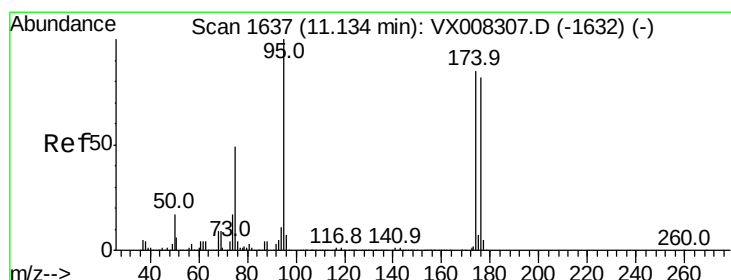
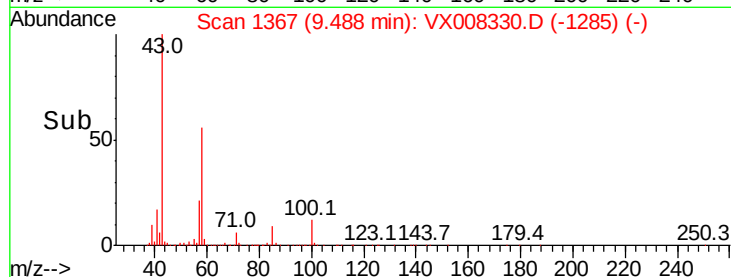
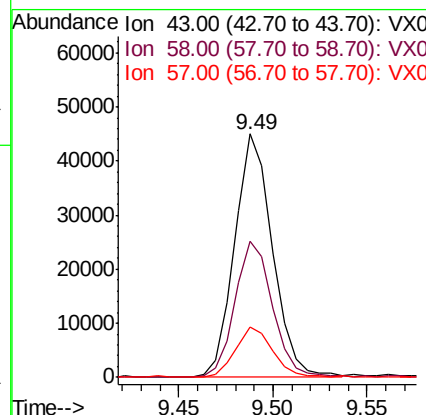
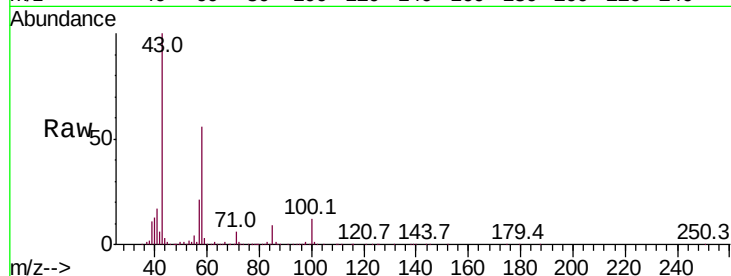
#59
2-Hexanone
Concen: 24.731 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.9	43.9	65.9
57	20.7	14.9	22.3

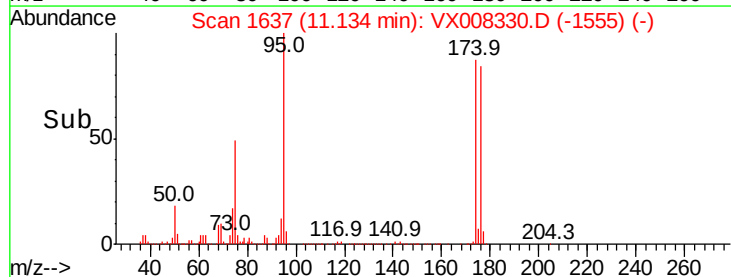
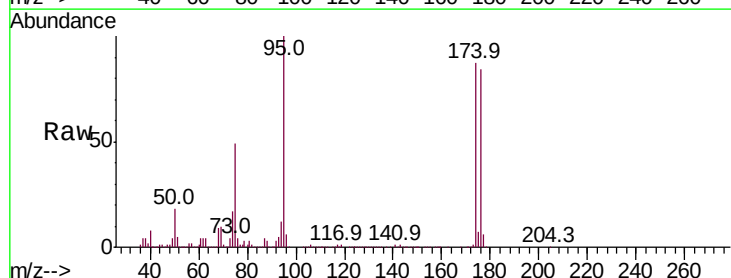
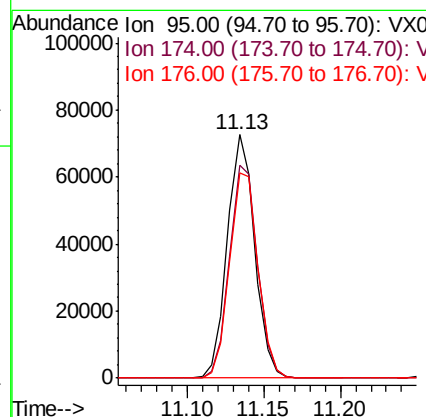
Manual Integrations
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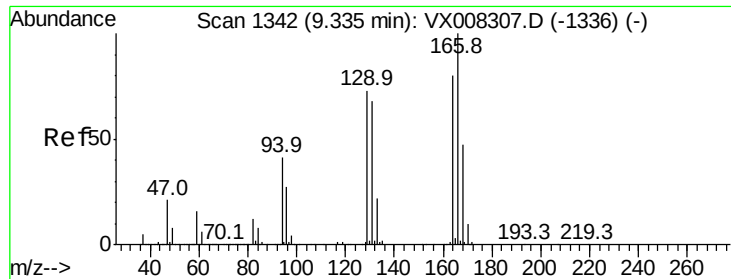
MMDadoda
3/23/2019 9:33:33 AM



#60
4-Bromofluorobenzene
Concen: 29.312 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.9	74.9	112.3
176	87.7	70.7	106.1





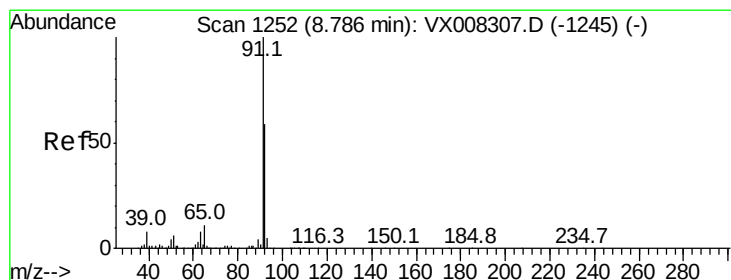
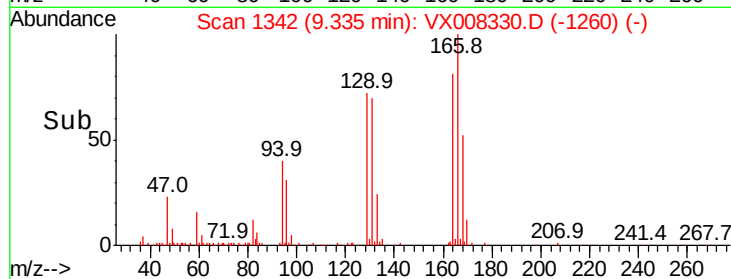
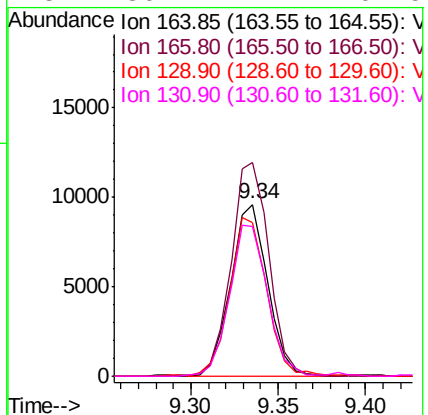
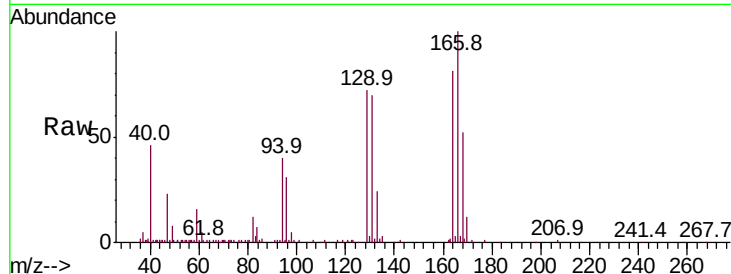
#61
Tetrachloroethene
Concen: 5.577 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
164	100		
166	124.1	103.9	155.9
129	89.5	74.7	112.1
131	86.2	71.7	107.5

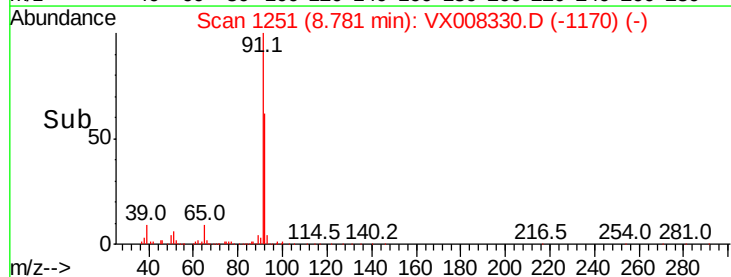
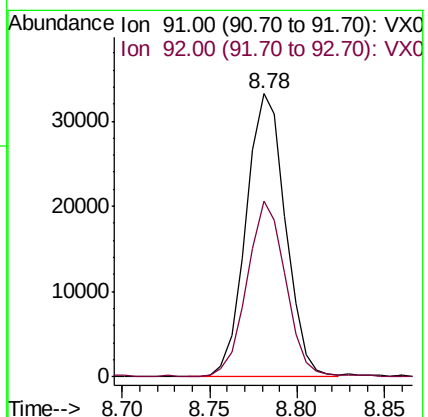
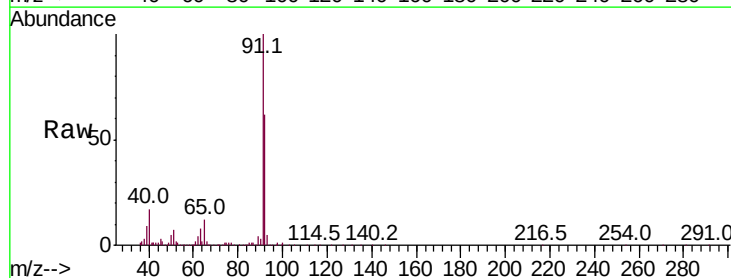
Manual Integrations
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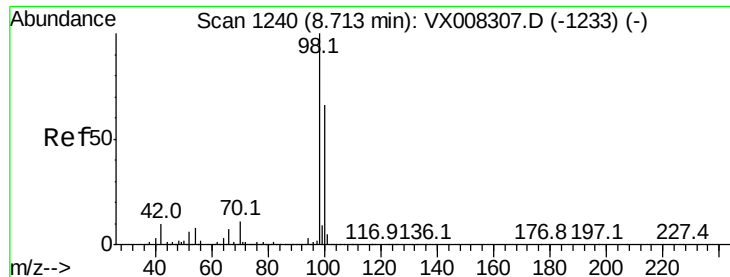
MMDadoda
3/23/2019 9:33:33 AM



#62
Toluene
Concen: 5.211 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.5	46.4	69.6





#63

Toluene-d8

Concen: 30.157 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 98 Resp: 256498

Ion Ratio Lower Upper

98 100

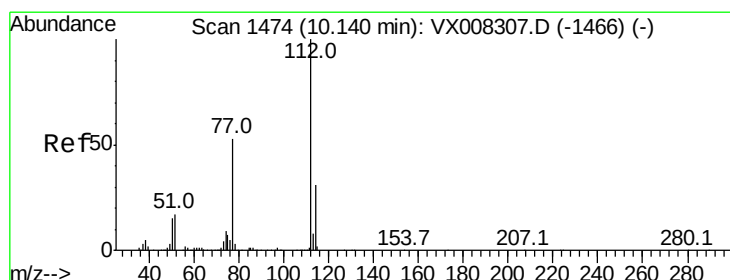
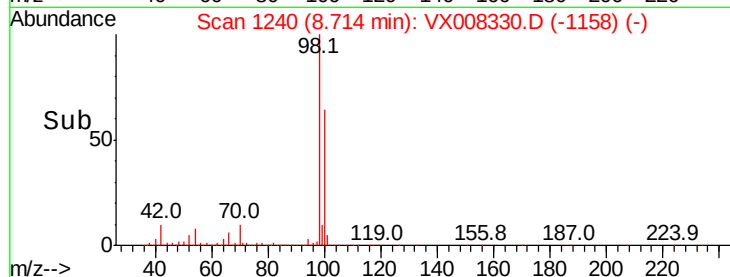
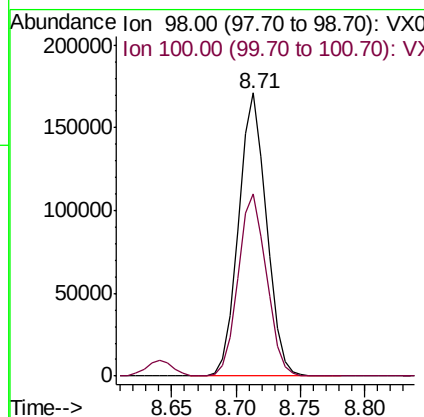
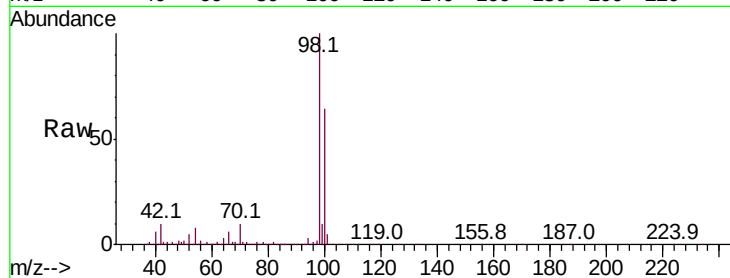
100 64.8 50.9 76.3

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#64

Chlorobenzene

Concen: 5.479 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX008330.D

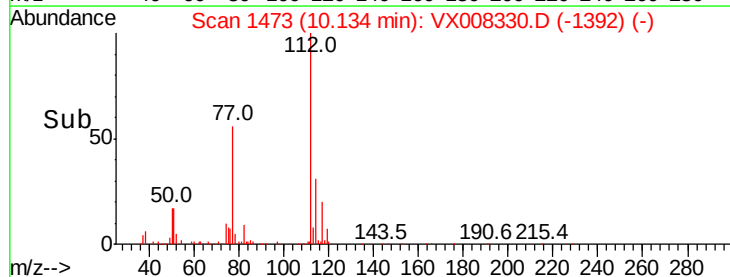
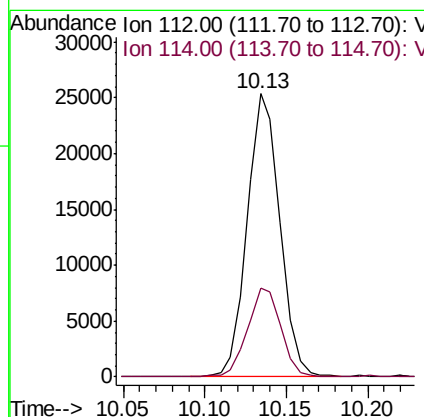
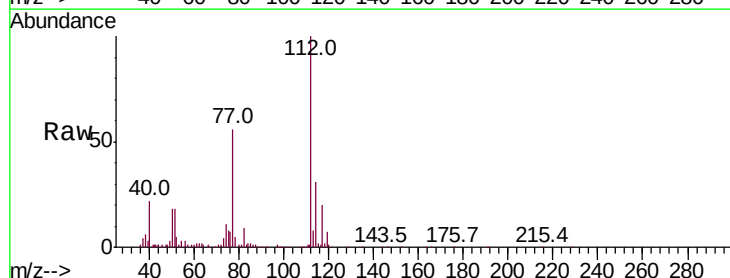
Acq: 22 Mar 2019 10:58

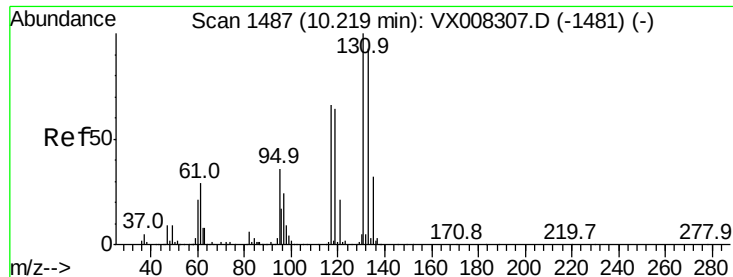
Tgt Ion: 112 Resp: 35394

Ion Ratio Lower Upper

112 100

114 31.3 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 5.010 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

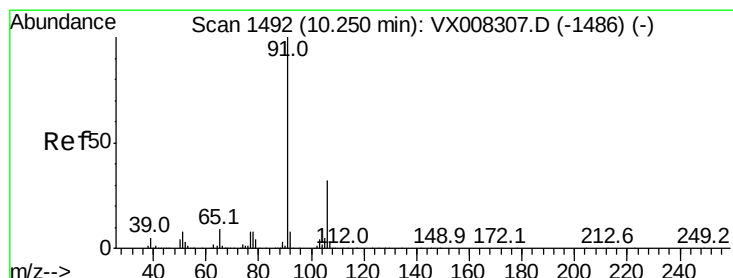
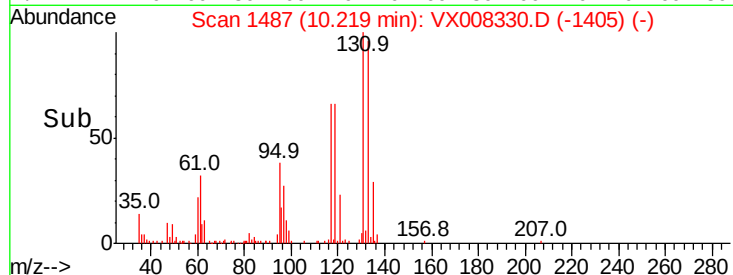
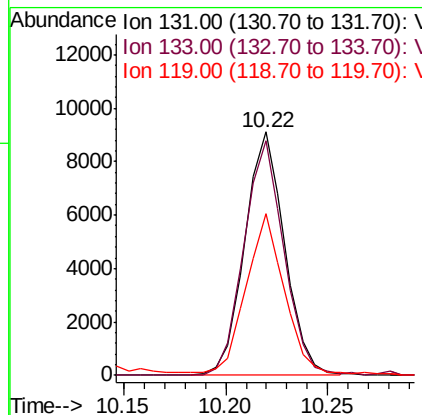
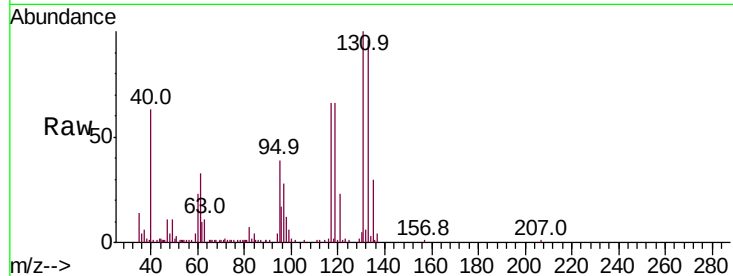
ClientSampleId :

VSTDIC005

Tot Ion:	131	Resp:	12360
Ion Ratio	Lower	Upper	
131	100		
133	96.3	0.0	191.6
119	63.2	0.0	127.4

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#66

Ethyl Benzene

Concen: 5.087 ug/l

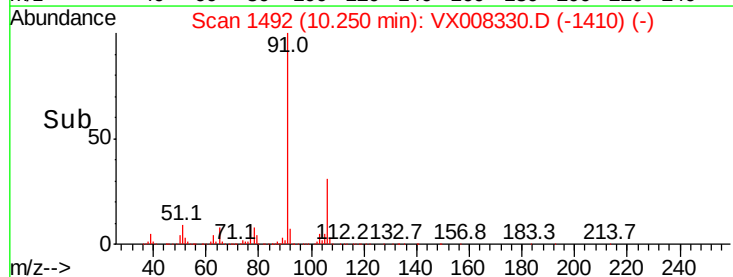
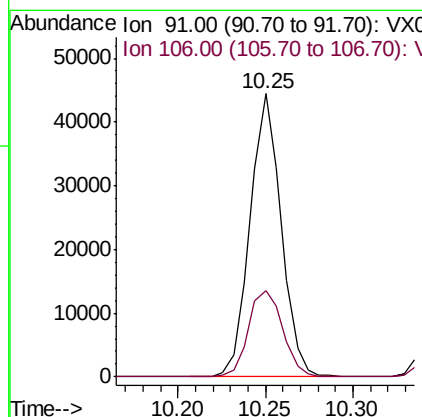
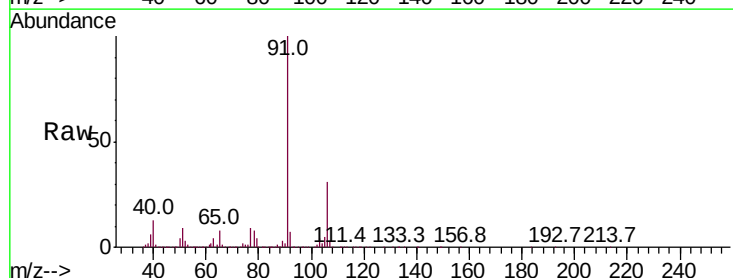
RT: 10.25 min Scan# 1492

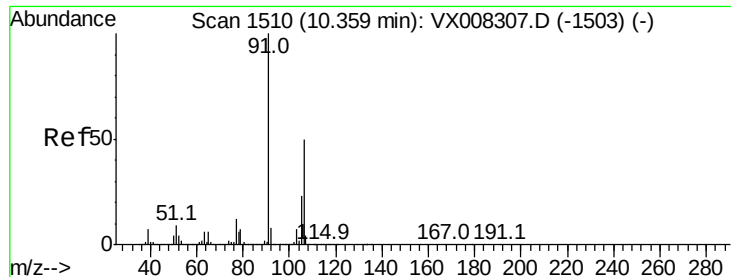
Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Tgt Ion:	91	Resp:	55125
Ion Ratio	Lower	Upper	
91	100		
106	30.6	26.0	39.0





#67

m/p-Xylenes

Concen: 10.291 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:106 Resp: 44323

Ion Ratio Lower Upper

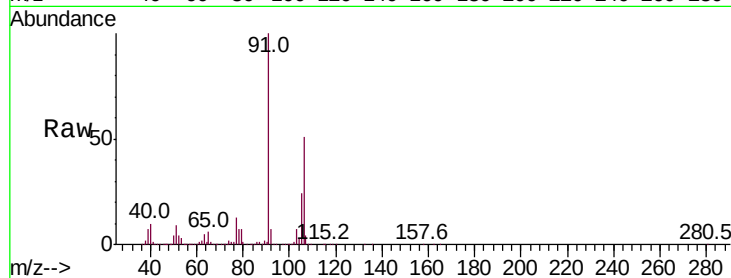
106 100

91 194.9 157.0 235.4

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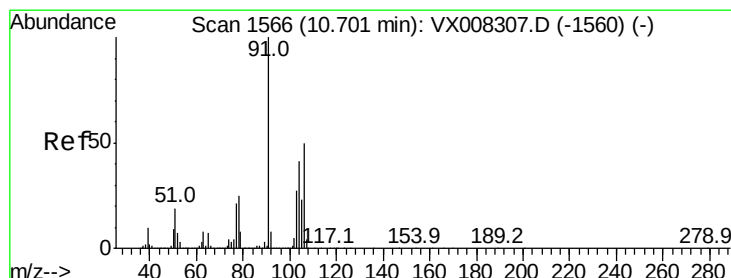
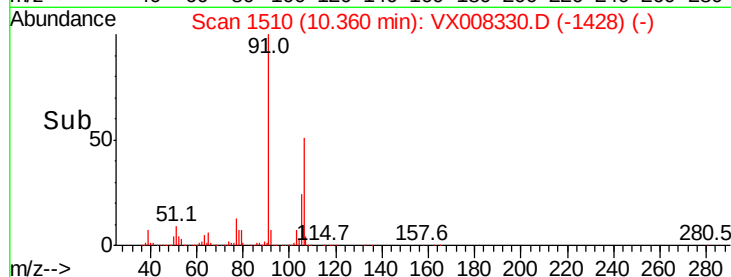
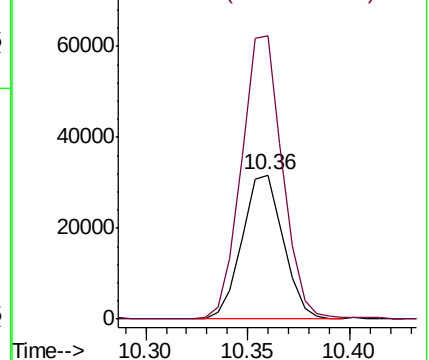
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 5.110 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VX008330.D

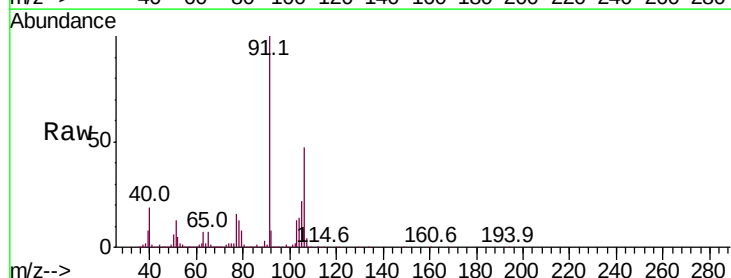
Acq: 22 Mar 2019 10:58

Tgt Ion:106 Resp: 21144

Ion Ratio Lower Upper

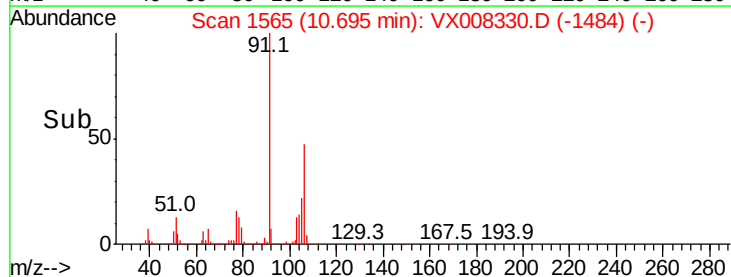
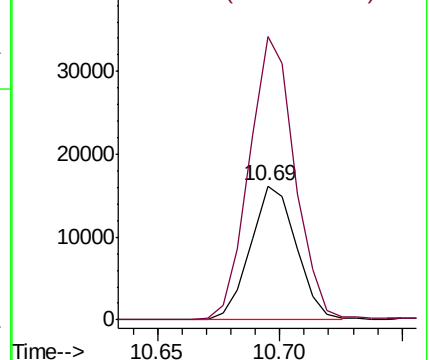
106 100

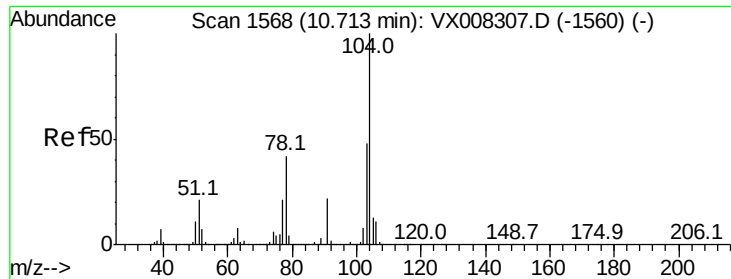
91 209.8 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





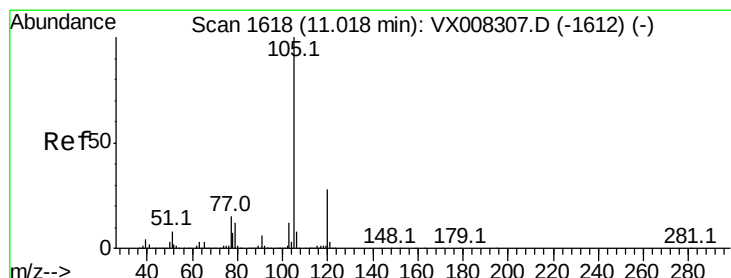
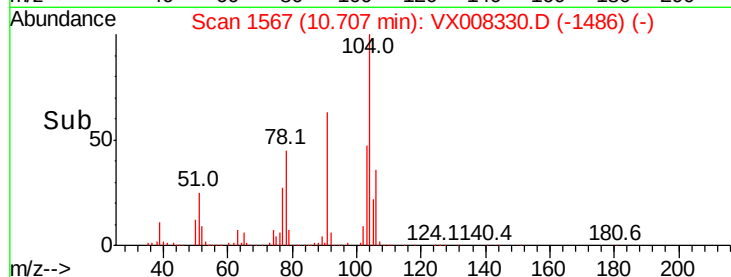
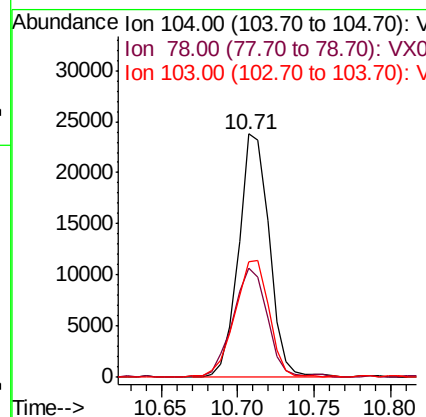
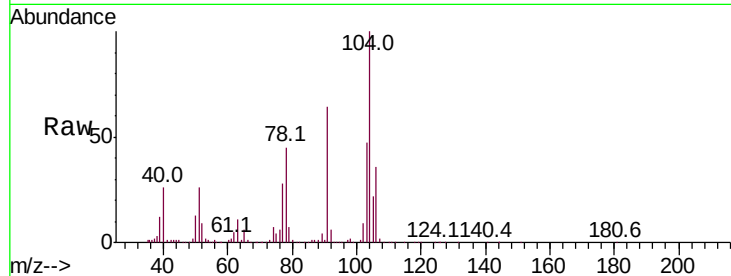
#69
Stvrene
Concen: 4.752 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.9	38.2	57.2
103	53.6	45.0	67.4

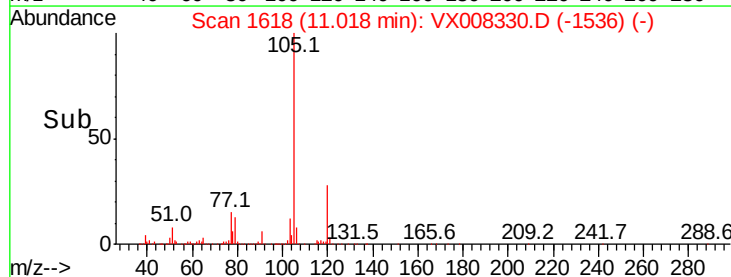
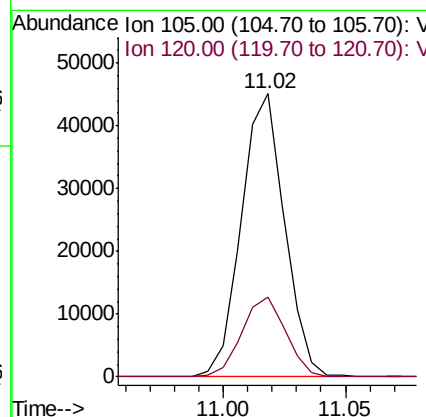
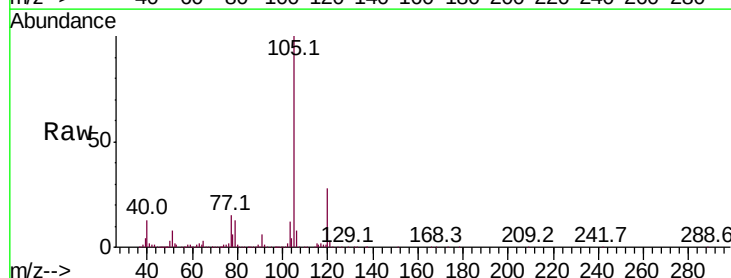
Manual Integrations
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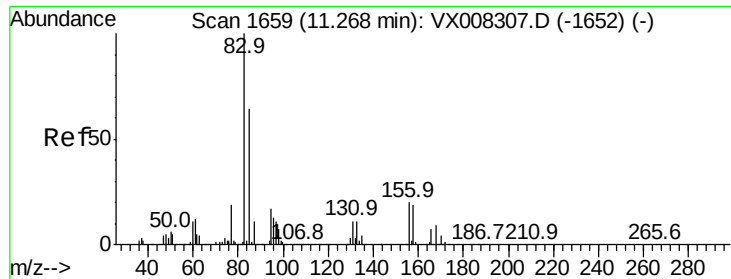
MMDadoda
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#70
Isopropylbenzene
Concen: 5.104 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.8	19.8	36.8





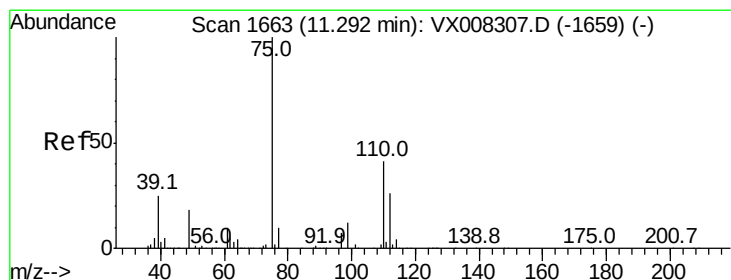
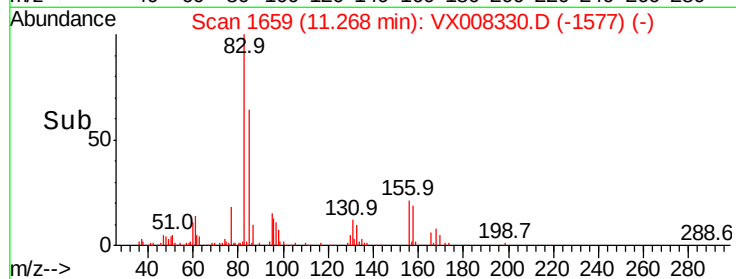
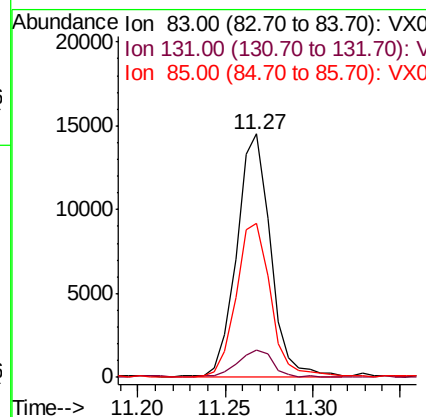
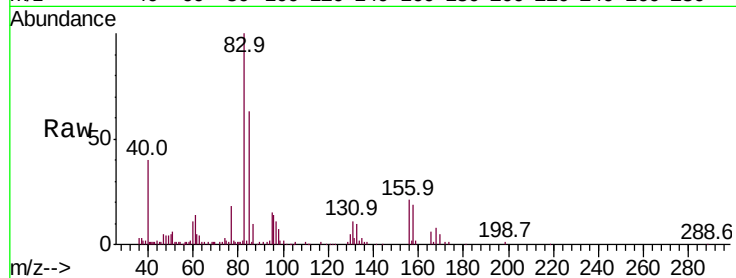
#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.294 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	83	Resp	19652
Ion Ratio	100	Lower	Upper
83	100		
131	11.5	5.4	16.2
85	64.7	32.8	98.4

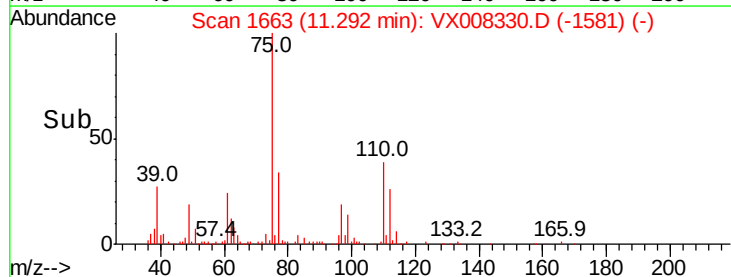
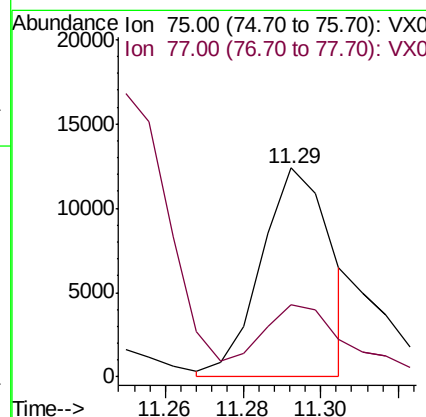
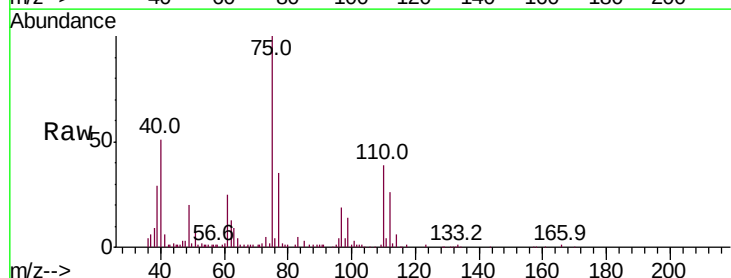
Manual Integrations
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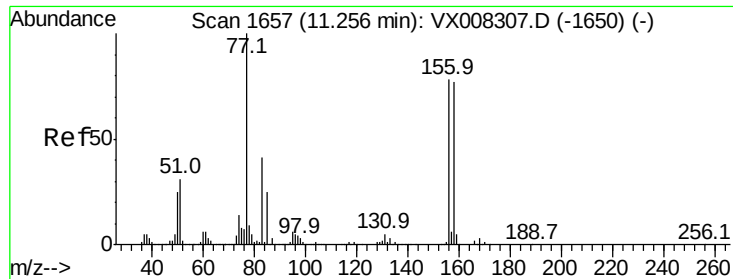
MMDadoda
 3/23/2019 9:33:33 AM



#72
 1,2,3-Trichloropropane
 Concen: 4.974 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

Tgt Ion	75	Resp	15412
Ion Ratio	100	Lower	Upper
75	100		
77	43.8	0.0	76.4





#73

Bromobenzene

Concen: 5.179 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 15599

Ion Ratio Lower Upper

156 100

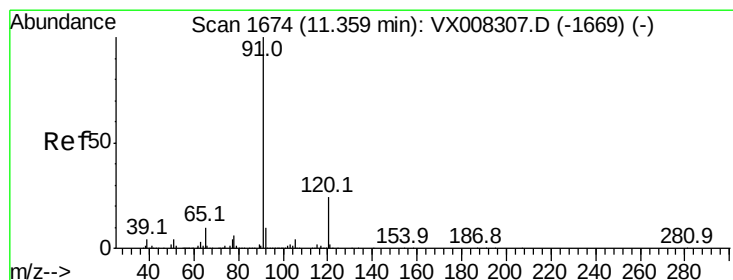
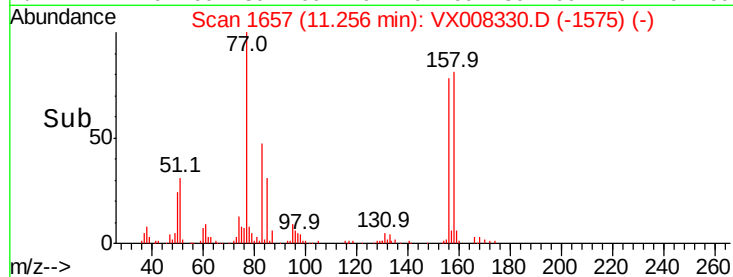
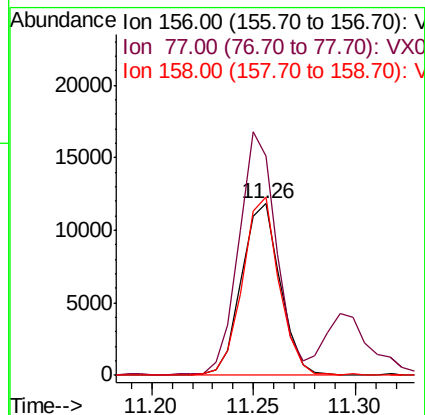
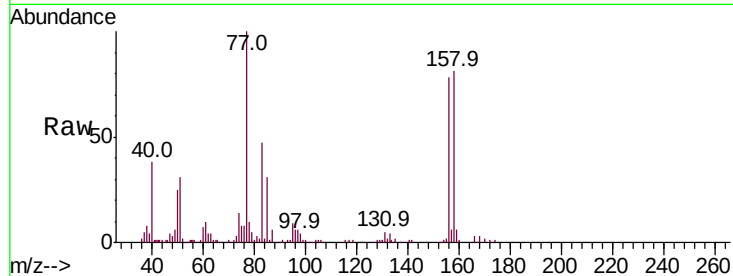
77 135.7 0.0 271.4

158 97.9 0.0 194.0

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#74

n-propylbenzene

Concen: 5.094 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008330.D

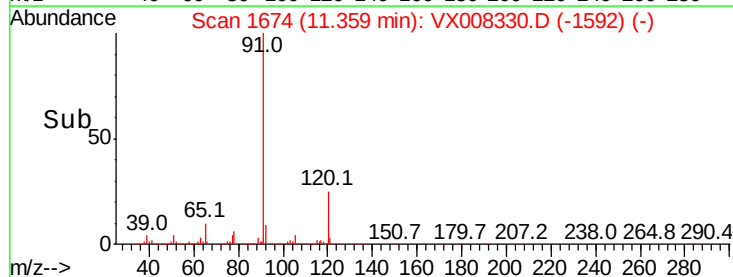
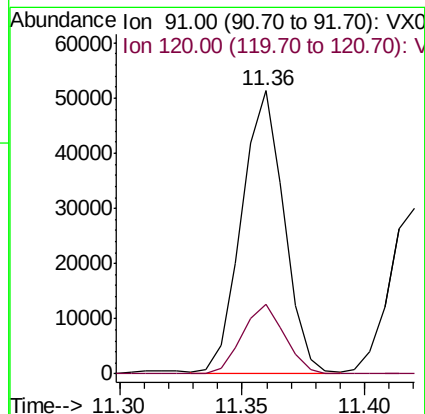
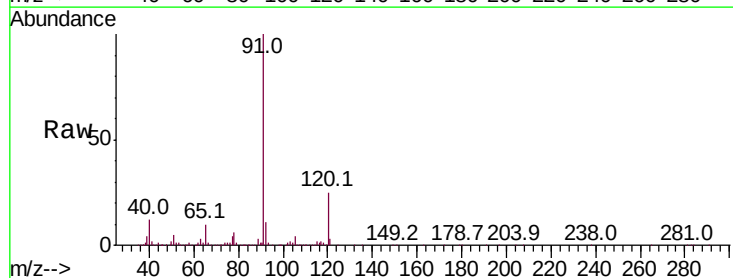
Acq: 22 Mar 2019 10:58

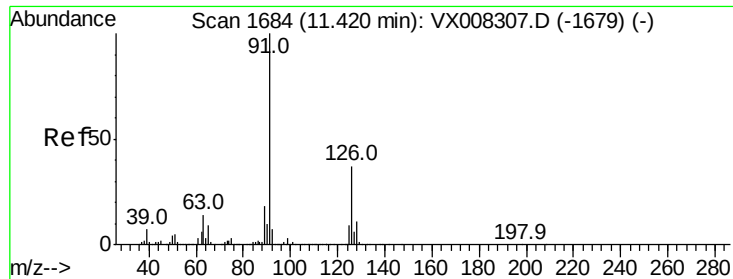
Tgt Ion: 91 Resp: 61814

Ion Ratio Lower Upper

91 100

120 24.8 0.0 48.6





#75

2-Chlorotoluene

Concen: 5.220 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 37829

Ion Ratio Lower Upper

91 100

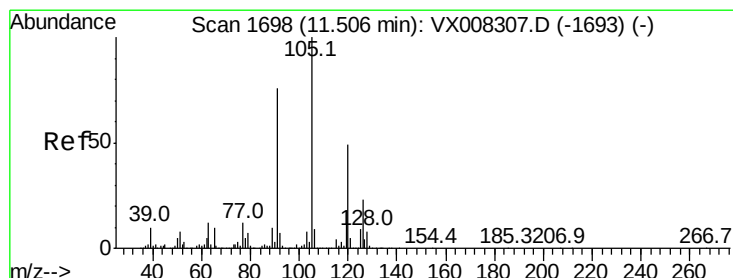
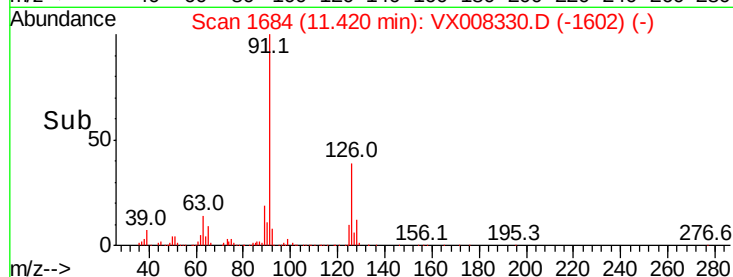
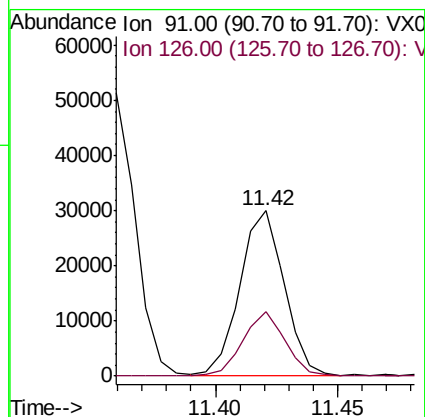
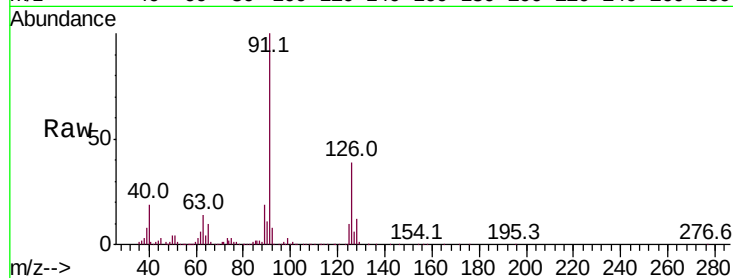
126 37.2 0.0 75.2

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#76

1,3,5-Trimethylbenzene

Concen: 5.022 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008330.D

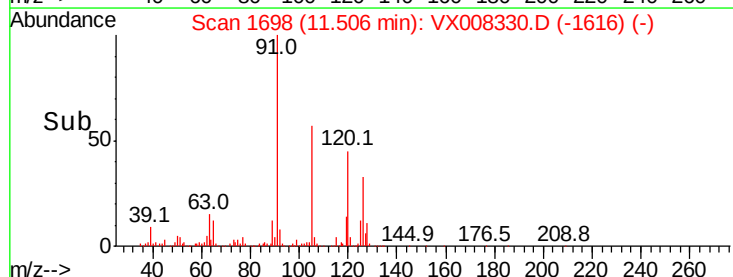
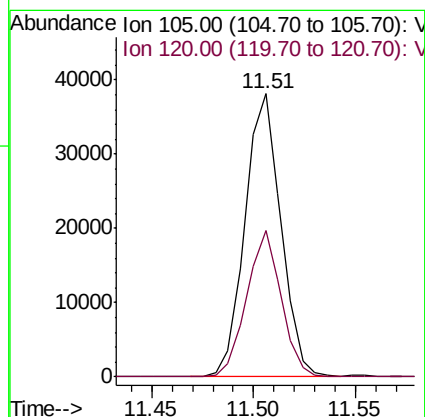
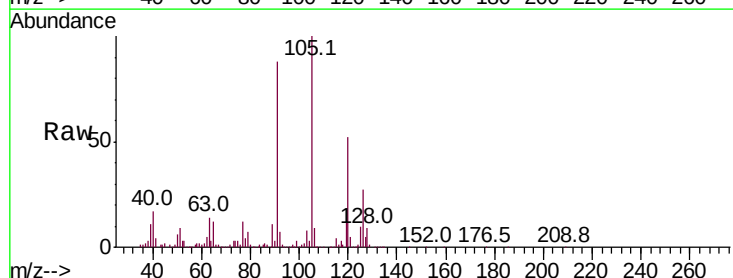
Acq: 22 Mar 2019 10:58

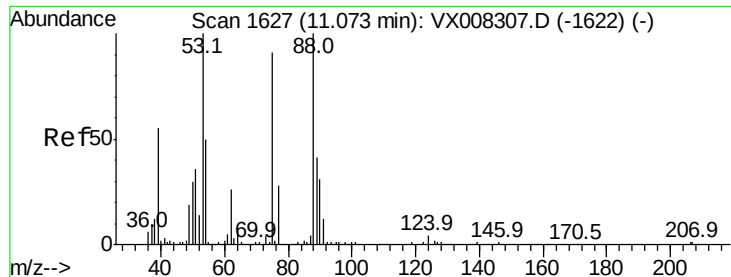
Tgt Ion: 105 Resp: 46701

Ion Ratio Lower Upper

105 100

120 49.4 0.0 101.0





#77

t-1,4-Dichloro-2-butene

Concen: 3.773 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 3997

Ion Ratio Lower Upper

75 100

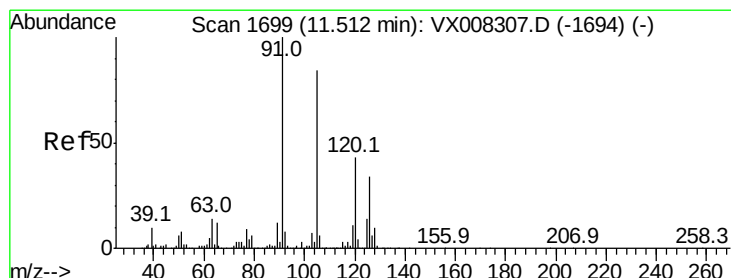
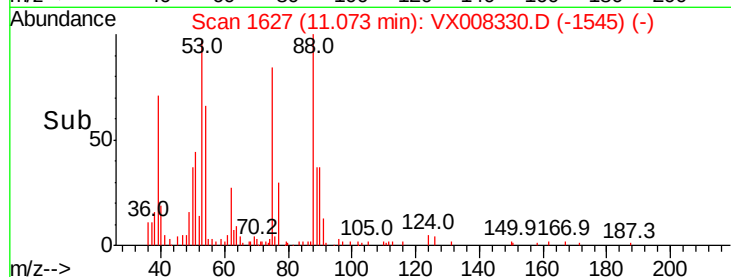
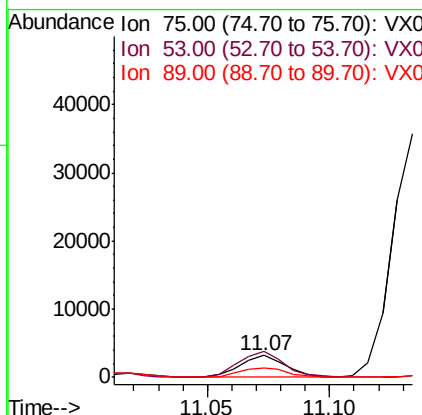
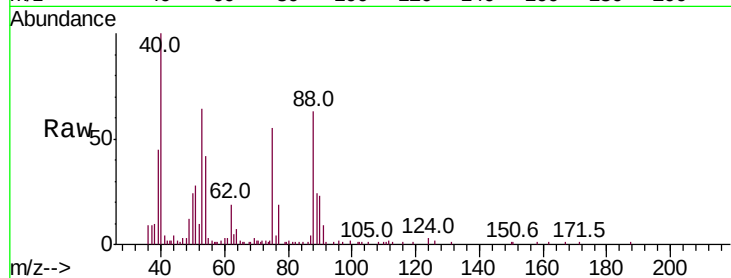
53 116.2 55.5 166.7

89 43.9 24.4 73.2

Manual Integrations
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#78

4-Chlorotoluene

Concen: 5.179 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008330.D

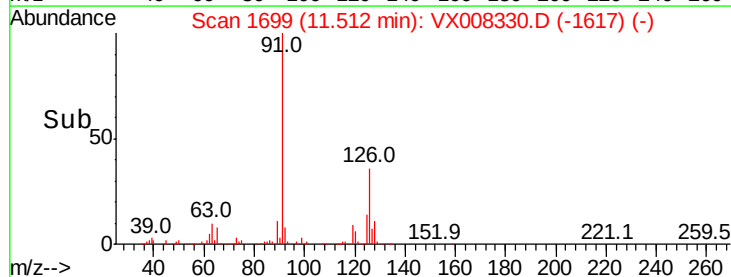
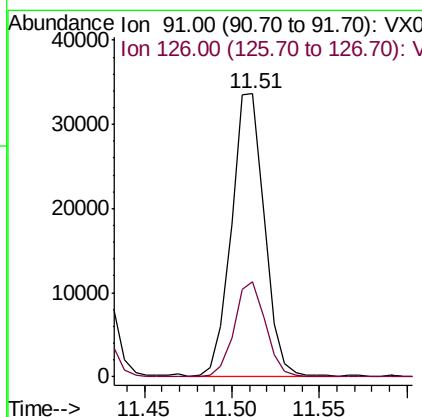
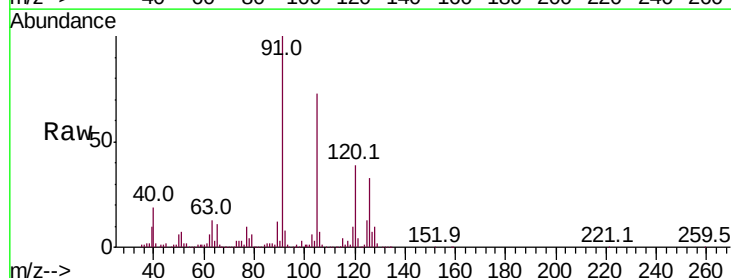
Acq: 22 Mar 2019 10:58

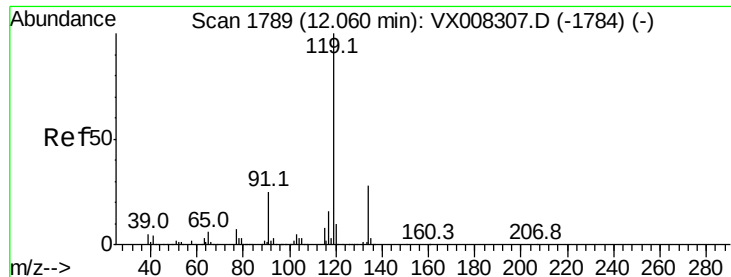
Tgt Ion: 91 Resp: 44167

Ion Ratio Lower Upper

91 100

126 31.9 0.0 66.2





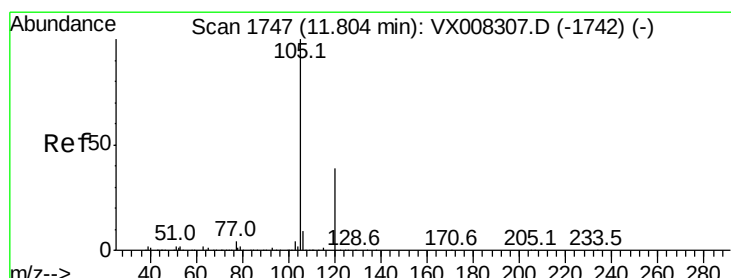
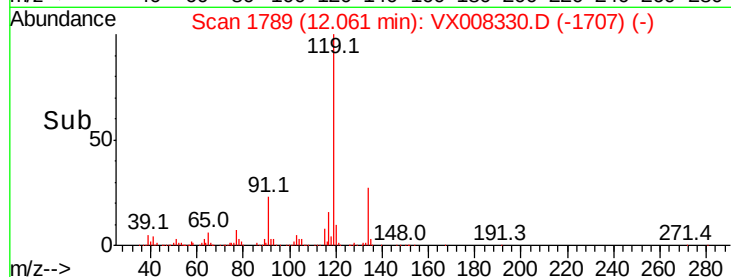
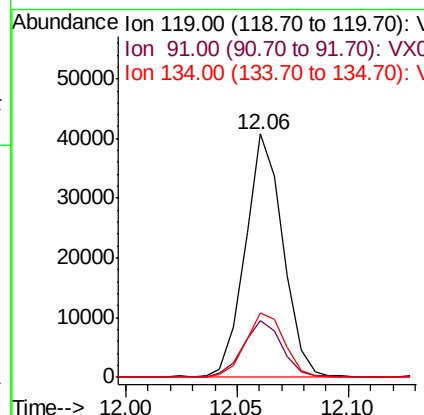
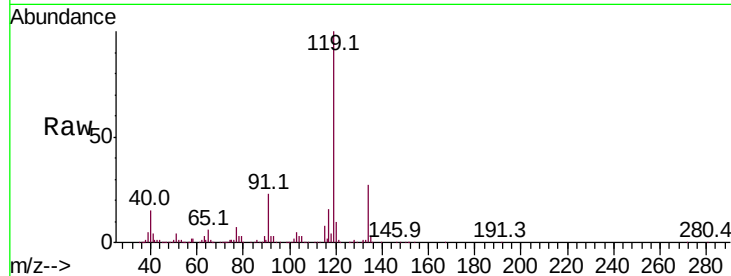
#79
tert-butylbenzene
Concen: 4.921 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	48138		
91	23.9		0.0	45.0
134	27.6		0.0	55.4

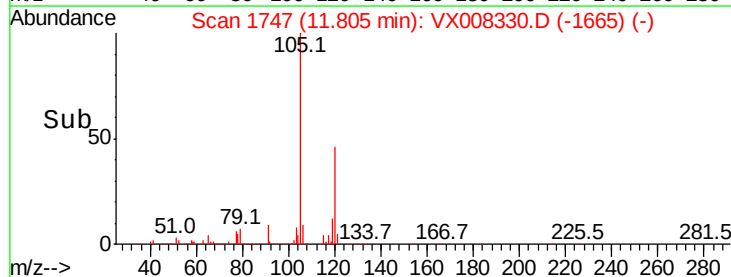
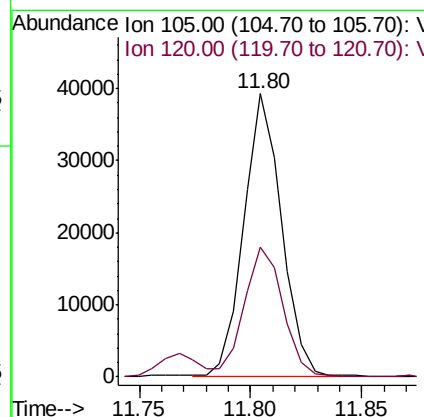
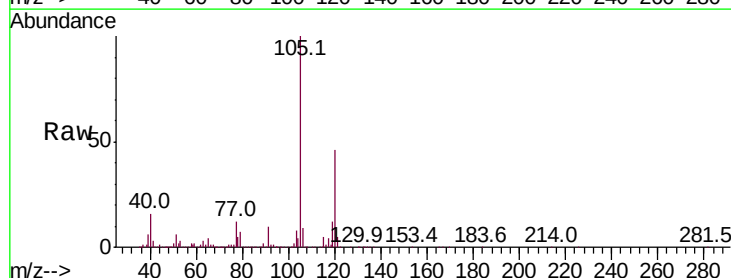
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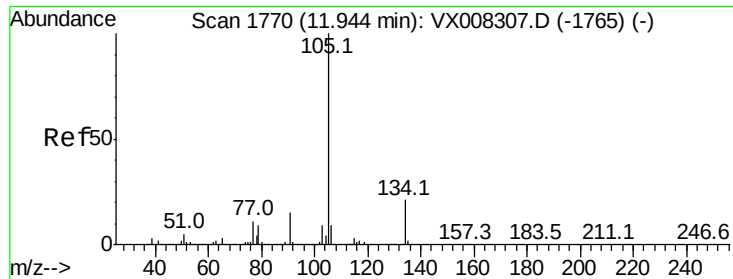
MMDadoda
3/23/2019 9:33:33 AM



#80
1,2,4-Trimethylbenzene
Concen: 5.036 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008330.D
Acq: 22 Mar 2019 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	46537		
120	46.6		0.0	94.0





#81

sec-Butylbenzene

Concen: 5.330 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 56538

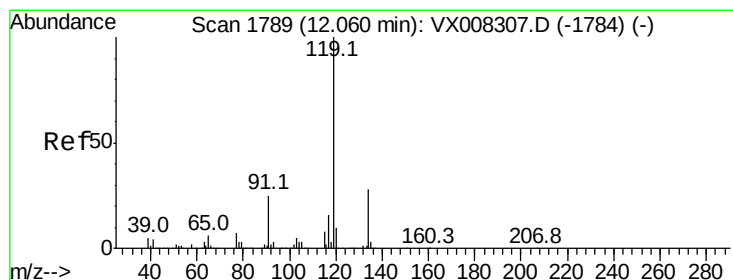
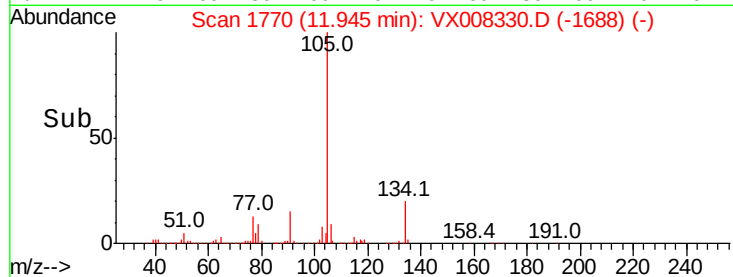
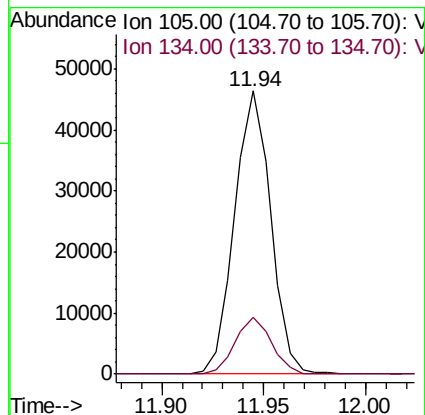
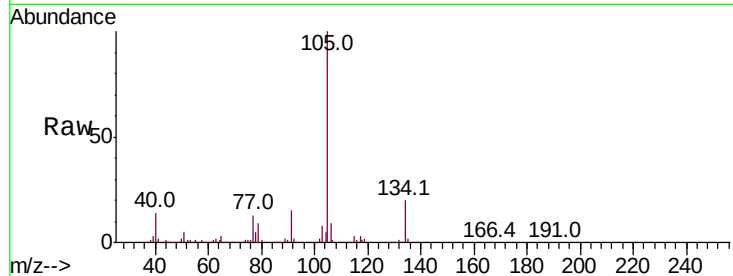
Ion Ratio Lower Upper

105 100

134 20.4 0.0 41.8

Manual Integrations
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#82

p-Isopropyltoluene

Concen: 4.921 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

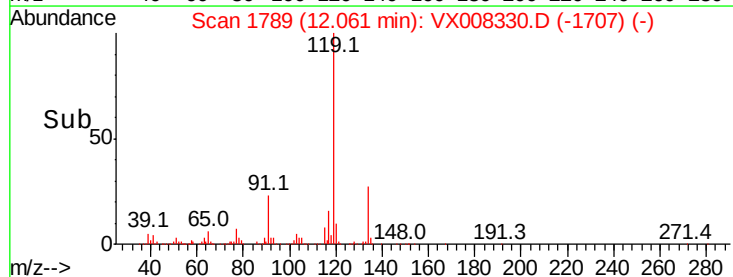
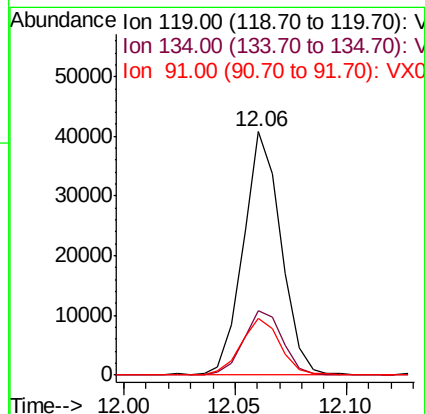
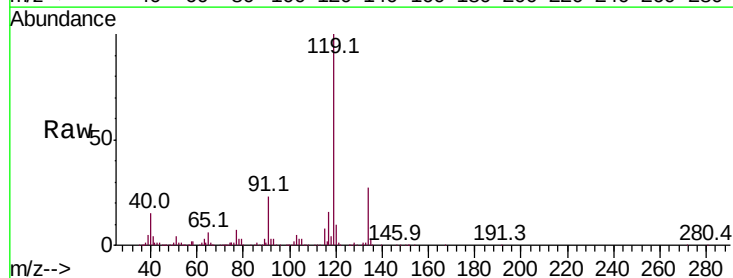
Tgt Ion:119 Resp: 48138

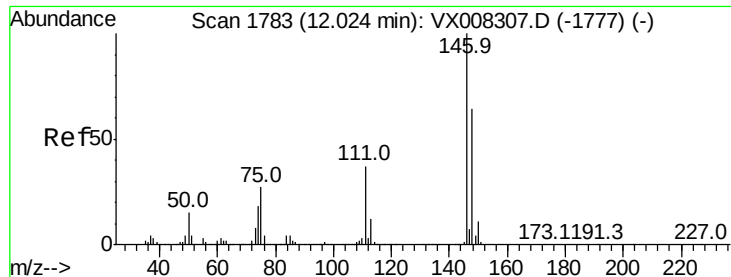
Ion Ratio Lower Upper

119 100

134 27.6 0.0 55.4

91 23.9 0.0 45.0





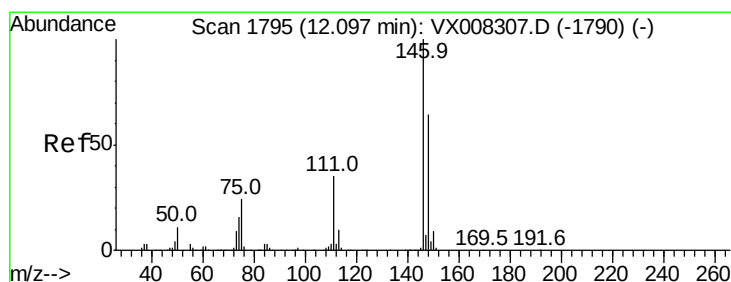
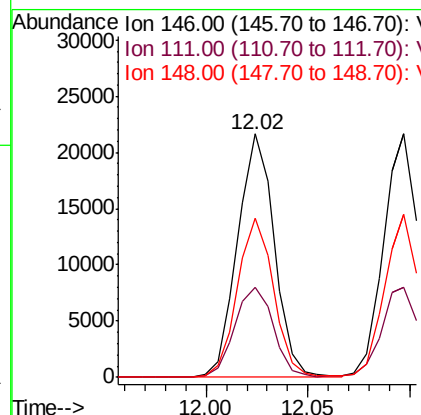
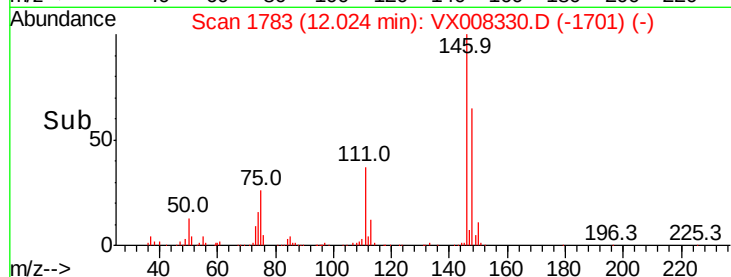
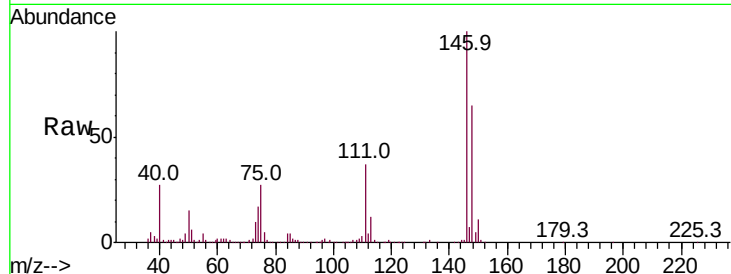
#83
 1,3-Dichlorobenzene
 Concen: 5.188 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.3
148	64.5	30.6	91.8

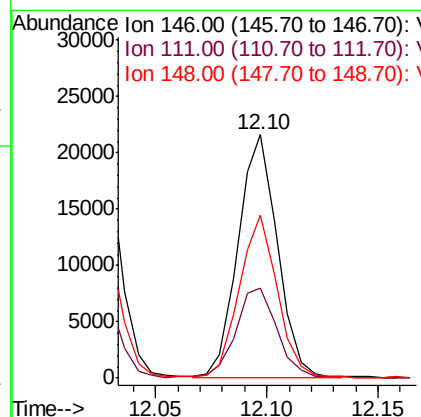
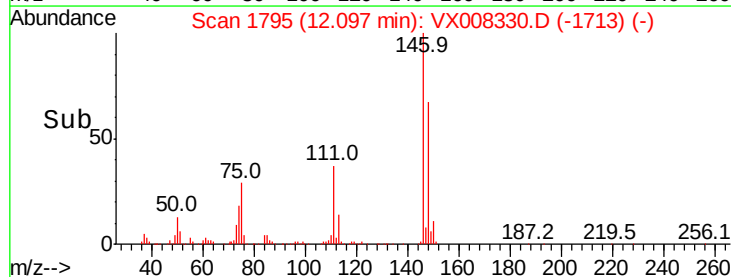
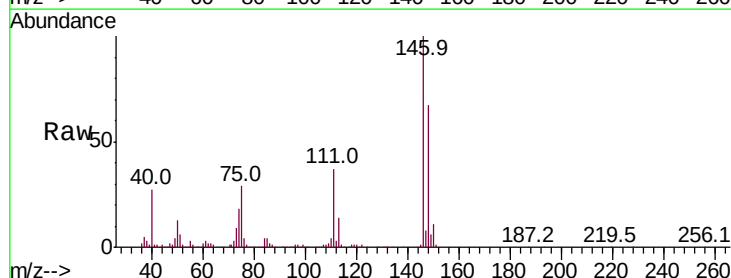
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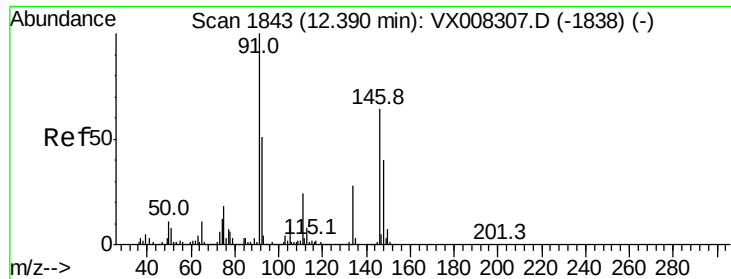
MMDadoda
 3/23/2019 9:33:33 AM



#84
 1,4-Dichlorobenzene
 Concen: 5.128 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	17.6	52.8
148	65.1	31.4	94.2





#85

n-Butylbenzene

Concen: 4.795 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

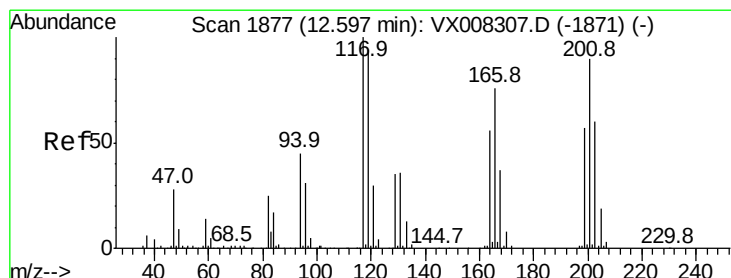
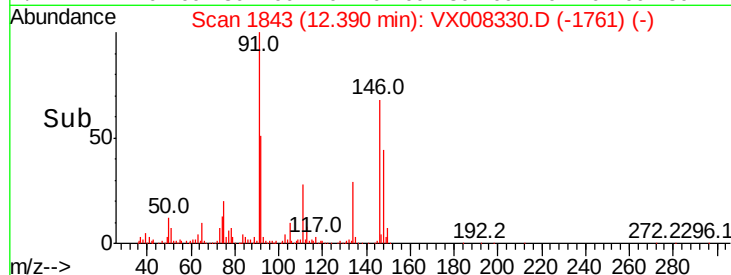
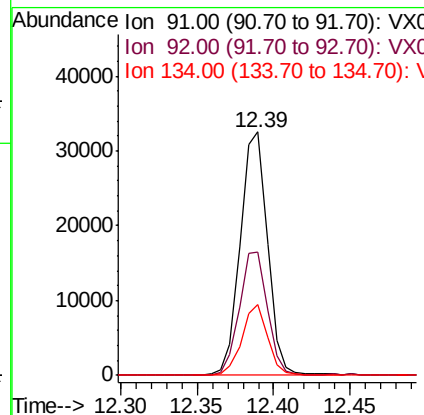
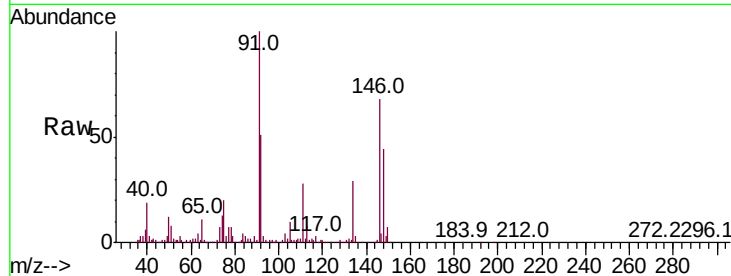
ClientSampleId :

VSTDIC005

Tot Ion:	91	Resp:	40352
Ion Ratio	Lower	Upper	
91	100		
92	52.2	0.0	105.2
134	27.3	0.0	56.4

Manual Integrations
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#86

Hexachloroethane

Concen: 4.871 ug/l

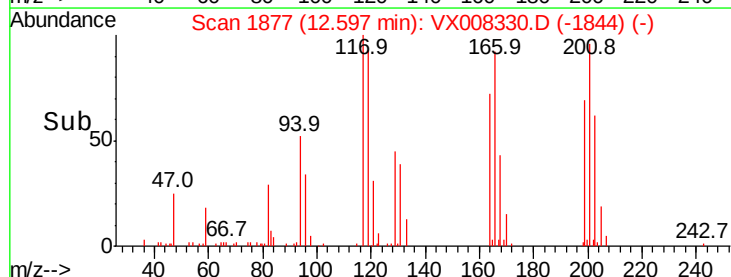
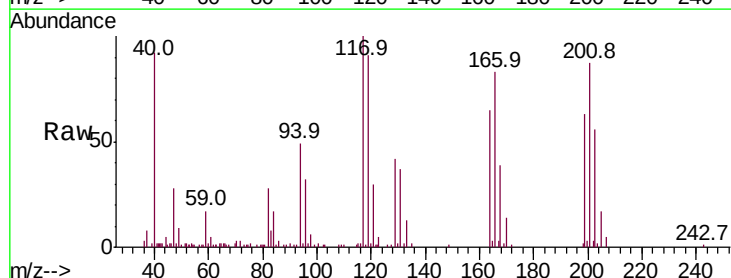
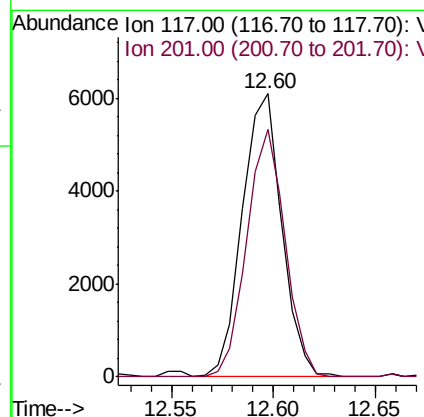
RT: 12.60 min Scan# 1877

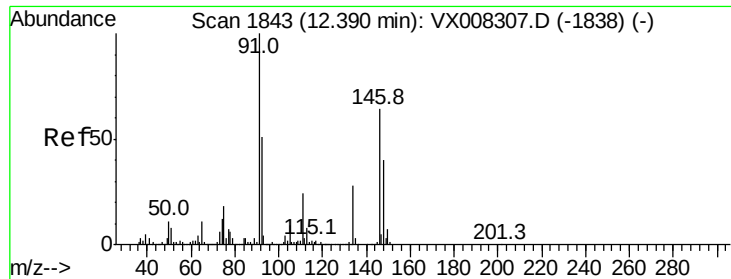
Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Tgt Ion:	117	Resp:	8213
Ion Ratio	Lower	Upper	
117	100		
201	84.5	41.1	123.3





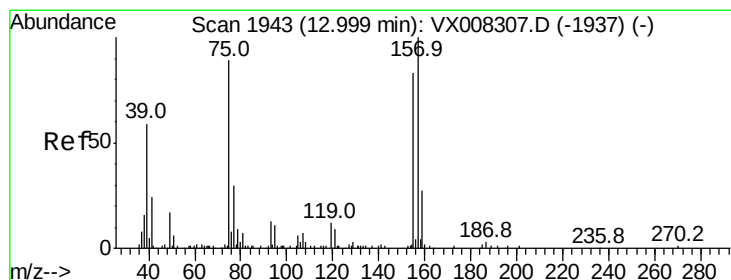
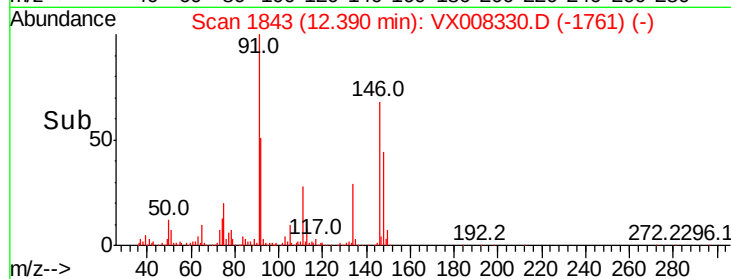
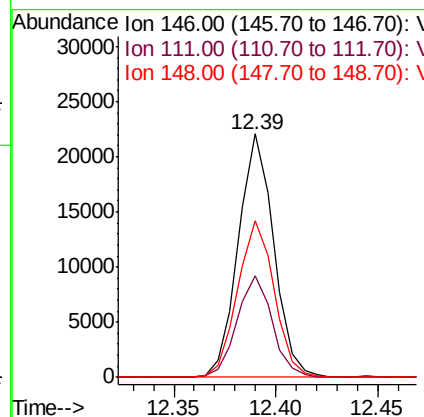
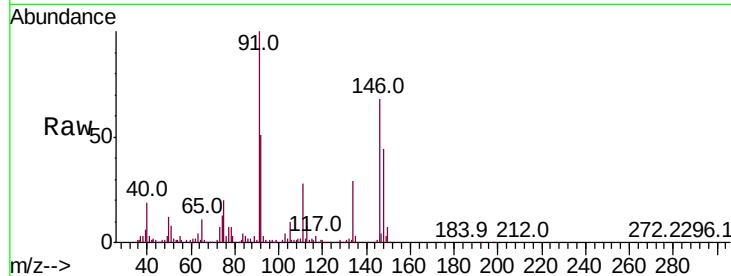
#87
 1,2-Dichlorobenzene
 Concen: 5.130 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	19.3	57.8
148	67.3	32.1	96.3

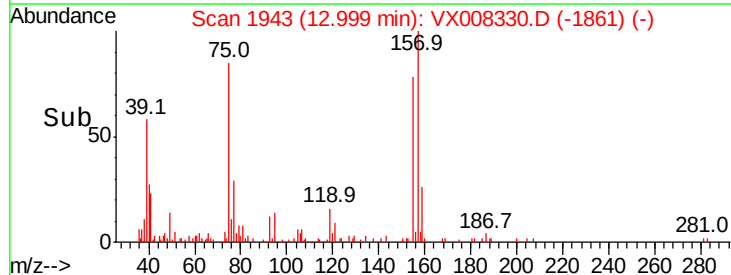
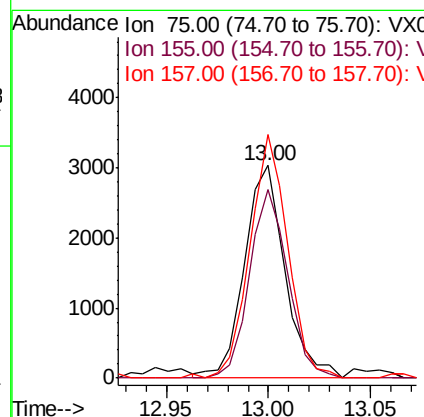
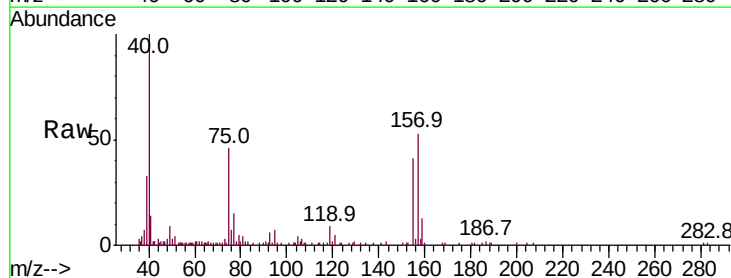
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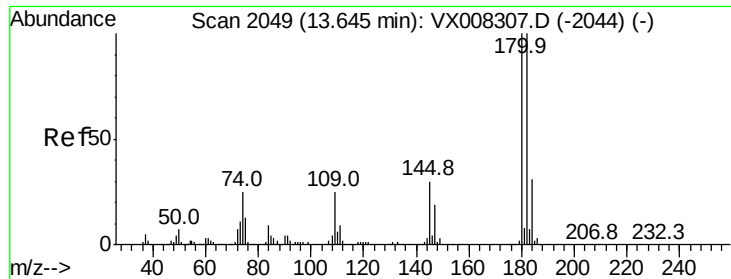
MMDadoda
 3/23/2019 9:33:33 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.941 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.5	81.0	121.6
157	106.3	103.2	154.8





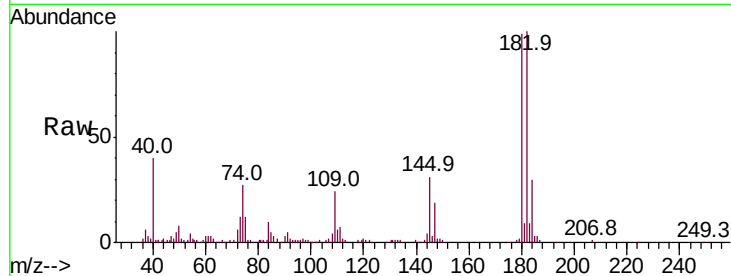
#89
 1,2,4-Trichlorobenzene
 Concen: 4.777 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.6	113.4
145	32.1	23.0	34.6

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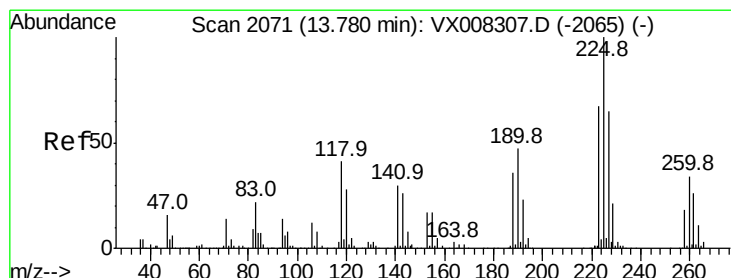
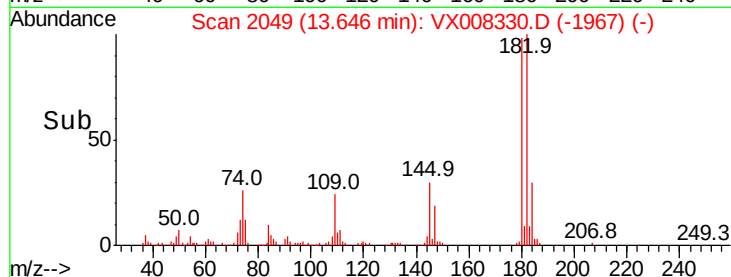
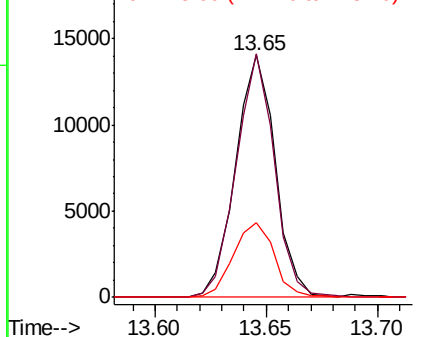


Abundance

Ion 180.00 (179.70 to 180.70): V

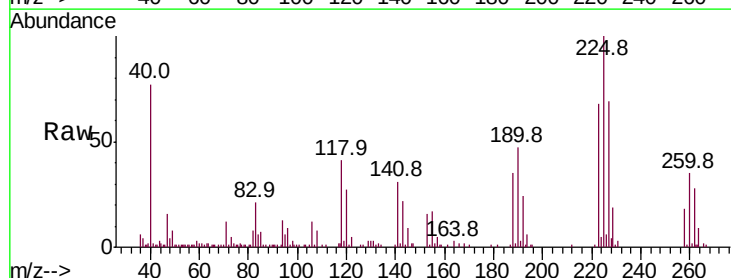
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 5.092 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008330.D
 Acq: 22 Mar 2019 10:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	0.0	123.8
227	65.3	0.0	124.4

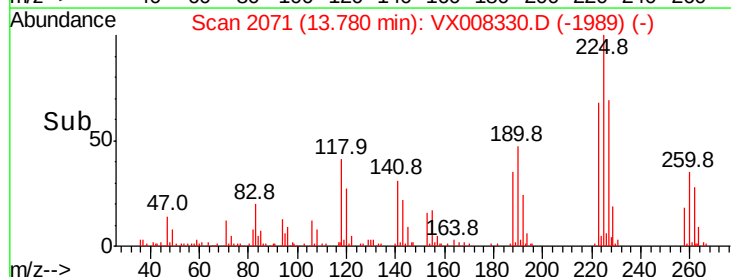
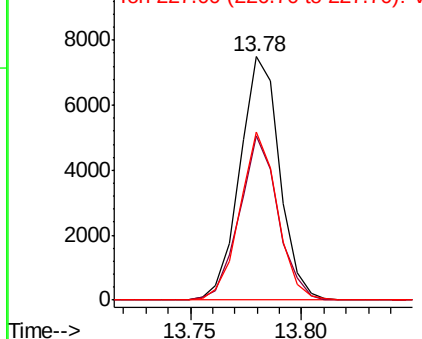


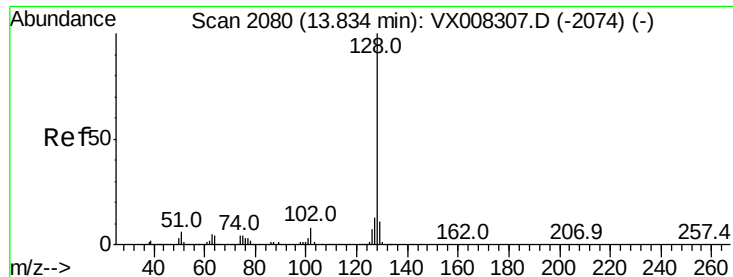
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 4.464 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Instrument :

MSVOA_X

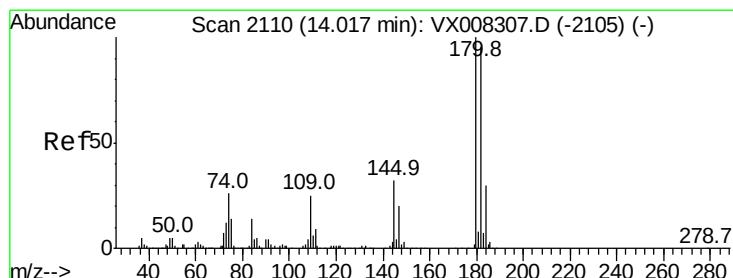
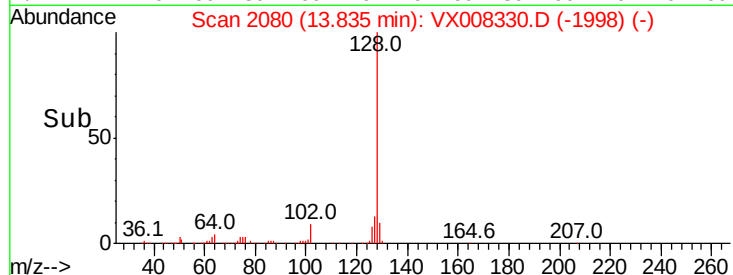
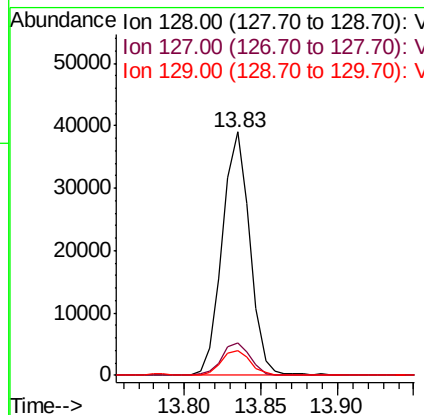
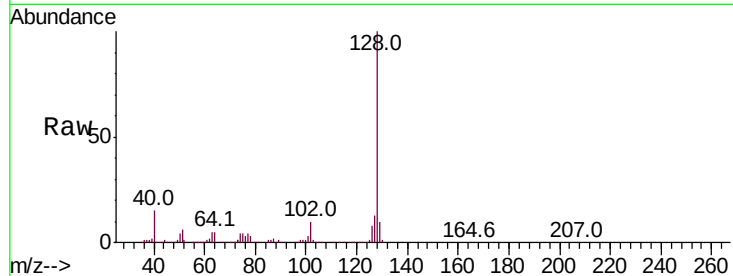
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	48923
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.5	15.7
129	10.7	8.9	13.3

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#92

1,2,3-Trichlorobenzene

Concen: 4.828 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008330.D

Acq: 22 Mar 2019 10:58

Tgt Ion:	180	Resp:	17811
Ion Ratio	Lower	Upper	
180	100		
182	92.2	0.0	193.0
145	32.0	0.0	63.0

