

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032219\
 Data File : VX008338.D
 Acq On : 22 Mar 2019 14:59
 Operator : JC/SP
 Sample : VX0322WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/23/2019 9:33:28 AM

Quant Time: Mar 22 15:46:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 22 15:33:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	32409	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	173769	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	149827	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	68771	31.05	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.50%
60) 4-Bromofluorobenzene	11.13	95	75324	30.89	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.97%
63) Toluene-d8	8.71	98	210399	31.17	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	34861	20.048 ug/l	96
3) Chloromethane	1.33	50	35479	19.955 ug/l	98
4) Vinyl Chloride	1.41	62	40288	20.105 ug/l	99
5) Bromomethane	1.65	94	30858	8.495 ug/l	97
6) Chloroethane	1.73	64	26988	18.950 ug/l	98
7) Trichlorofluoromethane	1.93	101	62173	19.490 ug/l	100
8) Diethyl Ether	2.19	74	24061	19.448 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	34699	19.668 ug/l	99
10) 1,1-Dichloroethene	2.38	96	34731	19.944 ug/l	91
11) Methyl Iodide	2.52	142	50450	19.165 ug/l	92
12) Methyl Acetate	2.78	43	38602	20.315 ug/l	97
13) Acrolein	2.29	56	33948	114.041 ug/l	98
14) Acrylonitrile	3.15	53	96705	102.548 ug/l	98
15) Acetone	2.45	58	30763	83.190 ug/l	98
16) Carbon Disulfide	2.57	76	96591	20.005 ug/l	99
17) Allyl chloride	2.73	41	50052	19.478 ug/l	91
18) Methylene Chloride	2.86	84	38336	20.450 ug/l	98
19) trans-1,2-Dichloroethene	3.17	96	37057	20.047 ug/l	97
20) Diisopropyl ether	3.86	45	108700	20.231 ug/l	90
21) 1,1-Dichloroethane	3.70	63	63730	20.084 ug/l	100
22) cis-1,2-Dichloroethene	4.60	96	42805	20.077 ug/l	95
23) tert-Butyl Alcohol	3.04	59	38596	100.817 ug/l	100
24) Methyl tert-Butyl Ether	3.20	73	112344	20.081 ug/l	97
25) Chloroform	5.22	83	69045	20.512 ug/l	95
26) Cyclohexane	5.59	56	56929	20.286 ug/l	# 99
29) 1,1-Dichloropropene	5.81	75	49835	20.192 ug/l	97
30) 2-Butanone	4.67	43	136228	95.830 ug/l	97
31) 2,2-Dichloropropane	4.58	77	44565	19.179 ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	58250	20.059 ug/l	97
33) Carbon Tetrachloride	5.79	117	51426	19.283 ug/l	99
34) Benzene	6.15	78	151539	20.613 ug/l	98
35) Methacrylonitrile	5.04	41	26638	20.117 ug/l	95
36) 1,2-Dichloroethane	6.20	62	55205	20.373 ug/l	98
37) Trichloroethene	7.21	130	42708	19.758 ug/l	90
38) Methylcyclohexane	7.46	83	59305	19.173 ug/l	98
39) 1,2-Dichloropropane	7.51	63	38172	20.406 ug/l	100
40) Dibromomethane	7.66	93	28049	20.444 ug/l	97

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 Response via : Initial Calibration

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

41) Bromodichloromethane	7.90	83	52633	20.217	ug/l #	97
42) Vinyl Acetate	3.82	43	480637	100.593	ug/l	98
43) Ethyl Acetate	4.84	43	51285	20.438	ug/l #	85
44) Isopropyl Acetate	6.45	43	78865	19.971	ug/l	98
45) 1,4-Dioxane	7.74	88	19968	402.022	ug/l	98
46) Methyl methacrylate	7.77	41	40023	20.655	ug/l	99
47) n-amyl Acetate	10.90	43	65344	19.300	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	49337	18.928	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	57143	19.646	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	40577	20.587	ug/l	94
51) Ethyl methacrylate	9.18	69	59582	20.706	ug/l	97
52) 1,3-Dichloropropane	9.37	76	63890	20.212	ug/l	100
53) Dibromochloromethane	9.58	129	43687	19.662	ug/l	100
54) 1,2-Dibromoethane	9.67	107	43377	20.058	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	142019	98.097	ug/l	99
56) Bromoform	10.85	173	32602	18.586	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	260152	103.127	ug/l	96
59) 2-Hexanone	9.49	43	199238	99.843	ug/l	97
61) Tetrachloroethene	9.33	164	42101	20.875	ug/l	98
62) Toluene	8.79	91	164315	20.661	ug/l	99
64) Chlorobenzene	10.14	112	105965	20.668	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	40084	20.470	ug/l	99
66) Ethyl Benzene	10.25	91	174499	20.289	ug/l	99
67) m/p-Xylenes	10.36	106	138923	40.640	ug/l	100
68) o-Xylene	10.69	106	65706	20.009	ug/l	98
69) Styrene	10.71	104	110871	19.999	ug/l	97
70) Isopropylbenzene	11.02	105	175823	20.350	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	61516	20.880	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	51261m	21.600	ug/l	
73) Bromobenzene	11.26	156	47558	19.895	ug/l	97
74) n-propylbenzene	11.36	91	190775	19.810	ug/l	99
75) 2-Chlorotoluene	11.42	91	117972	20.513	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	150460	20.385	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	15838	18.838	ug/l	94
78) 4-Chlorotoluene	11.51	91	133778	19.764	ug/l	97
79) tert-butylbenzene	12.06	119	156115	20.108	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	148542	20.253	ug/l	100
81) sec-Butylbenzene	11.94	105	165518	19.661	ug/l	98
82) p-Isopropyltoluene	12.06	119	156115	20.108	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	80401	19.378	ug/l	96
84) 1,4-Dichlorobenzene	12.10	146	80468	19.476	ug/l	97
85) n-Butylbenzene	12.38	91	126917	19.004	ug/l	100
86) Hexachloroethane	12.60	117	24881	18.595	ug/l	93
87) 1,2-Dichlorobenzene	12.39	146	81885	20.012	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	12992	19.264	ug/l	96
89) 1,2,4-Trichlorobenzene	13.65	180	54887	18.953	ug/l	99
90) Hexachlorobutadiene	13.78	225	27755	19.039	ug/l	100
91) Naphthalene	13.83	128	171596	19.729	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	56578	19.325	ug/l	98

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ClientSampleId :
VX0322WBS01

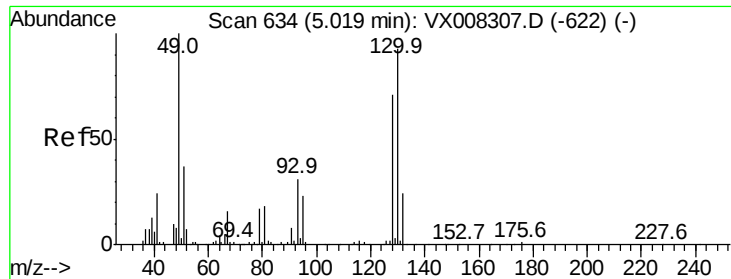
Manual Integrations
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QLast Update : Fri Mar 22 15:33:35 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

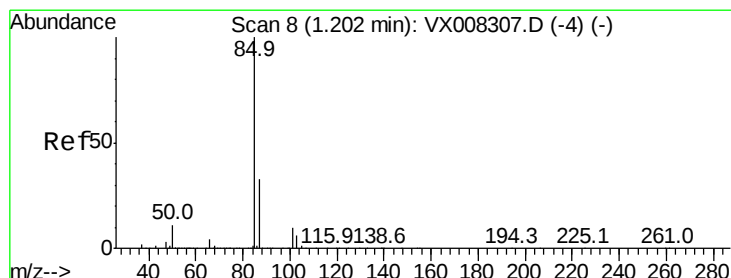
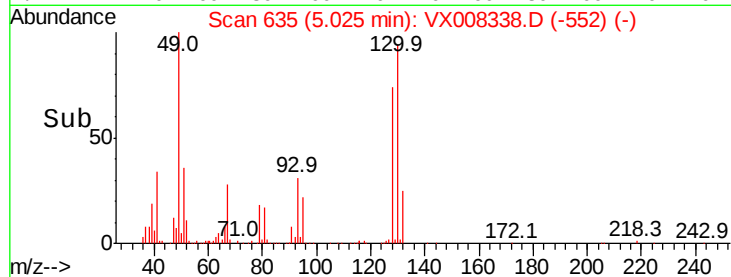
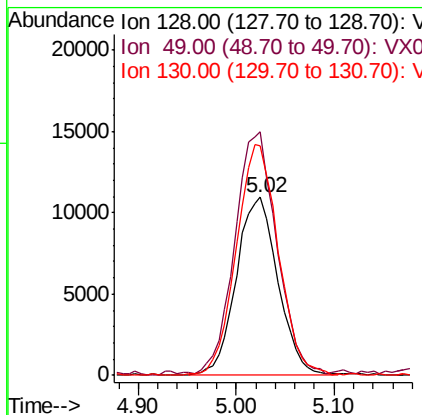
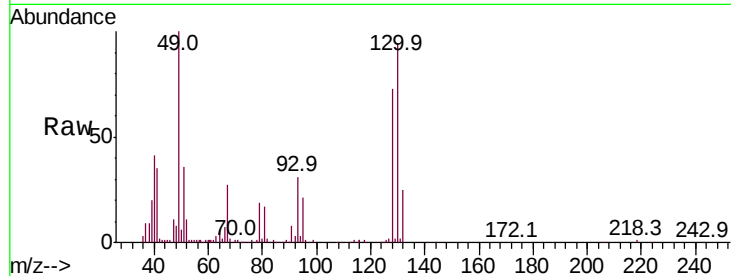
ClientSampleId :

VX0322WBS01

Tot Ion:	128	Resp:	32409
Ion	Ratio	Lower	Upper
128	100		
49	135.3	0.0	350.8
130	130.3	0.0	325.8

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#2

Dichlorodifluoromethane

Concen: 20.048 ug/l

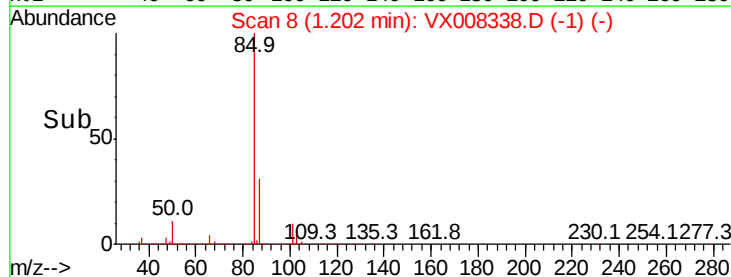
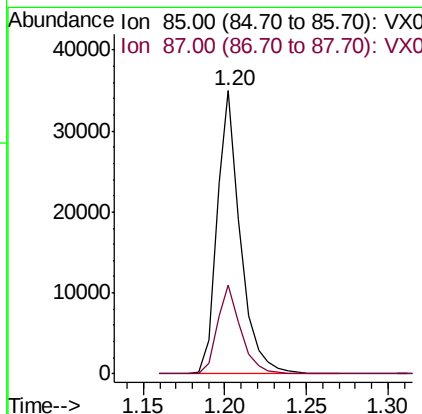
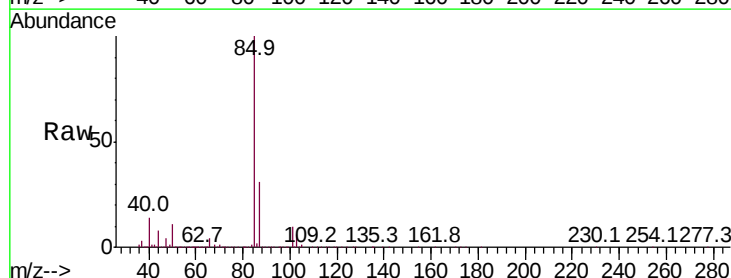
RT: 1.20 min Scan# 8

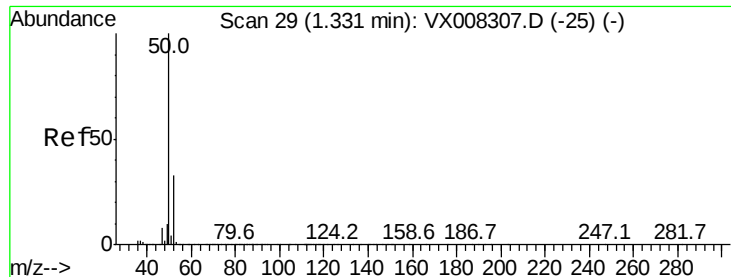
Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Tgt Ion:	85	Resp:	34861
Ion	Ratio	Lower	Upper
85	100		
87	31.1	16.6	49.8





#3

Chloromethane

Concen: 19.955 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBS01

Tot Ion: 50 Resp: 35479

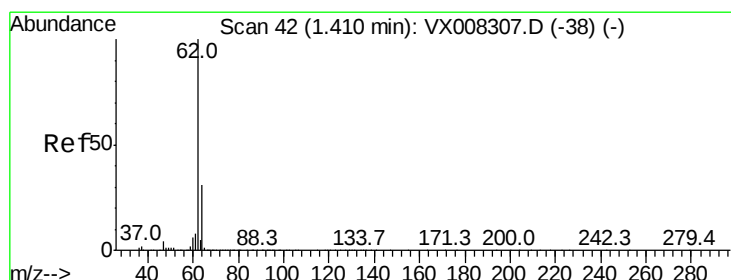
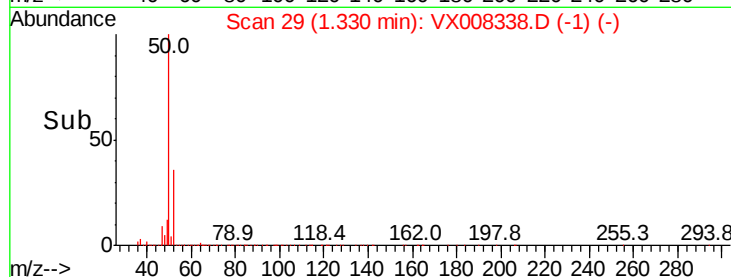
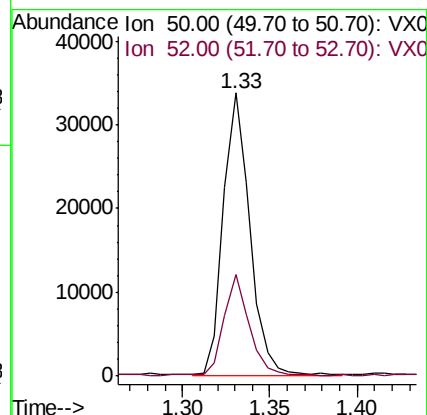
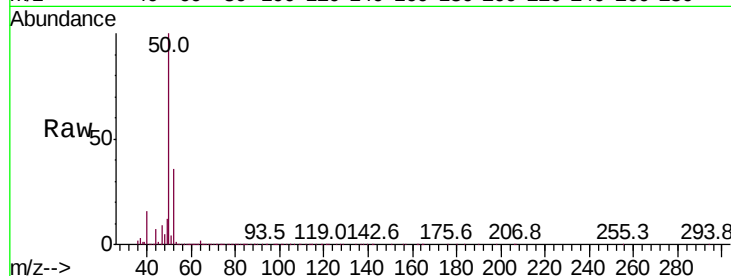
Ion Ratio Lower Upper

50 100

52 35.7 27.5 41.3

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#4

Vinyl Chloride

Concen: 20.105 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008338.D

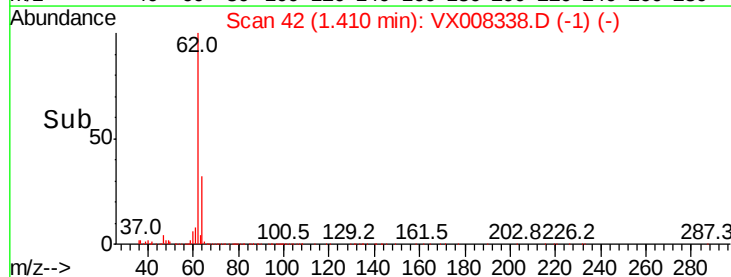
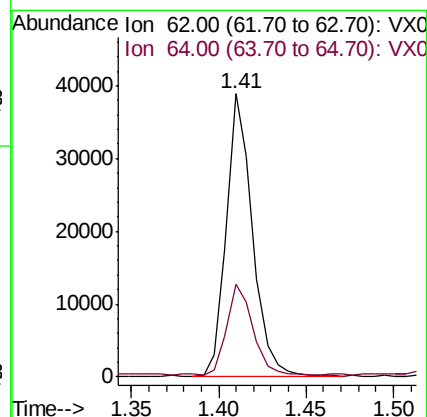
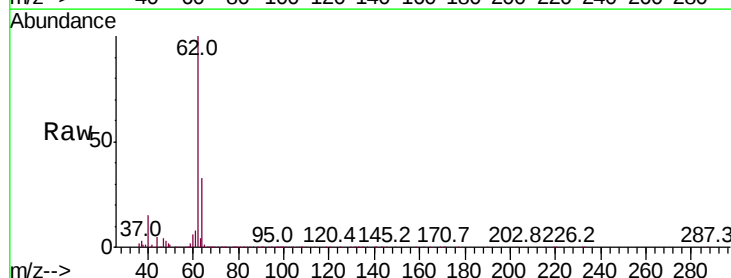
Acq: 22 Mar 2019 14:59

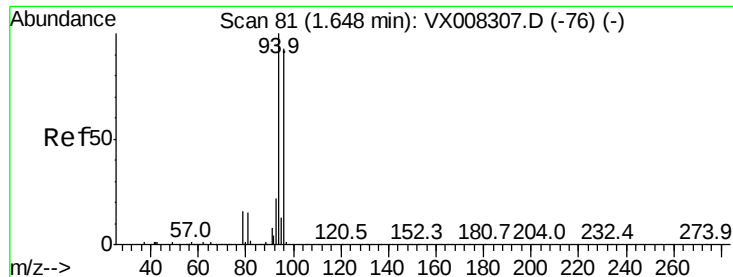
Tgt Ion: 62 Resp: 40288

Ion Ratio Lower Upper

62 100

64 31.8 25.9 38.9





#5

Bromomethane

Concen: 8.495 ug/l

RT: 1.65 min Scan# 81

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBS01

Tot Ion: 94 Resp: 30858

Ion Ratio Lower Upper

94 100

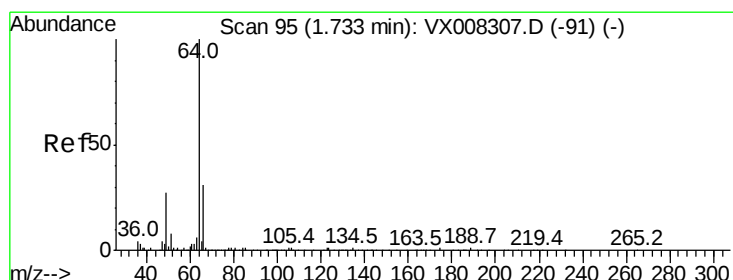
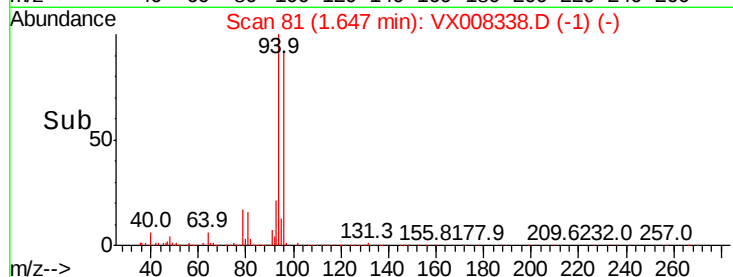
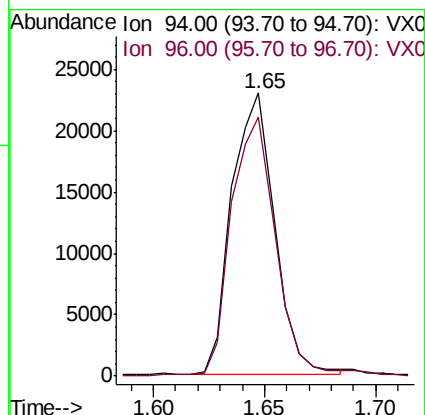
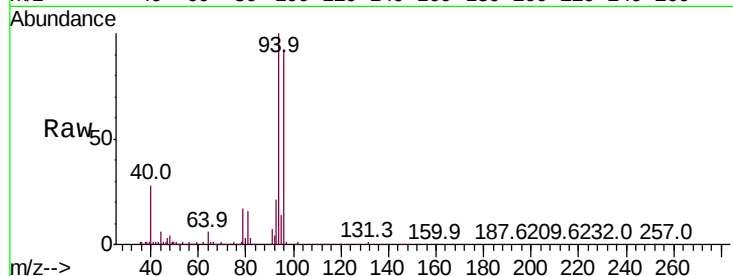
96 91.2 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 18.950 ug/l

RT: 1.73 min Scan# 95

Delta R.T. -0.00 min

Lab File: VX008338.D

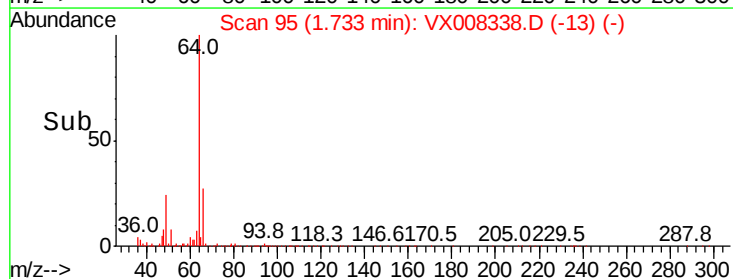
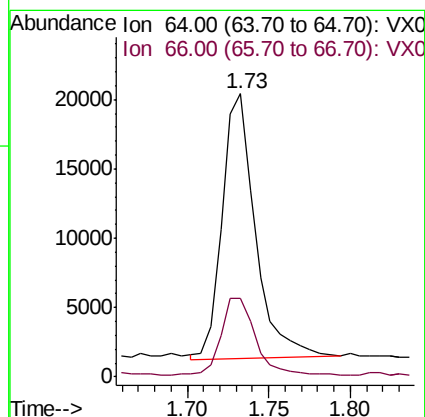
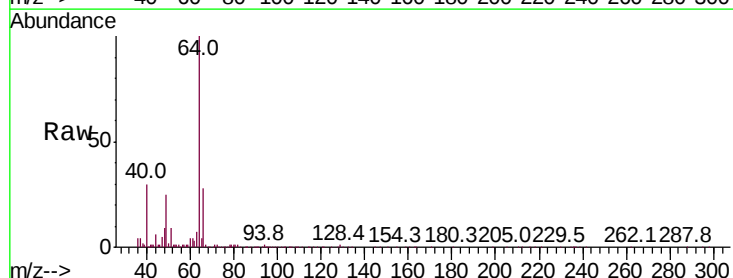
Acq: 22 Mar 2019 14:59

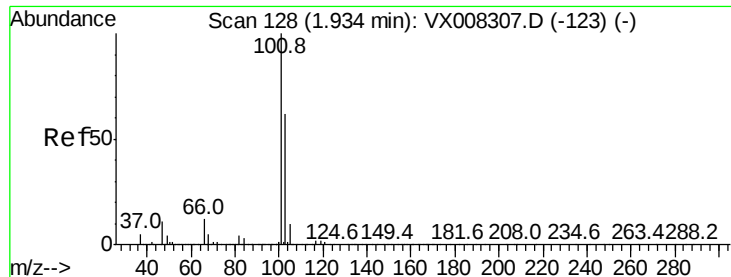
Tgt Ion: 64 Resp: 26988

Ion Ratio Lower Upper

64 100

66 28.9 23.9 35.9





#7

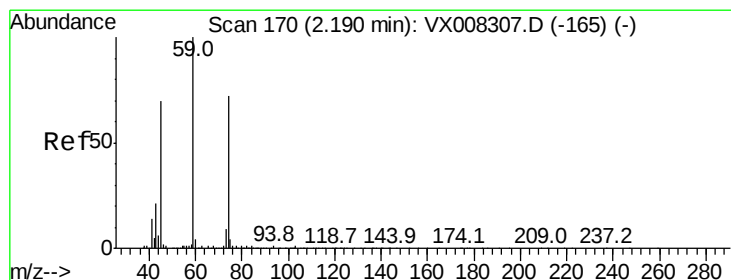
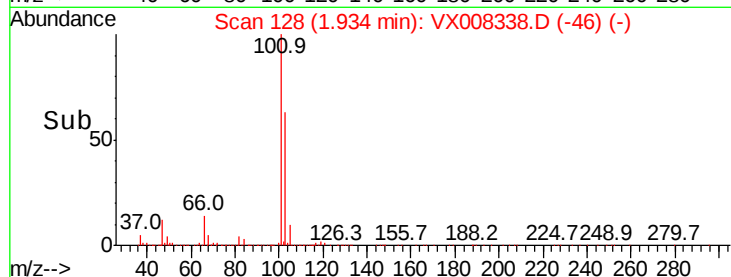
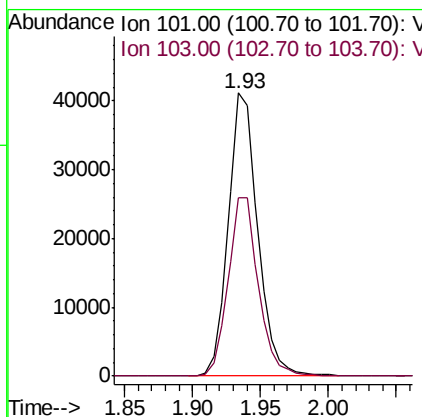
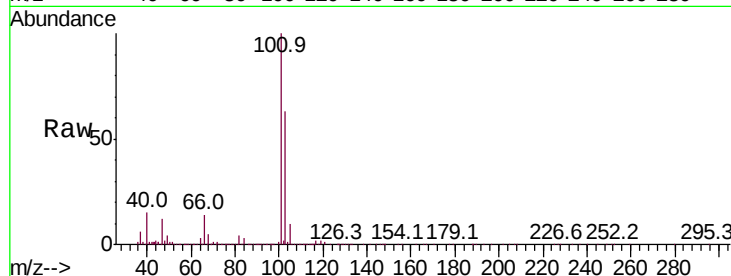
Trichlorofluoromethane
Concen: 19.490 ug/l
RT: 1.93 min Scan# 128
Delta R.T. -0.00 min
Lab File: VX008338.D
Acq: 22 Mar 2019 14:59

Instrument :
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ClientSampleId :
VX0322WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	50.4	75.6

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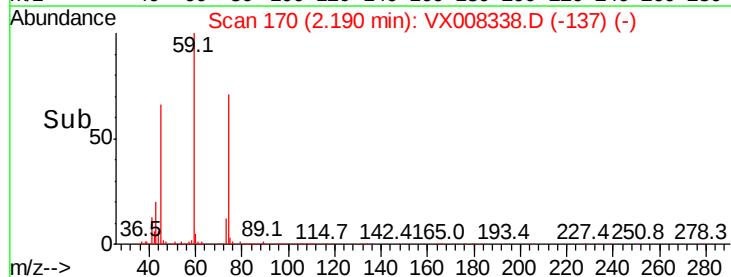
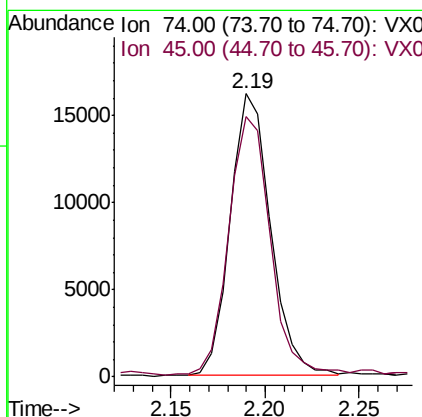
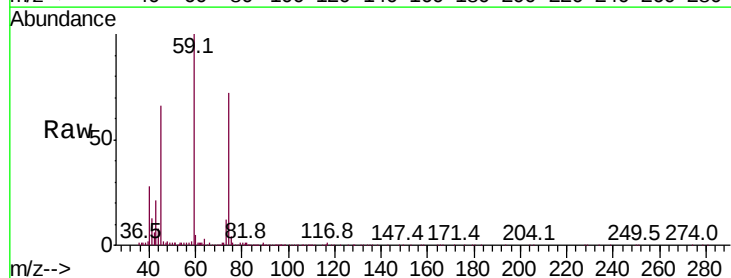
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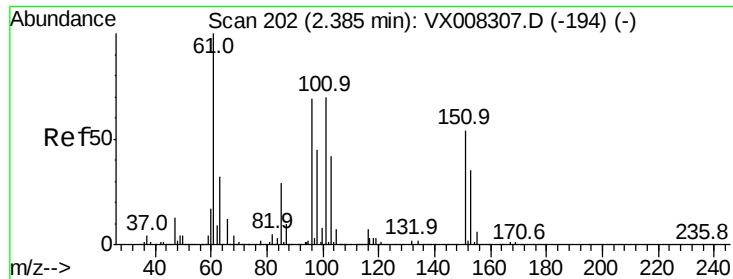


#8

Diethyl Ether
Concen: 19.448 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008338.D
Acq: 22 Mar 2019 14:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.668 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

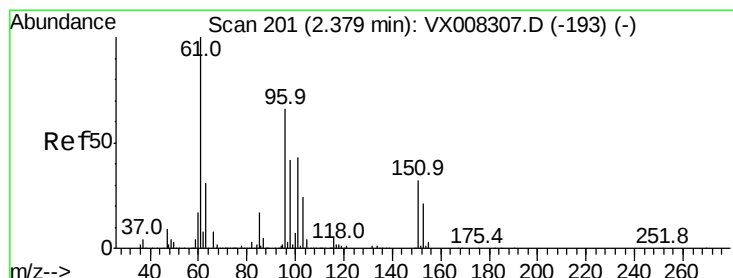
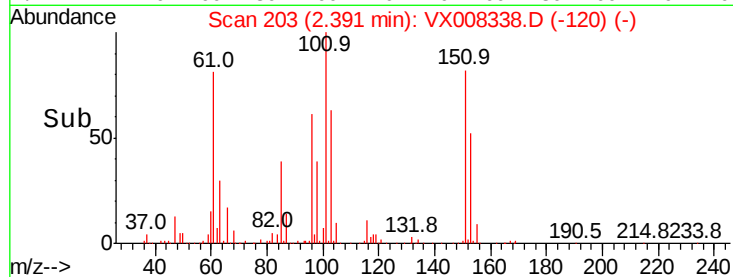
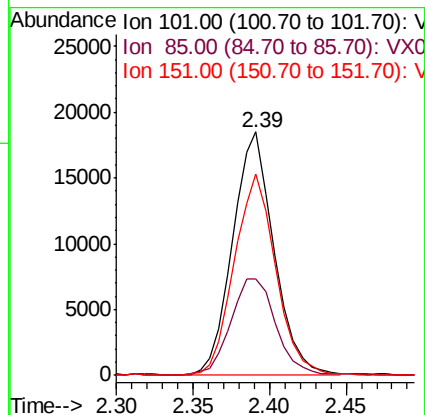
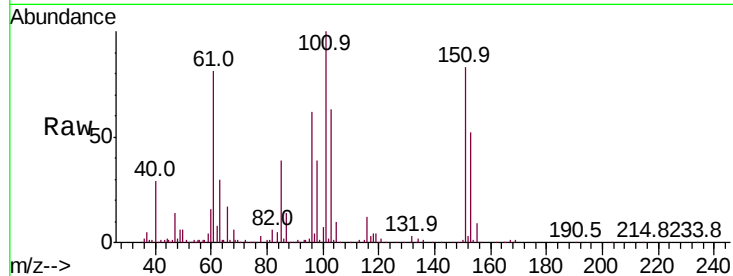
ClientSampleId :

VX0322WBS01

Tot Ion:	101	Resp:	34699
Ion Ratio	Lower	Upper	
101	100		
85	43.5	0.0	86.8
151	83.2	0.0	169.2

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.944 ug/l

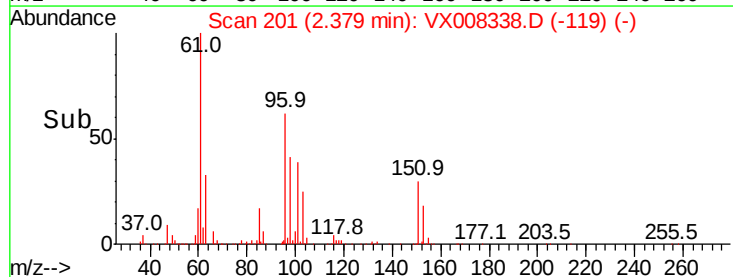
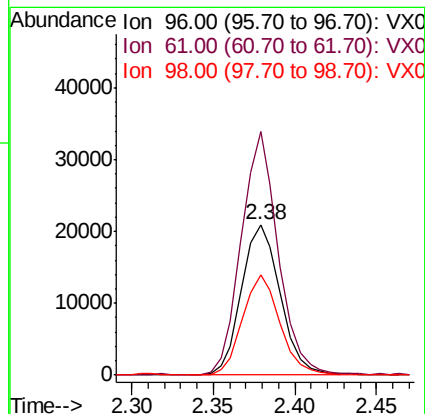
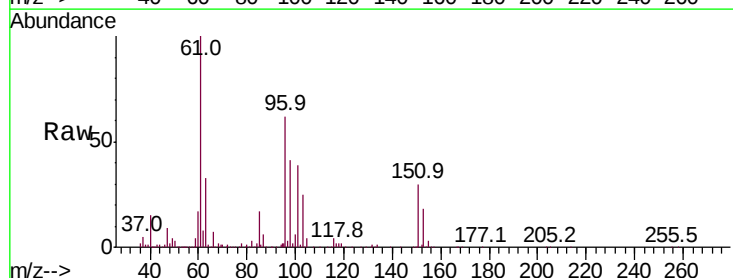
RT: 2.38 min Scan# 201

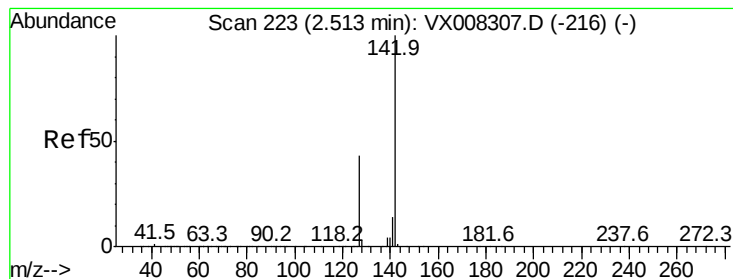
Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Tgt Ion:	96	Resp:	34731
Ion Ratio	Lower	Upper	
96	100		
61	161.8	120.2	180.2
98	66.7	49.0	73.4





#11

Methvl Iodide

Concen: 19.165 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

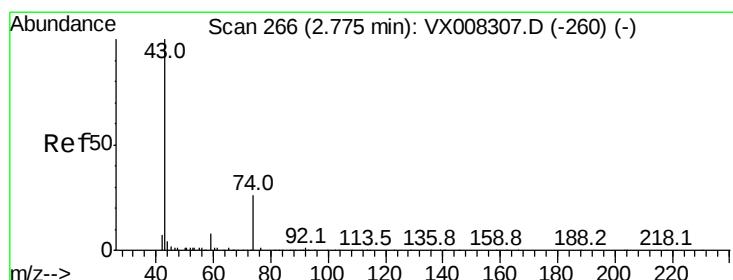
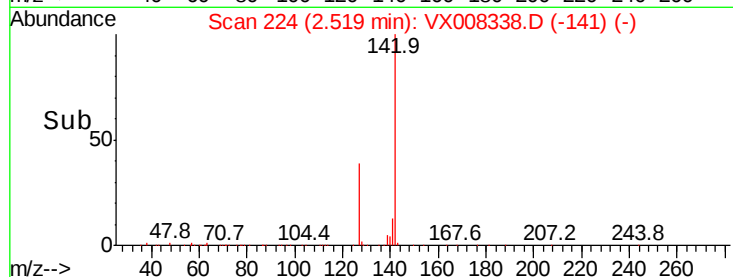
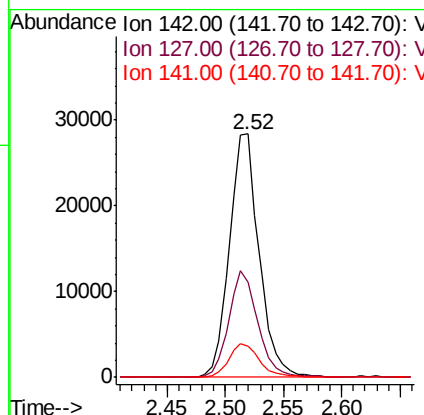
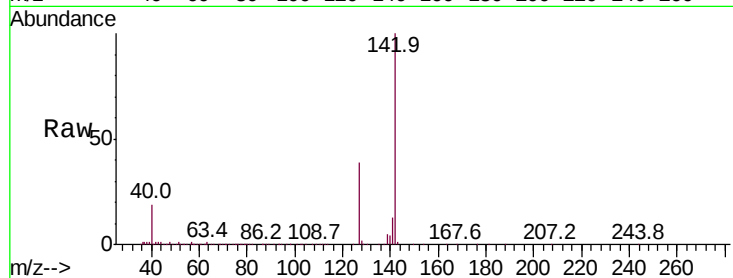
ClientSampleId :

VX0322WBS01

Tot Ion:	142	Resp:	50450
Ion Ratio	Lower	Upper	
142	100		
127	38.7	22.1	66.5
141	12.4	7.4	22.3

Manual Integrations
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#12

Methyl Acetate

Concen: 20.315 ug/l

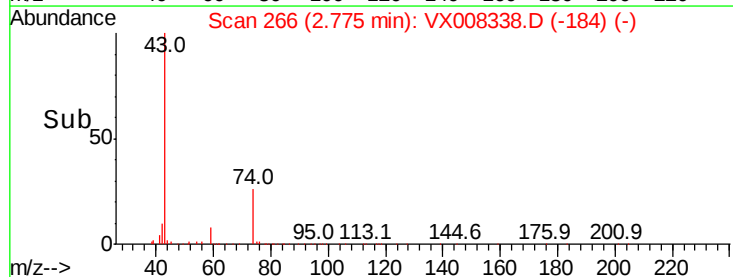
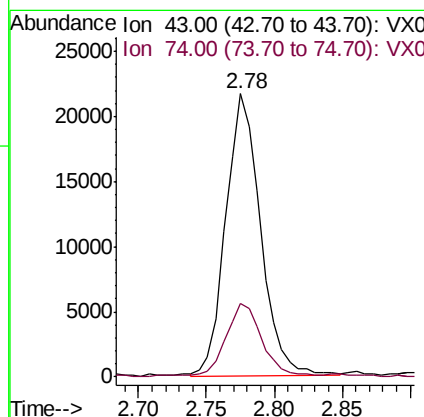
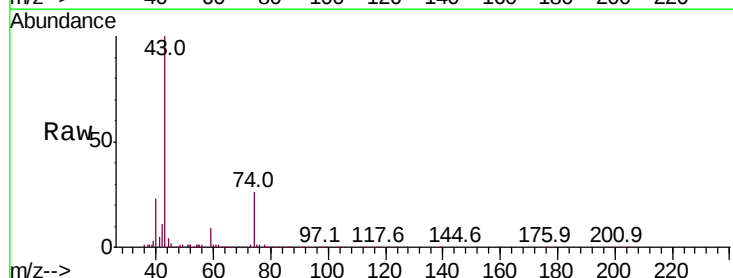
RT: 2.78 min Scan# 266

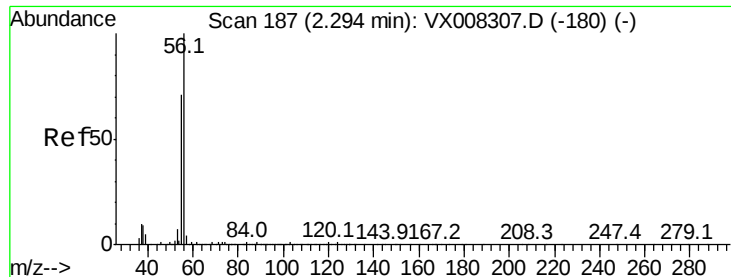
Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Tgt Ion:	43	Resp:	38602
Ion Ratio	Lower	Upper	
43	100		
74	25.5	19.4	29.0





#13

Acrolein

Concen: 114.041 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBS01

Tot Ion: 56 Resp: 33948

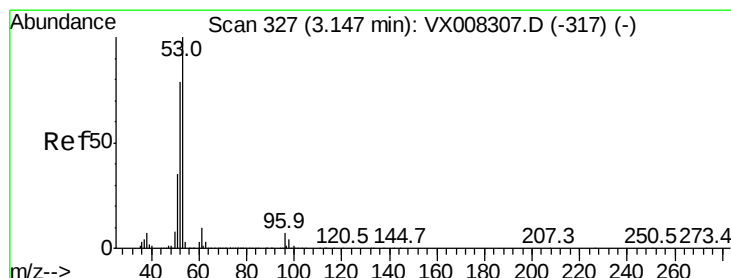
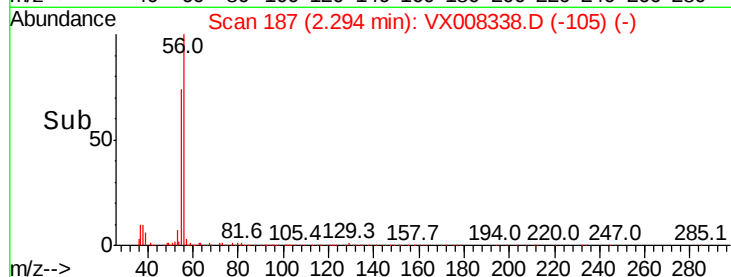
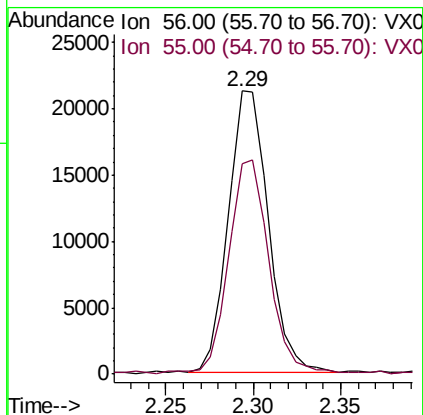
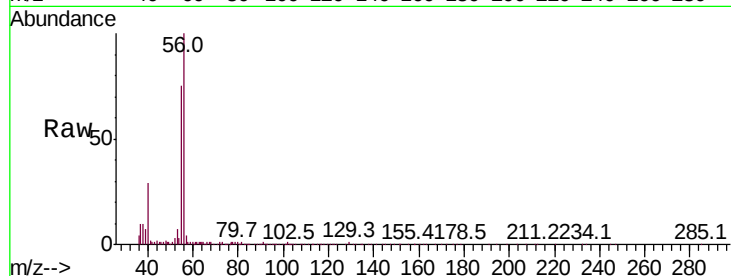
Ion Ratio Lower Upper

56 100

55 74.6 58.6 87.8

Manual Integrations
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3/23/2019 9:33:28 AM



#14

Acrylonitrile

Concen: 102.548 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

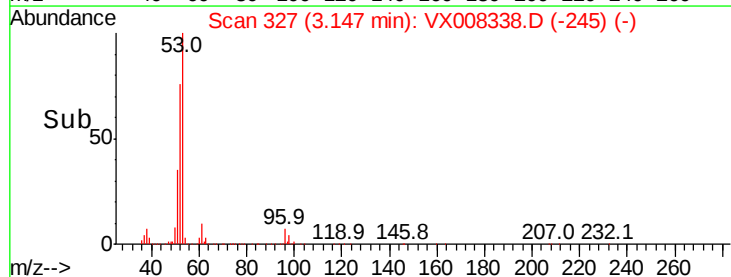
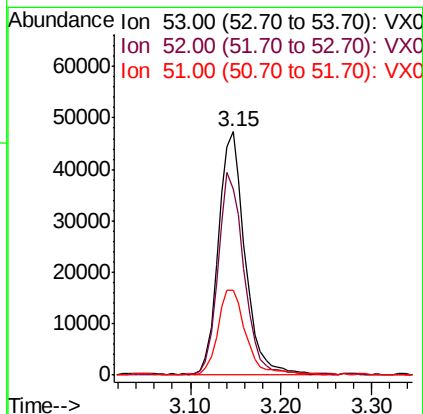
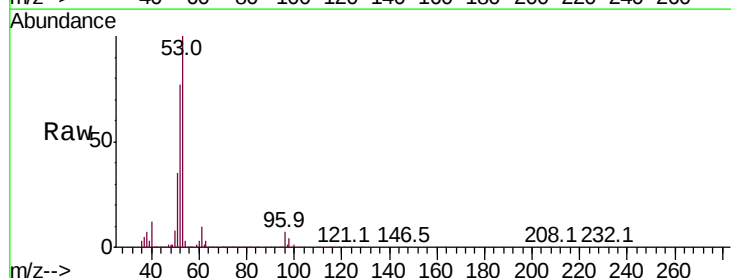
Tgt Ion: 53 Resp: 96705

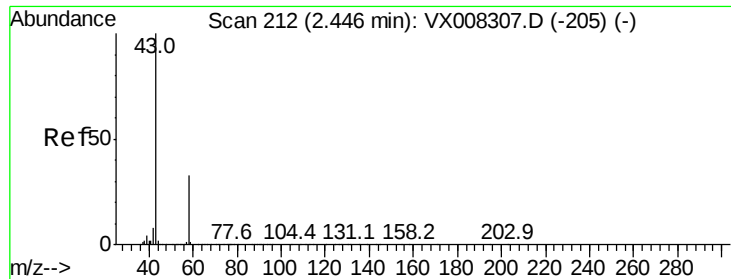
Ion Ratio Lower Upper

53 100

52 80.9 41.3 124.1

51 37.0 17.5 52.6





#15

Acetone

Concen: 83.190 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBS01

Tot Ion: 58 Resp: 30763

Ion Ratio Lower Upper

58 100

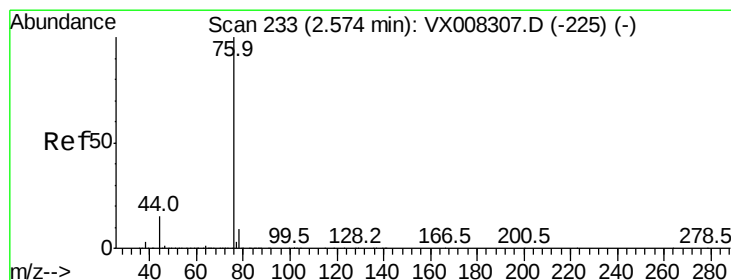
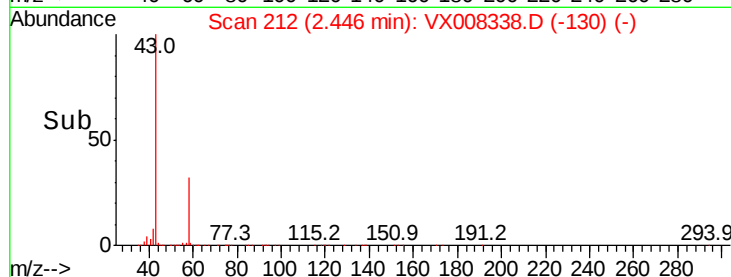
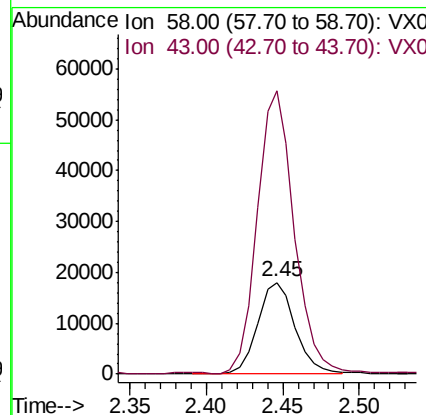
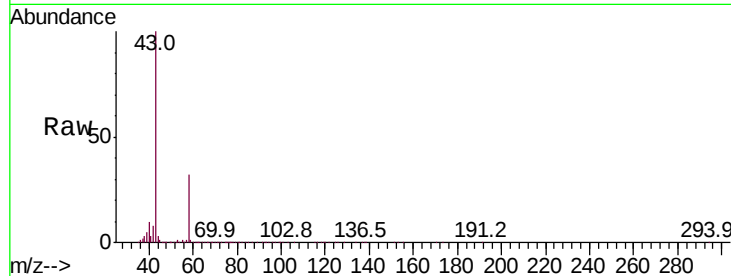
43 307.2 249.8 374.6

Manual Integrations

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#16

Carbon Disulfide

Concen: 20.005 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX008338.D

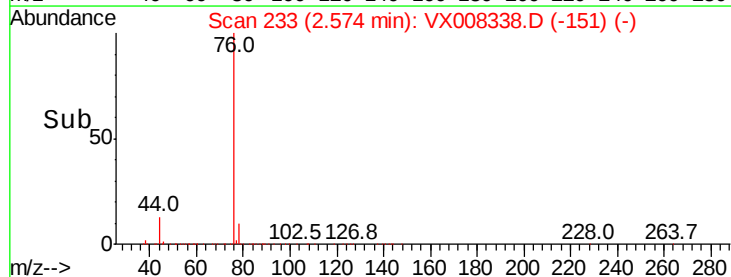
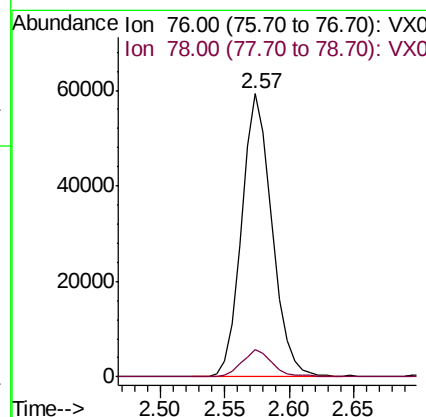
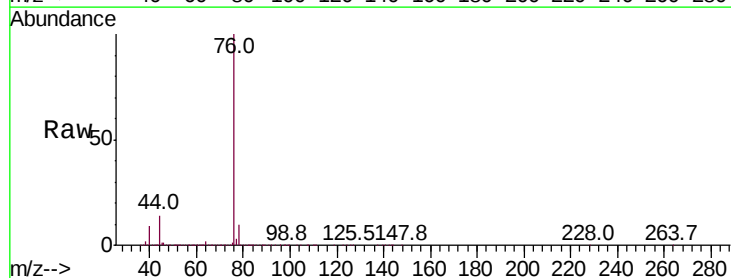
Acq: 22 Mar 2019 14:59

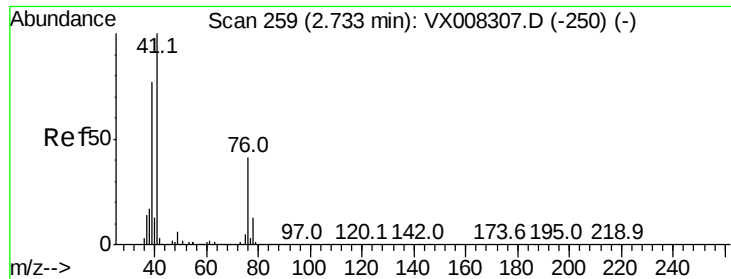
Tgt Ion: 76 Resp: 96591

Ion Ratio Lower Upper

76 100

78 9.6 7.5 11.3





#17

Allvl chloride

Concen: 19.478 ug/l

RT: 2.73 min Scan# 259

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

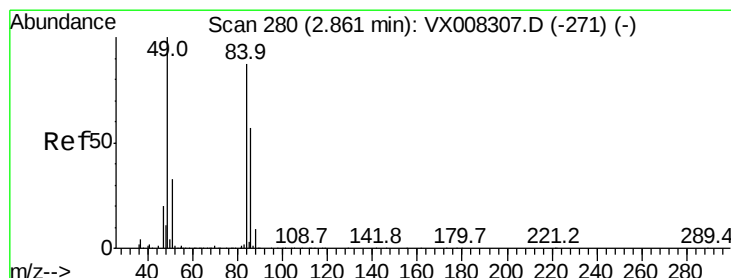
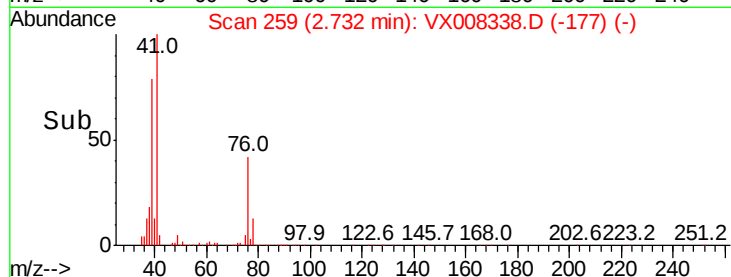
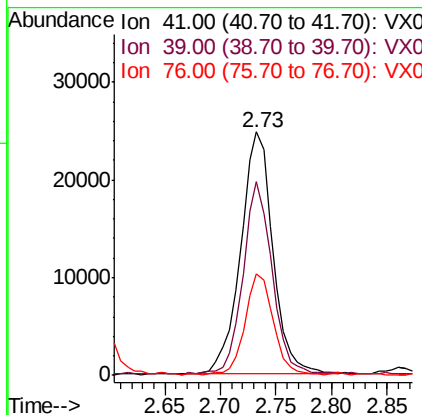
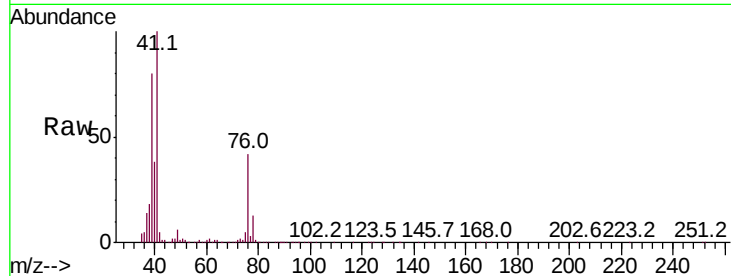
ClientSampleId :

VX0322WBS01

Tot Ion:	41	Resp:	50052
Ion Ratio		Lower	Upper
41	100		
39	78.9	35.8	107.4
76	41.4	18.3	54.9

Manual Integrations
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#18

Methylene Chloride

Concen: 20.450 ug/l

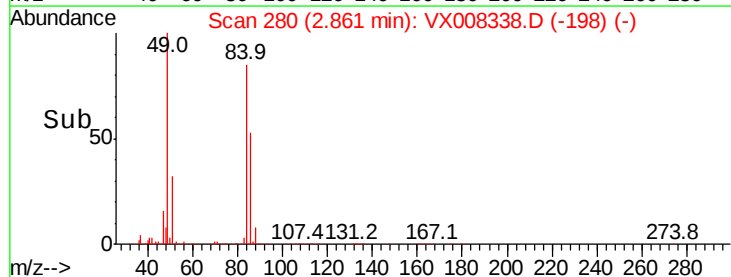
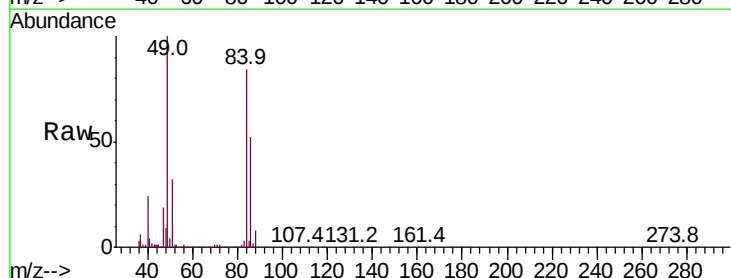
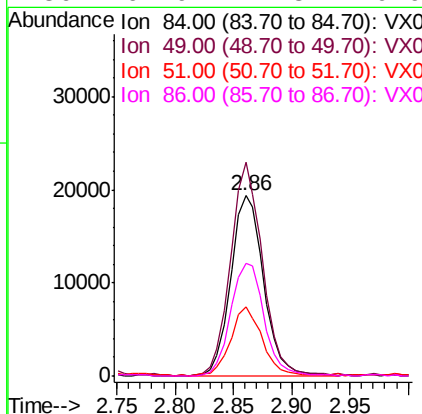
RT: 2.86 min Scan# 280

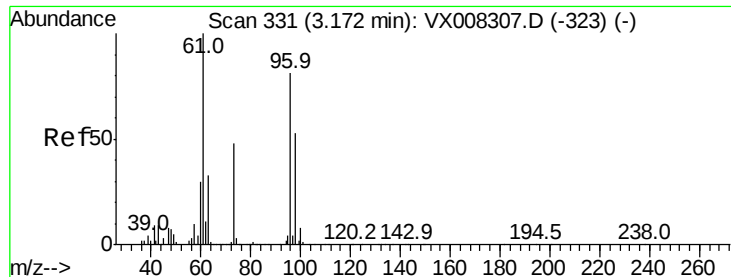
Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Tgt Ion:	84	Resp:	38336
Ion Ratio		Lower	Upper
84	100		
49	118.1	96.1	144.1
51	37.4	29.1	43.7
86	61.9	47.3	70.9





#19

trans-1,2-Dichloroethene

Concen: 20.047 ug/l

RT: 3.17 min Scan# 331

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

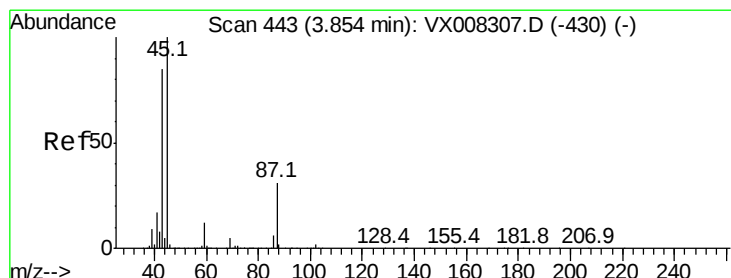
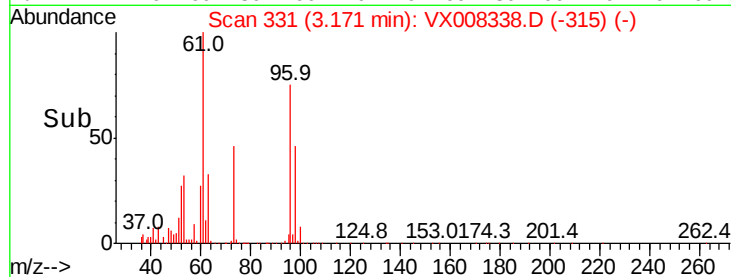
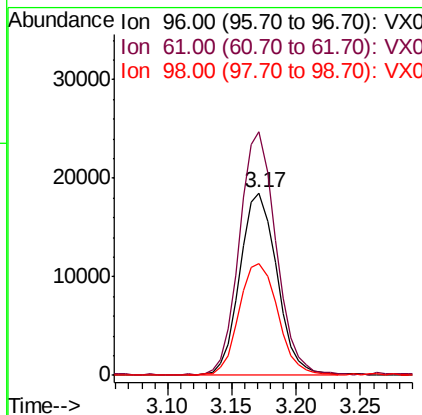
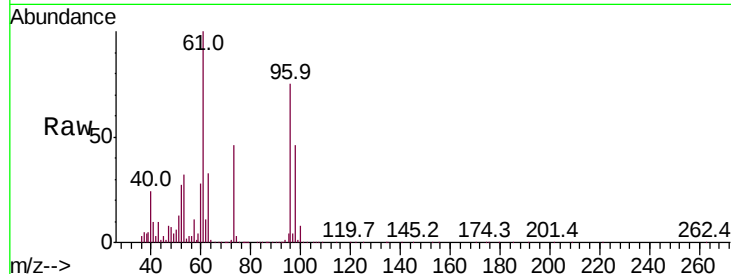
ClientSampleId :

VX0322WBS01

Tot Ion:	96	Resp:	37057
Ion	Ratio	Lower	Upper
96	100		
61	132.8	109.9	164.9
98	61.2	50.4	75.6

Manual Integrations
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#20

Diisopropyl ether

Concen: 20.231 ug/l

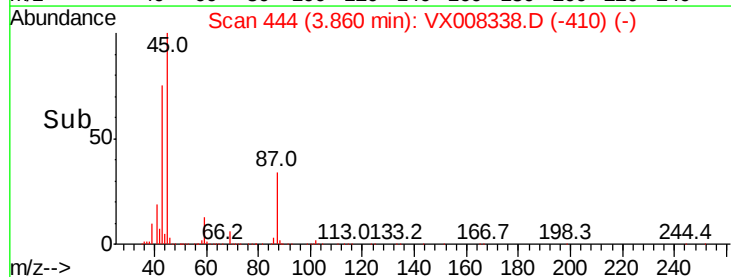
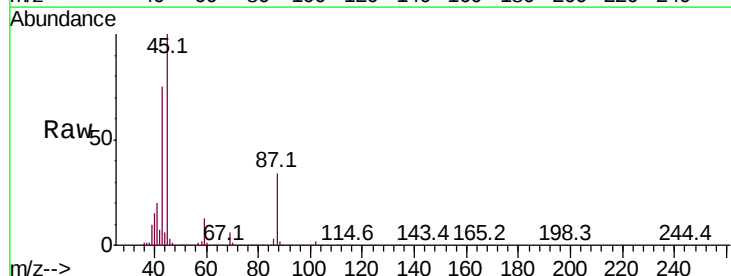
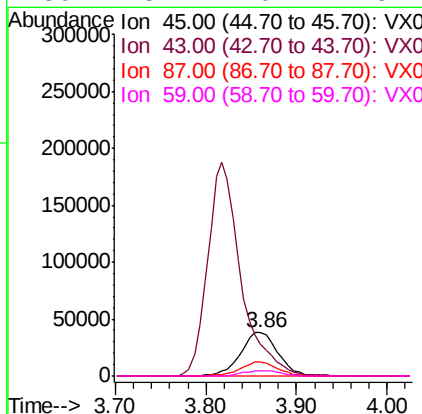
RT: 3.86 min Scan# 444

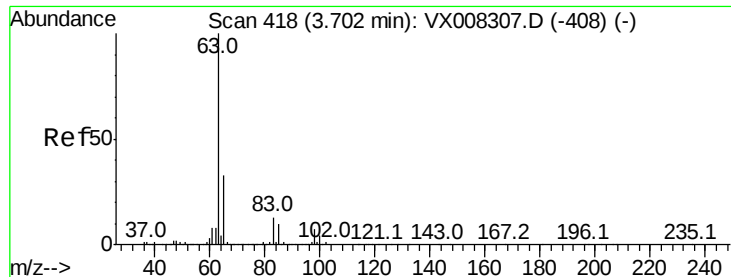
Delta R.T. 0.01 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Tgt Ion:	45	Resp:	108700
Ion	Ratio	Lower	Upper
45	100		
43	73.7	50.6	76.0
87	33.5	24.5	36.7
59	13.1	10.2	15.2





#21

1,1-Dichloroethane

Concen: 20.084 ug/l

RT: 3.70 min Scan# 418

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

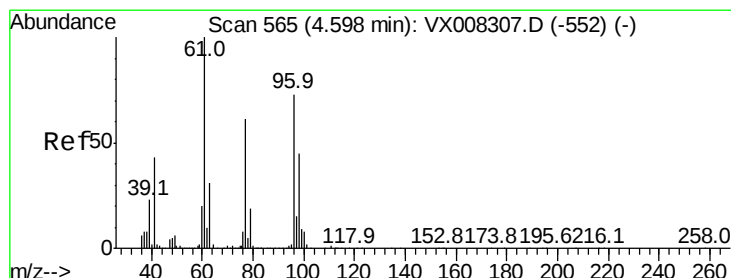
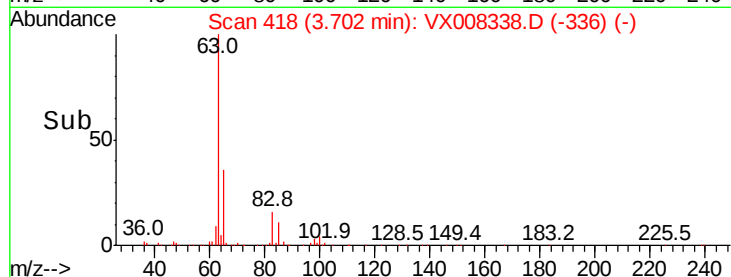
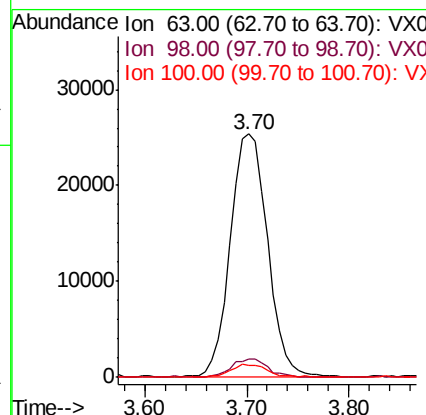
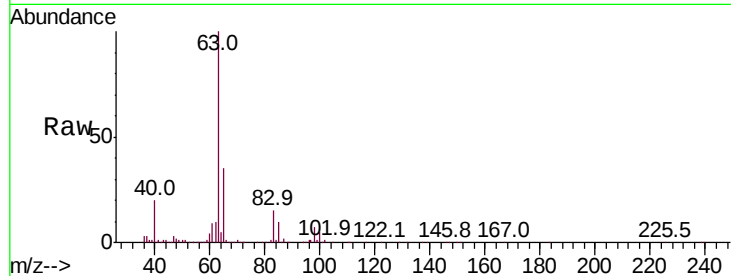
ClientSampleId :

VX0322WBS01

Tot Ion:	63	Resp:	63730
Ion Ratio	Lower	Upper	
63	100		
98	7.5	3.8	11.4
100	4.8	2.4	7.1

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 20.077 ug/l

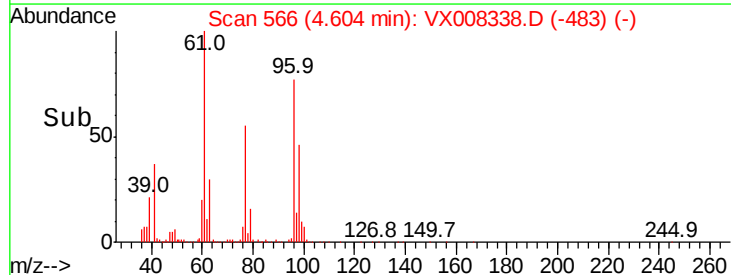
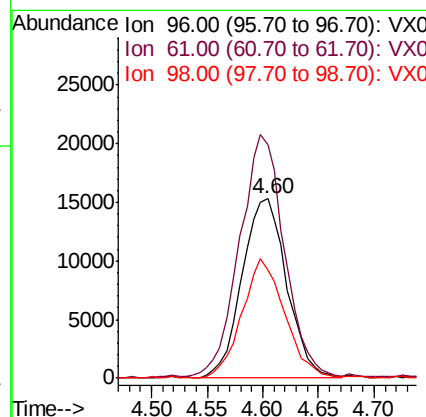
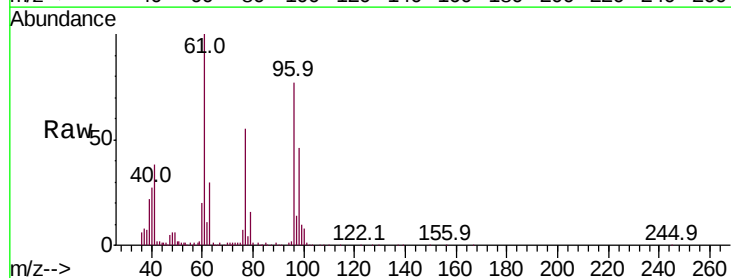
RT: 4.60 min Scan# 566

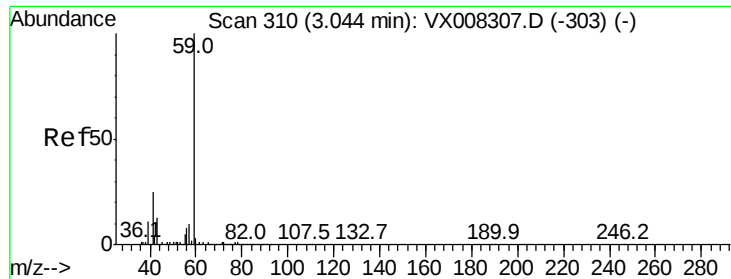
Delta R.T. 0.01 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Tgt Ion:	96	Resp:	42805
Ion Ratio	Lower	Upper	
96	100		
61	136.2	103.5	155.3
98	63.7	52.1	78.1





#23

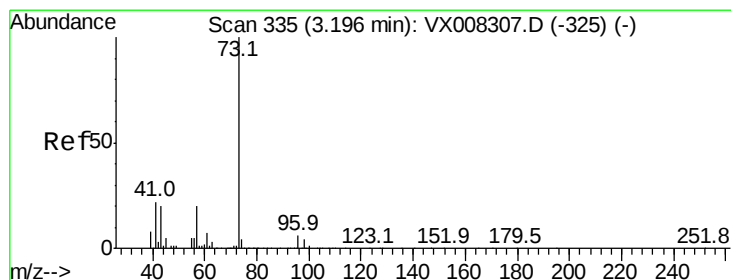
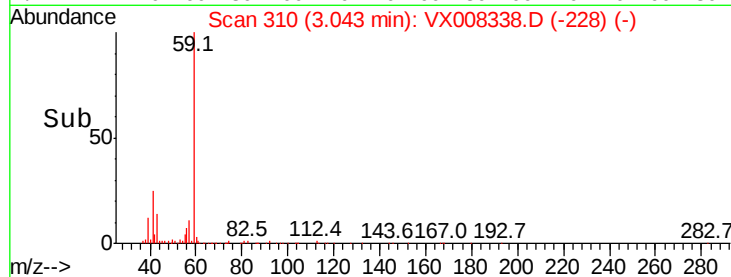
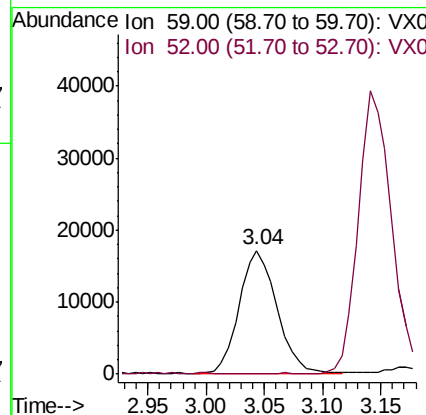
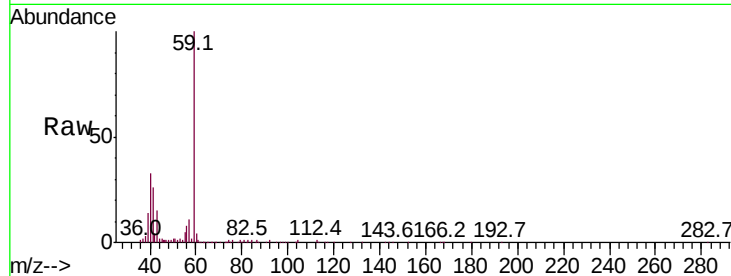
tert-Butyl Alcohol
 Concen: 100.817 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.00 min
 Lab File: VX008338.D
 Acq: 22 Mar 2019 14:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.2	0.2

Manual Integrations
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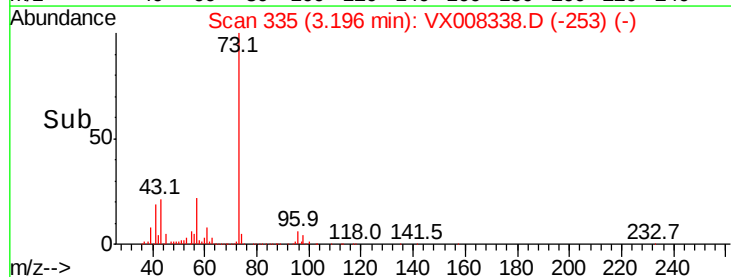
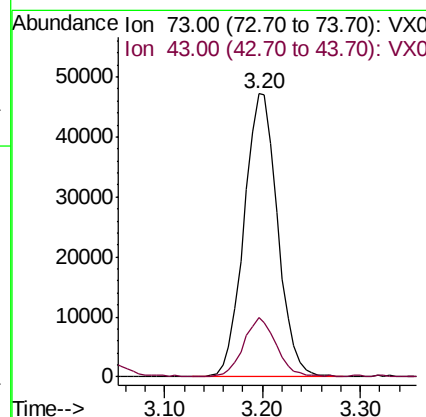
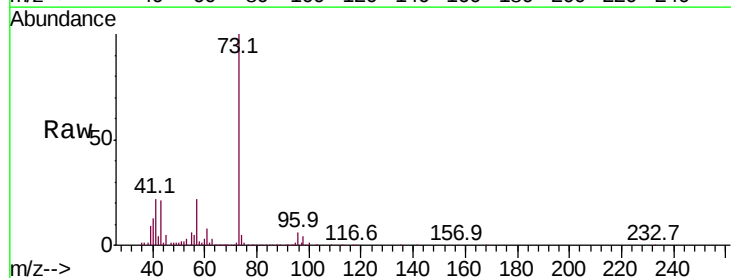
MMDadoda
 3/23/2019 9:33:28 AM

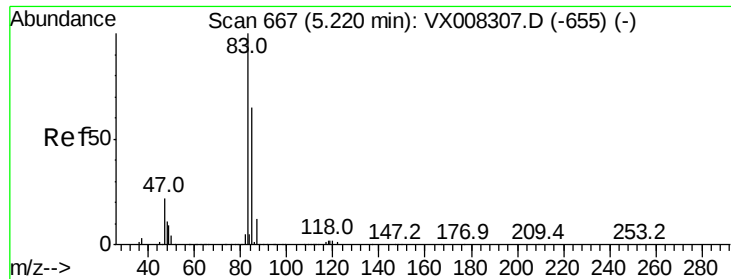


#24

Methyl tert-Butyl Ether
 Concen: 20.081 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX008338.D
 Acq: 22 Mar 2019 14:59

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.8	17.1	25.7





#25

Chloroform

Concen: 20.512 ug/l

RT: 5.22 min Scan# 667

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBS01

Tot Ion: 83 Resp: 69045

Ion Ratio Lower Upper

83 100

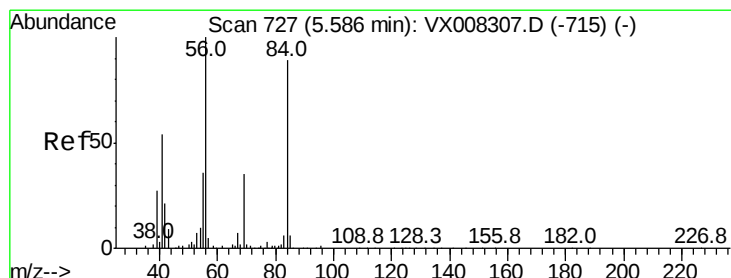
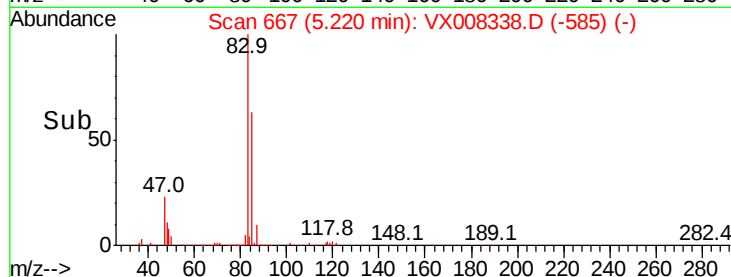
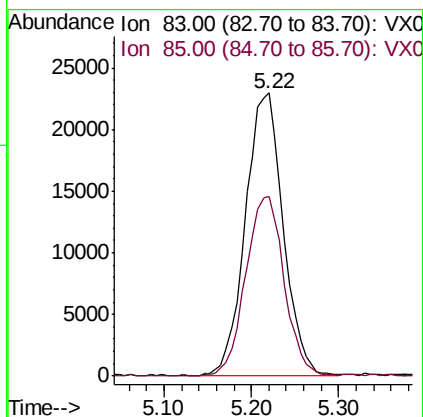
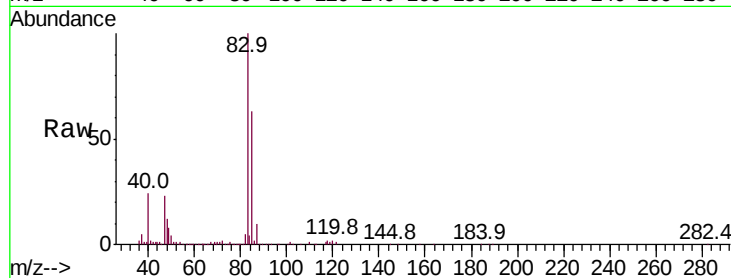
85 63.5 53.8 80.6

Manual Integrations

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3/23/2019 9:33:28 AM



#26

Cyclohexane

Concen: 20.286 ug/l

RT: 5.59 min Scan# 727

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

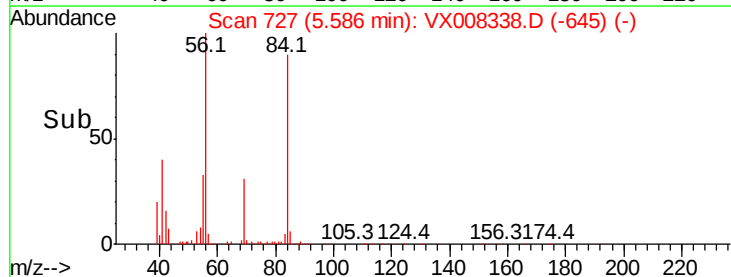
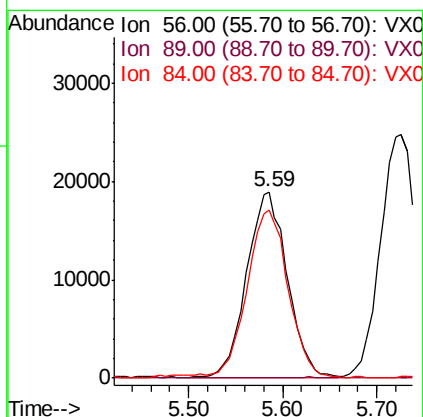
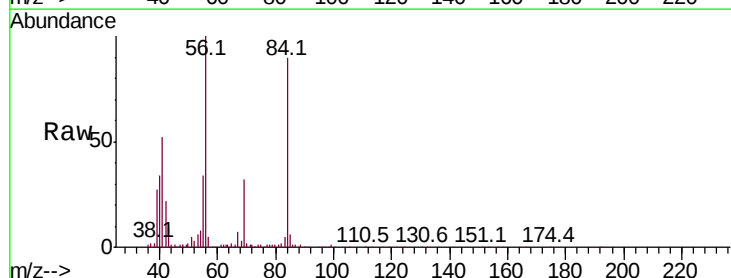
Tgt Ion: 56 Resp: 56929

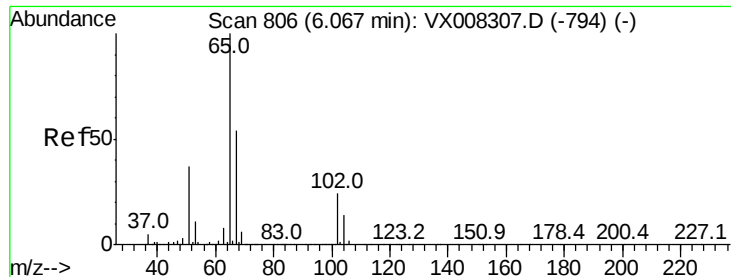
Ion Ratio Lower Upper

56 100

89 0.1 0.0 0.0#

84 91.7 73.9 110.9





#27

1,2-Dichloroethane-d4

Concen: 31.053 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBS01

Tot Ion: 65 Resp: 68771

Ion Ratio Lower Upper

65 100

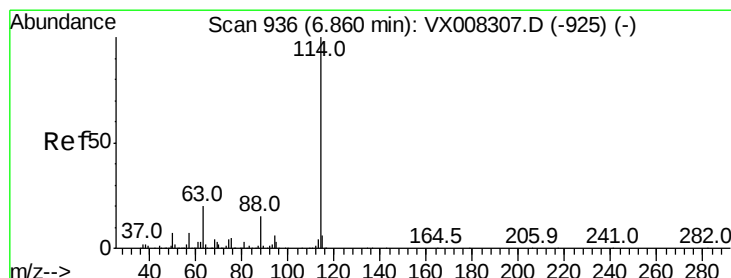
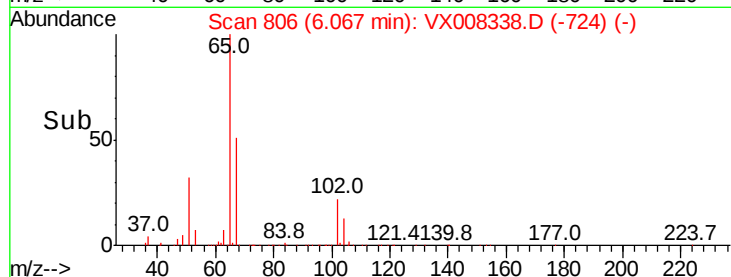
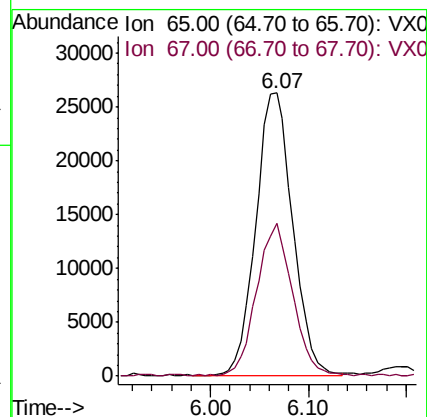
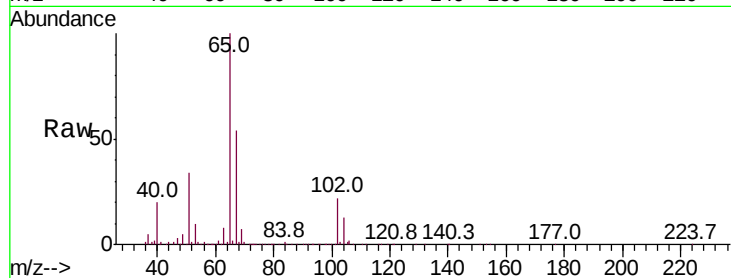
67 52.6 42.9 64.3

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

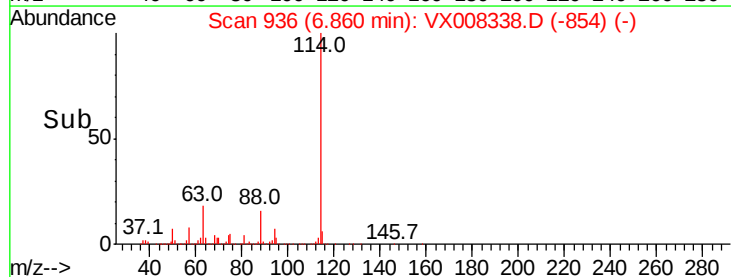
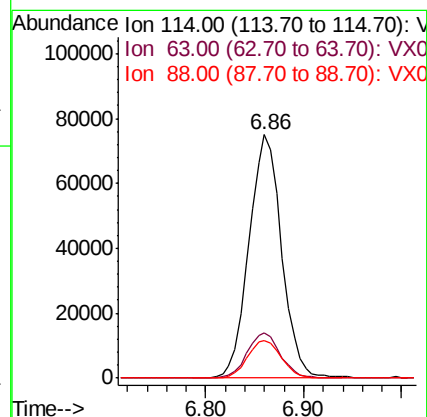
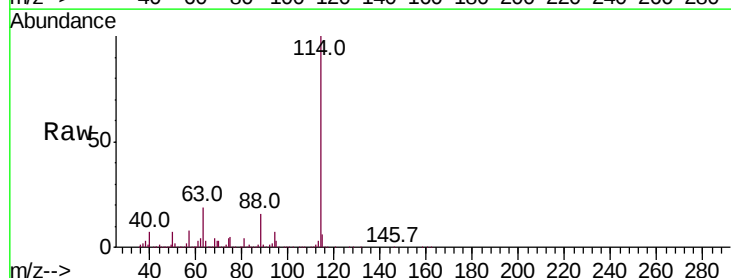
Tgt Ion: 114 Resp: 173769

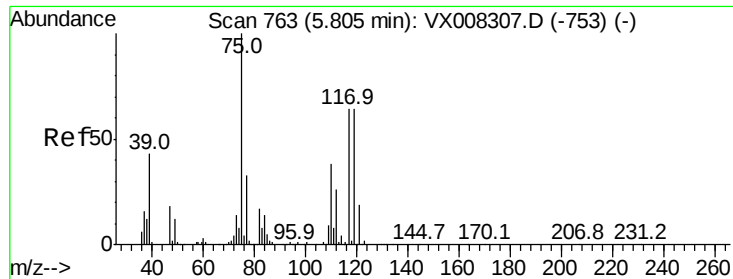
Ion Ratio Lower Upper

114 100

63 18.7 14.2 21.4

88 16.2 11.9 17.9





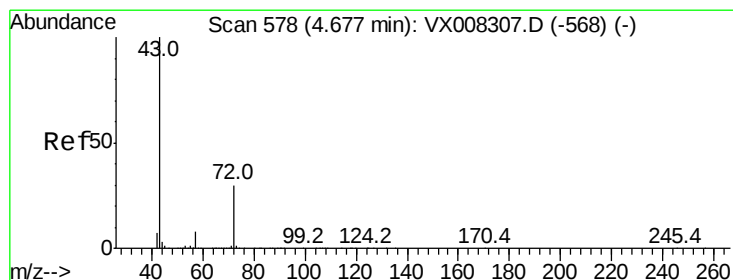
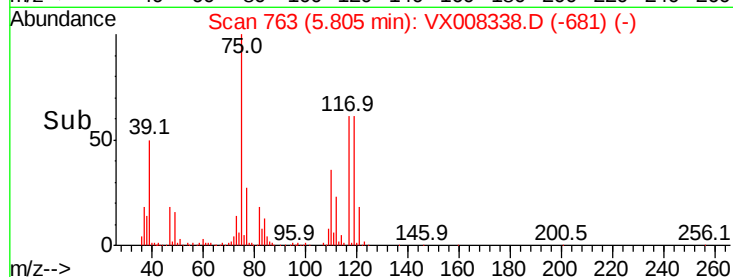
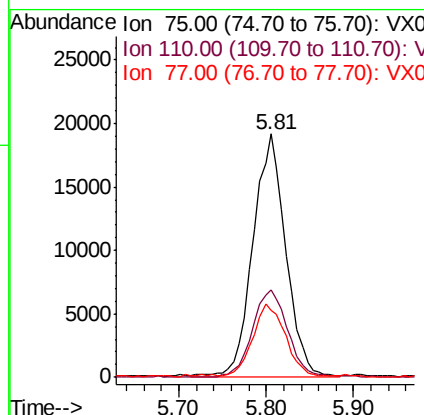
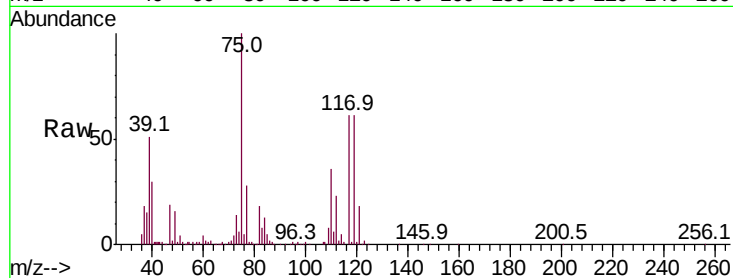
#29
1,1-Dichloropropene
Concen: 20.192 ug/l
RT: 5.81 min Scan# 763
Delta R.T. -0.00 min
Lab File: VX008338.D
Acq: 22 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.8	0.0	80.8
77	29.6	0.0	62.4

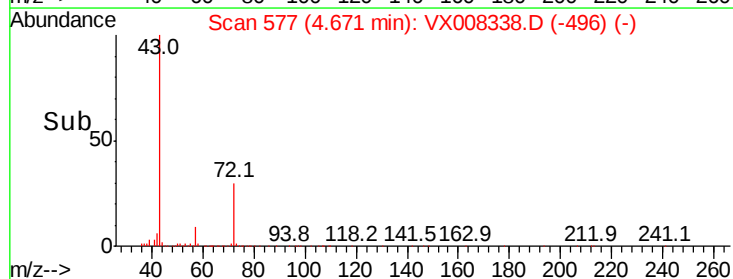
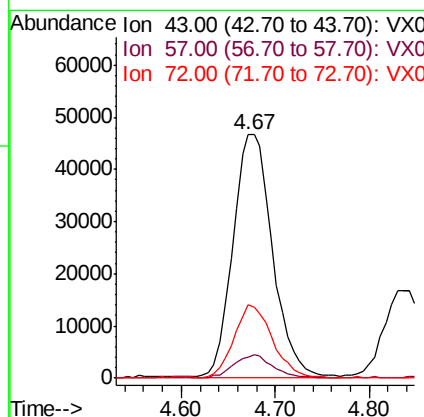
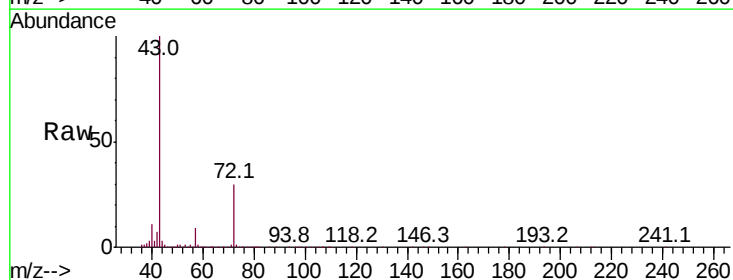
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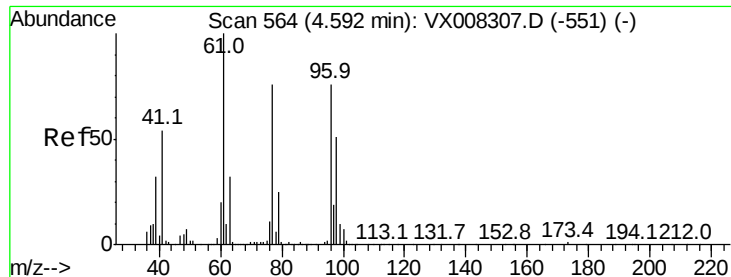
MMDadoda
3/23/2019 9:33:28 AM



#30
2-Butanone
Concen: 95.830 ug/l
RT: 4.67 min Scan# 577
Delta R.T. -0.01 min
Lab File: VX008338.D
Acq: 22 Mar 2019 14:59

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





#31

2,2-Dichloropropane

Concen: 19.179 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBS01

Tot Ion: 77 Resp: 44565

Ion Ratio Lower Upper

77 100

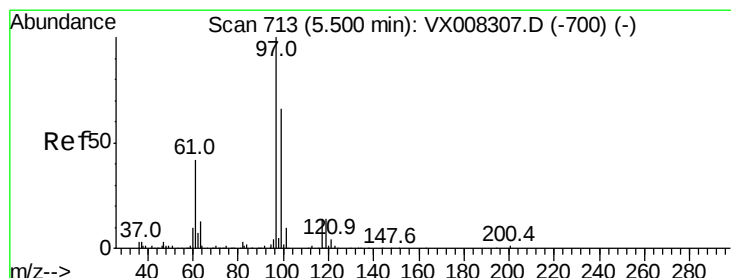
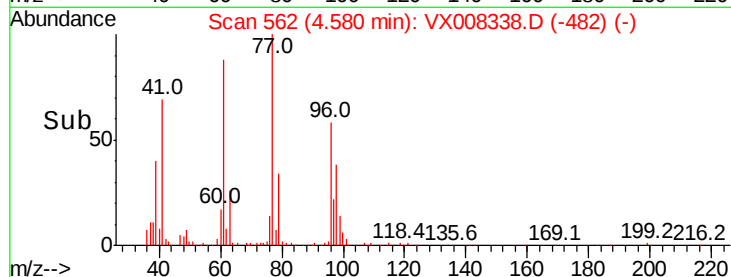
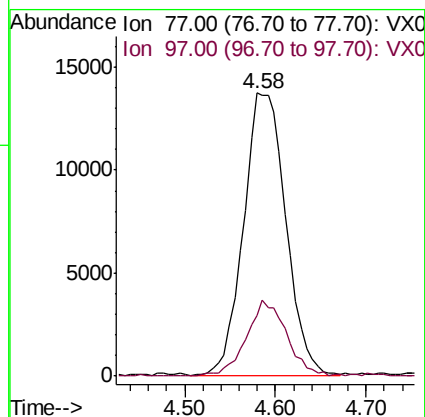
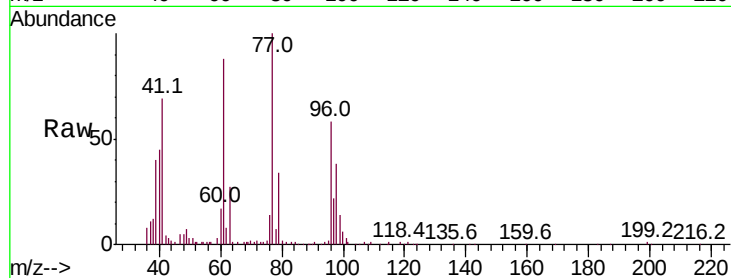
97 24.9 20.6 31.0

Manual Integrations

APPROVED

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#32

1,1,1-Trichloroethane

Concen: 20.059 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

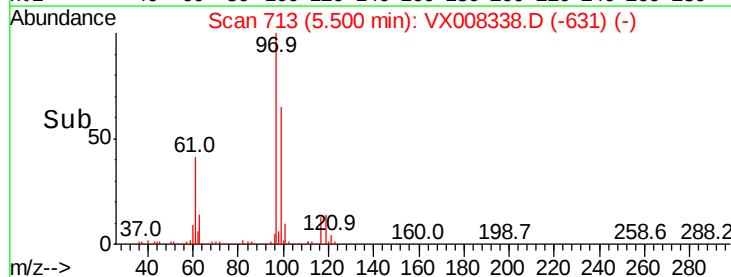
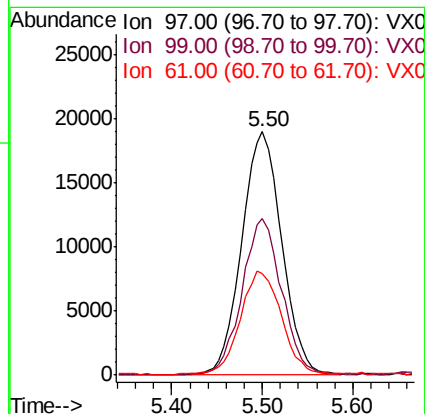
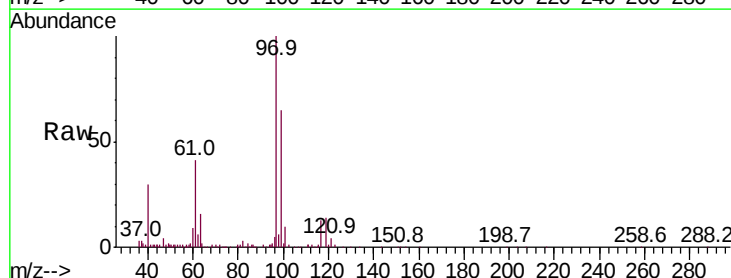
Tgt Ion: 97 Resp: 58250

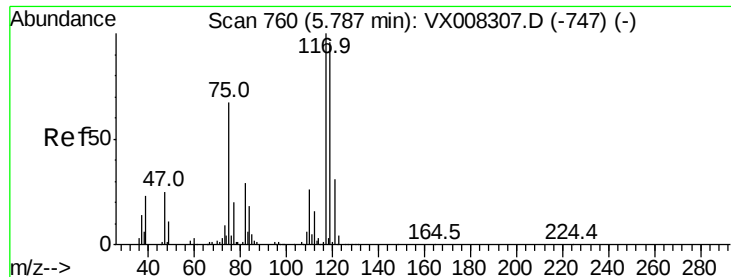
Ion Ratio Lower Upper

97 100

99 63.5 51.7 77.5

61 44.0 32.8 49.2





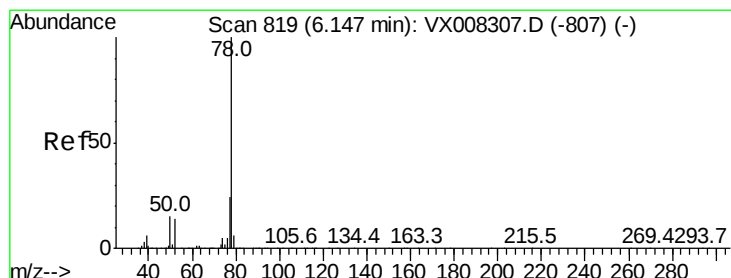
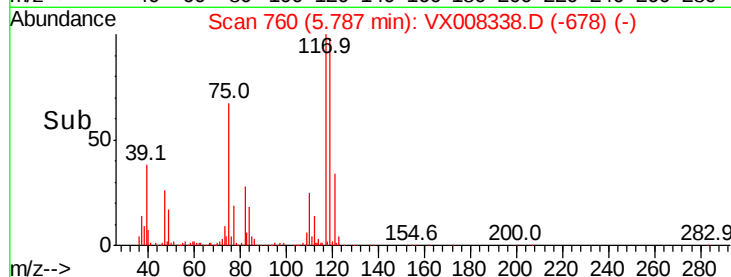
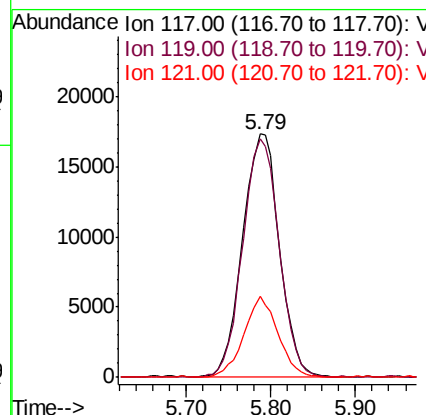
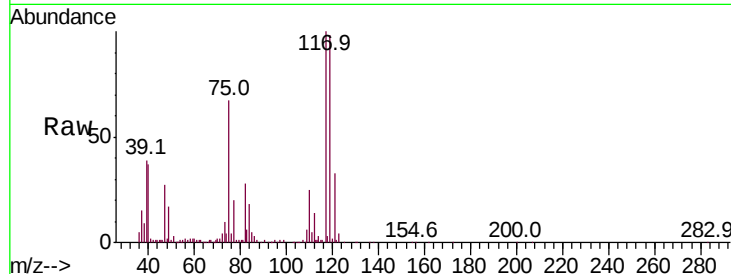
#33
Carbon Tetrachloride
Concen: 19.283 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX008338.D
Acq: 22 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.1	78.1	117.1
121	33.2	27.0	40.6

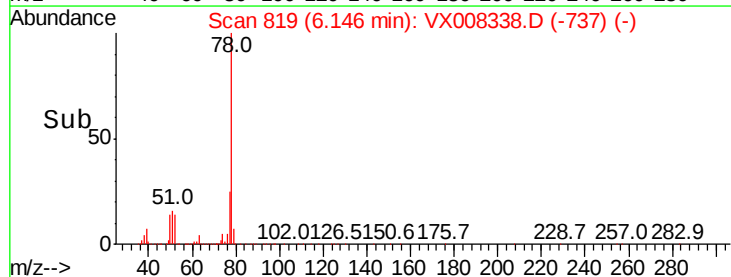
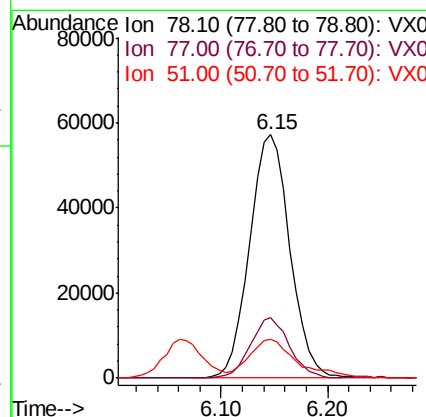
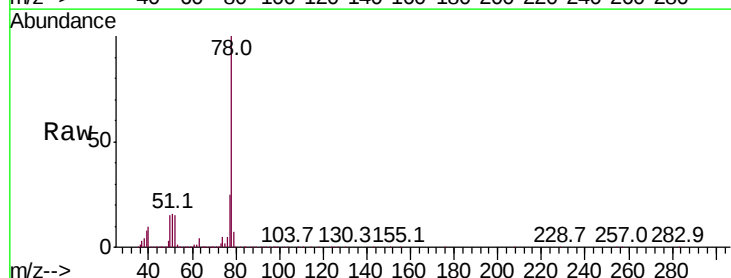
Manual Integrations
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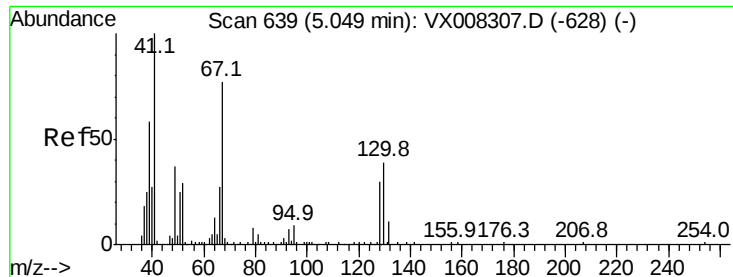
MMDadoda
3/23/2019 9:33:28 AM



#34
Benzene
Concen: 20.613 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX008338.D
Acq: 22 Mar 2019 14:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.1	28.7
51	14.2	10.8	16.2





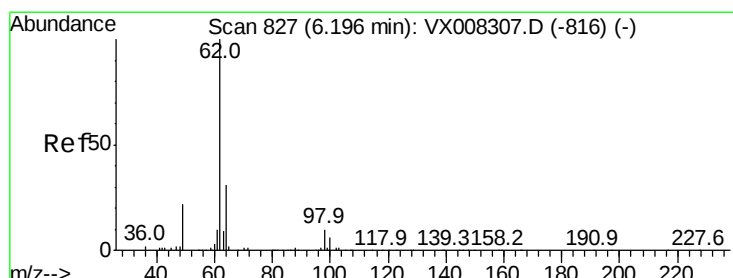
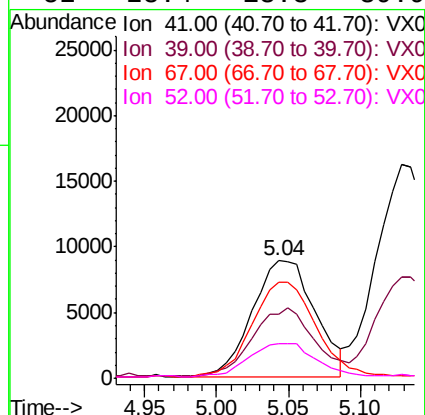
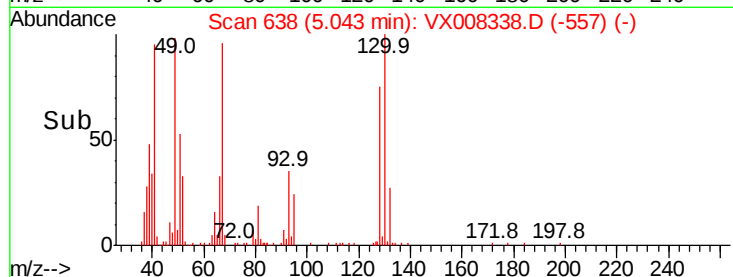
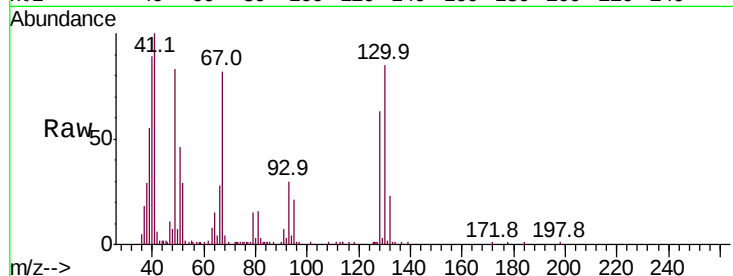
#35
Methacrylonitrile
Concen: 20.117 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX008338.D
Acq: 22 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.5	27.4	82.0
67	82.4	37.9	113.6
52	28.4	13.3	39.9

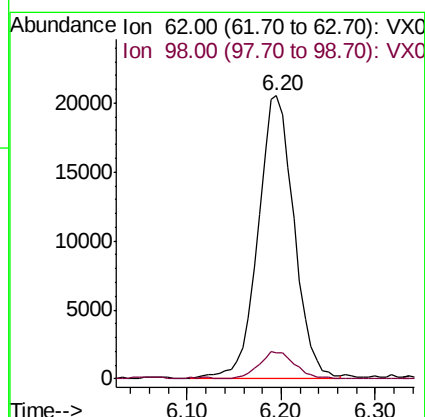
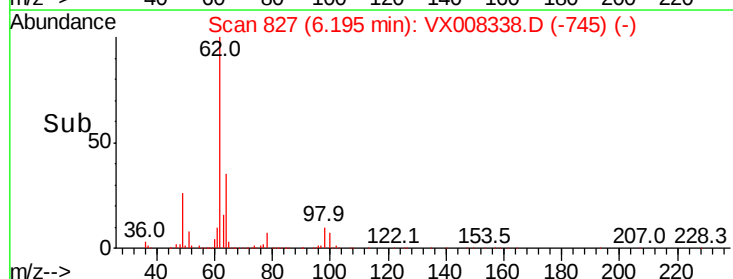
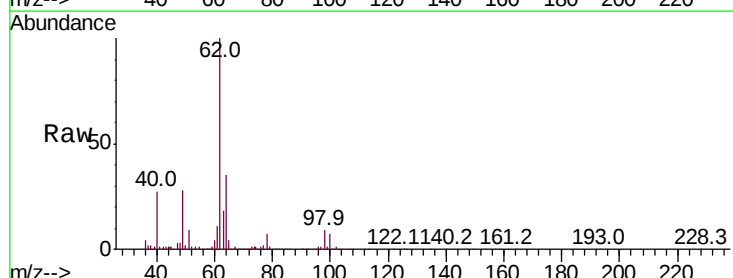
Manual Integrations
APPROVED

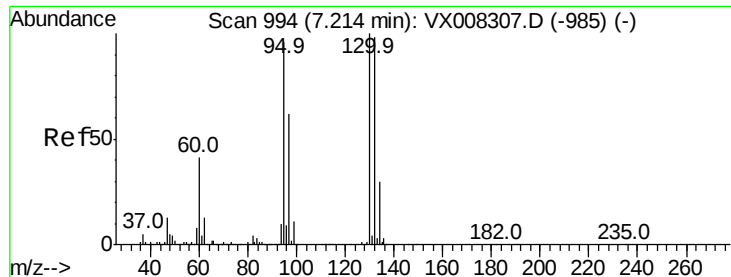
MMDadoda
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#36
1,2-Dichloroethane
Concen: 20.373 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX008338.D
Acq: 22 Mar 2019 14:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	7.8	11.8





#37

Trichloroethene

Concen: 19.758 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBS01

Tot Ion:130 Resp: 42708

Ion Ratio Lower Upper

130 100

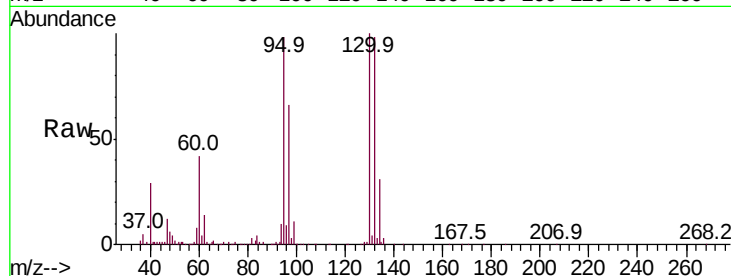
95 98.1 71.3 106.9

Manual Integrations

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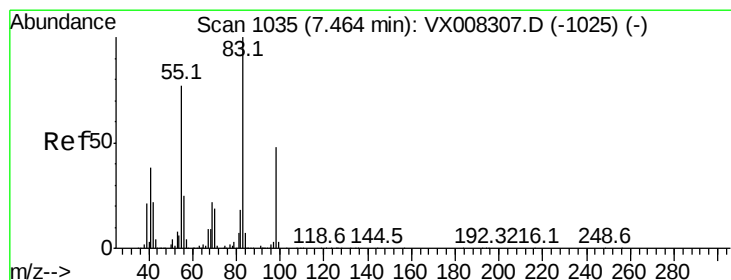
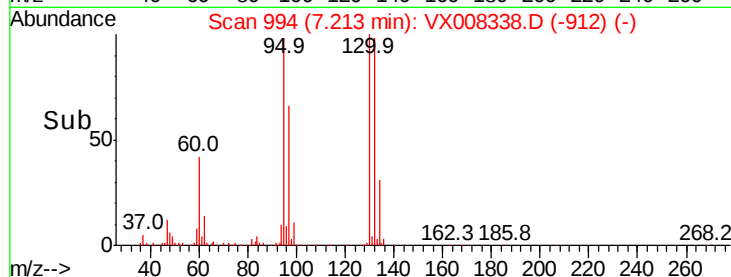
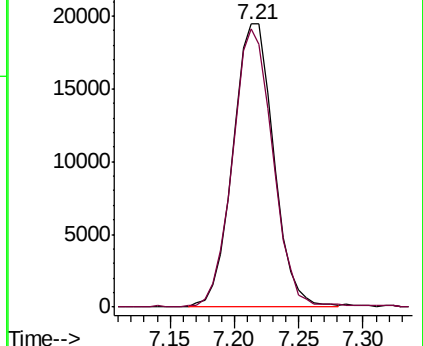
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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 19.173 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

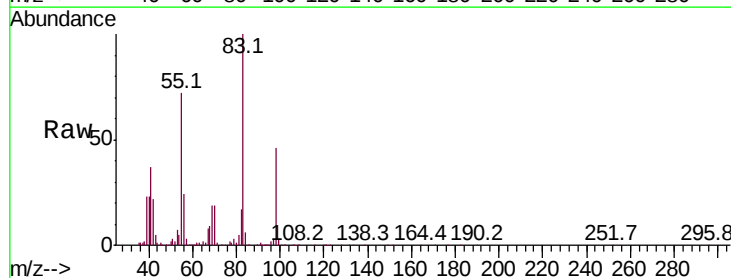
Tgt Ion: 83 Resp: 59305

Ion Ratio Lower Upper

83 100

55 73.4 36.0 108.0

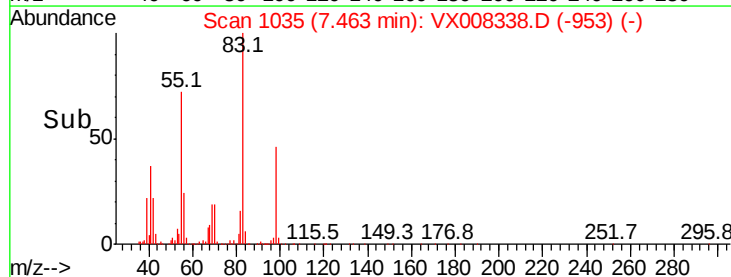
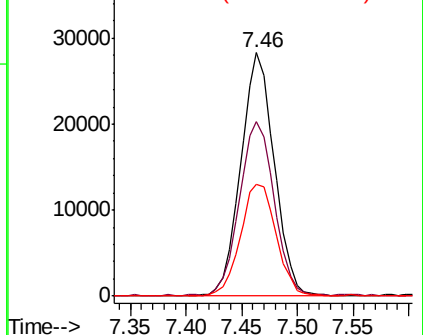
98 49.4 23.8 71.4

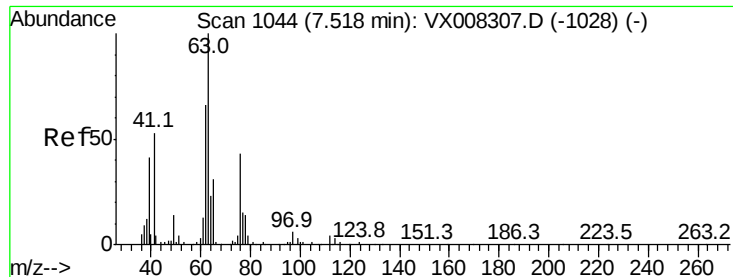


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#39

1,2-Dichloropropane

Concen: 20.406 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX008338.D

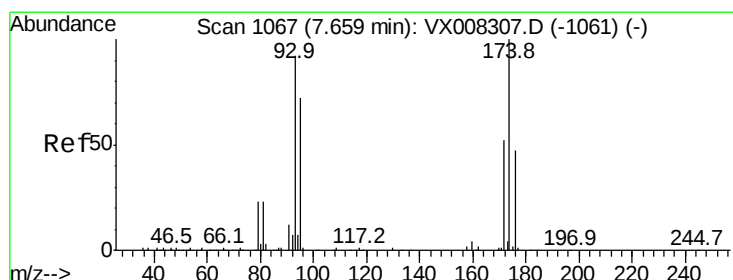
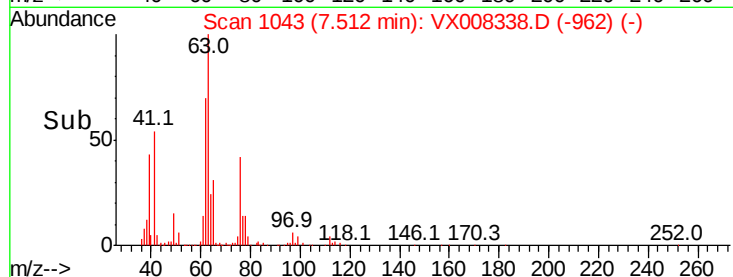
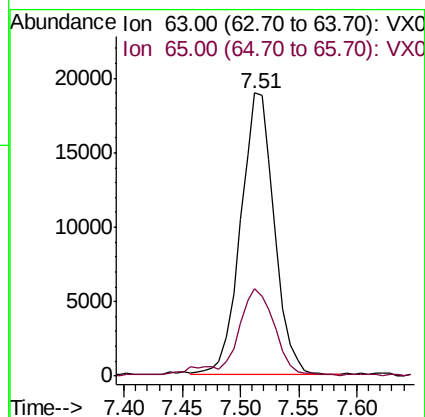
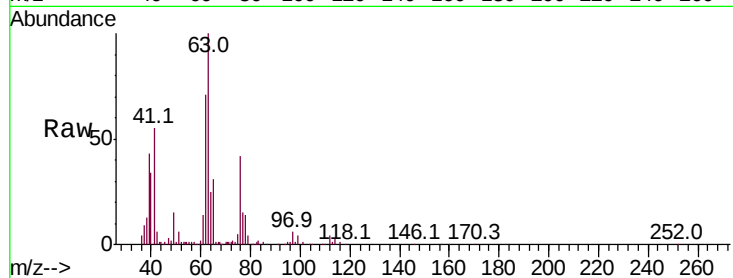
Acq: 22 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	37.0

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#40

Dibromomethane

Concen: 20.444 ug/l

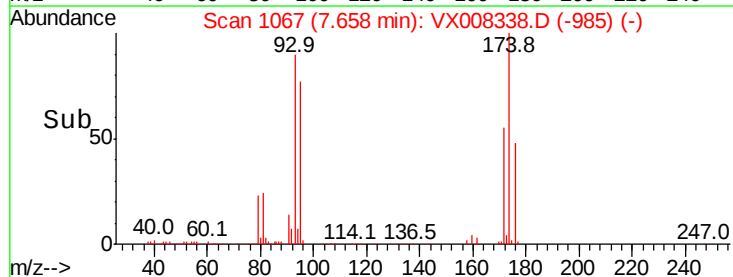
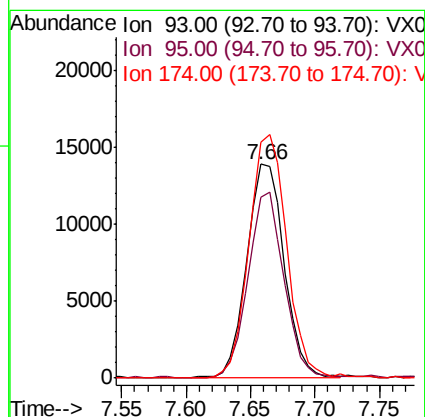
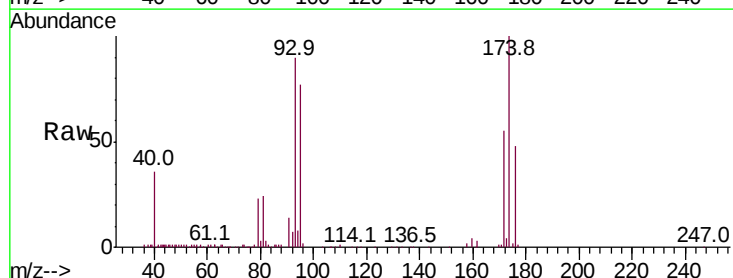
RT: 7.66 min Scan# 1067

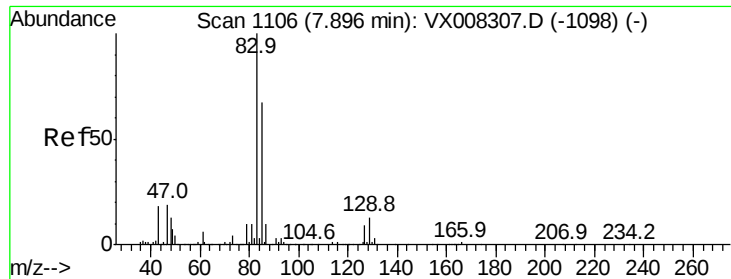
Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	0.0	158.8
174	113.8	0.0	224.2





#41

Bromodichloromethane

Concen: 20.217 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

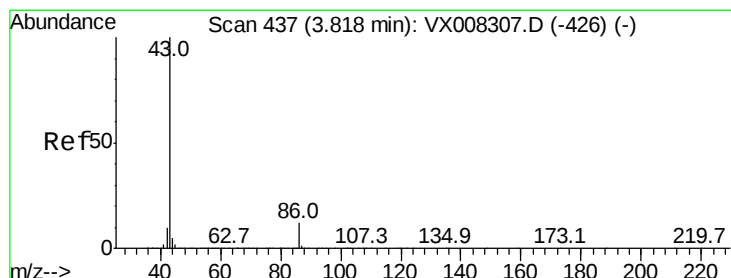
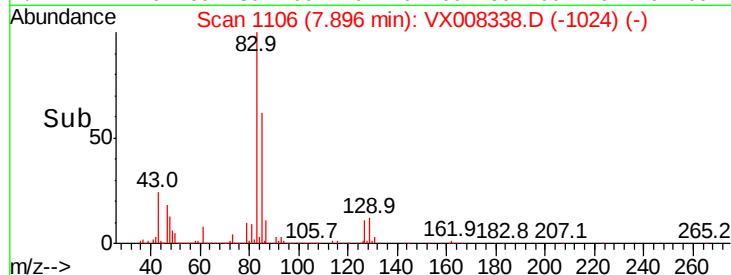
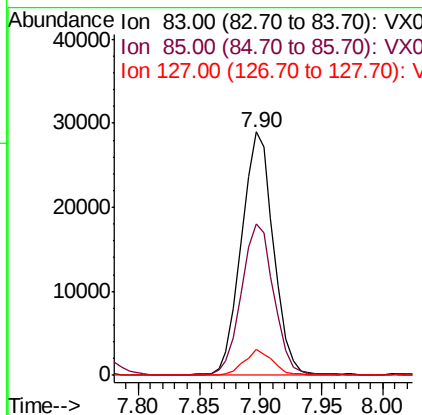
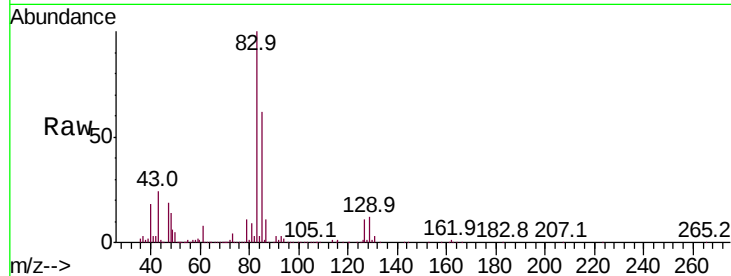
ClientSampleId :

VX0322WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.1	76.7
127	10.9	7.2	10.8

Manual Integrations
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#42

Vinyl Acetate

Concen: 100.593 ug/l

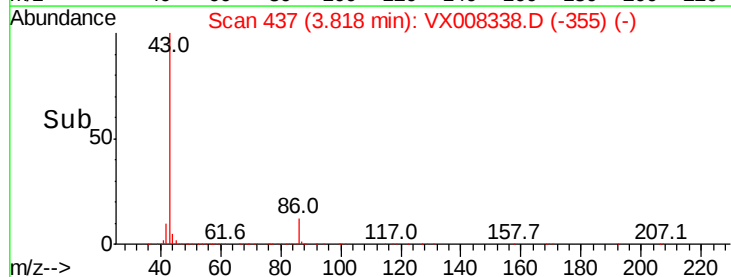
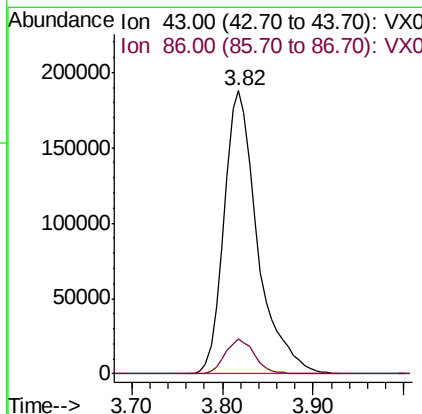
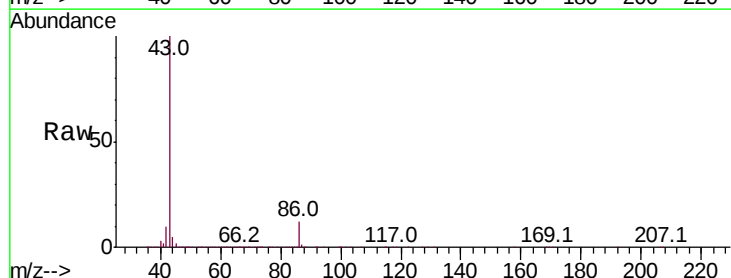
RT: 3.82 min Scan# 437

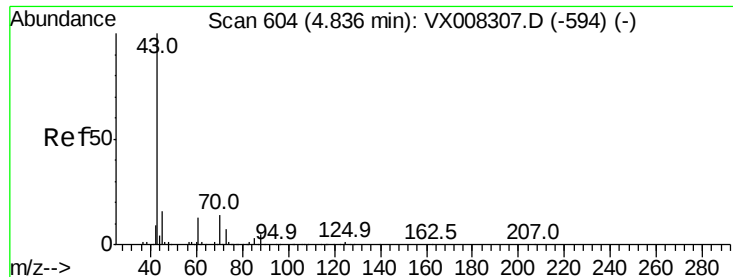
Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.2	12.2





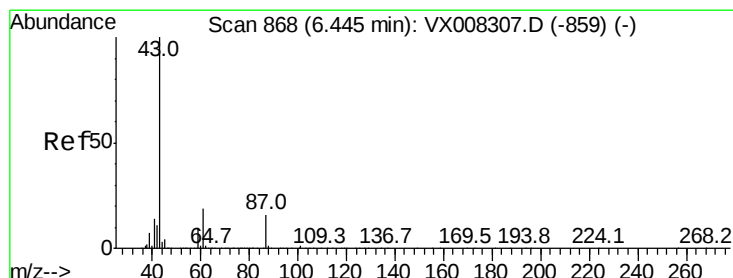
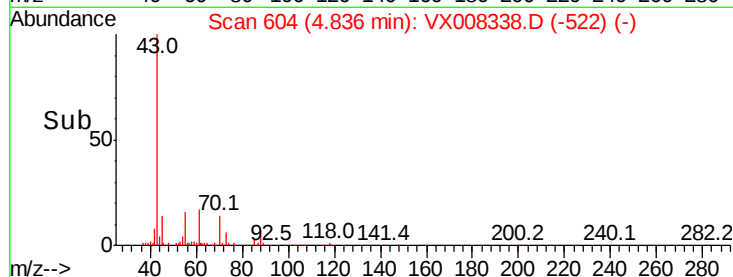
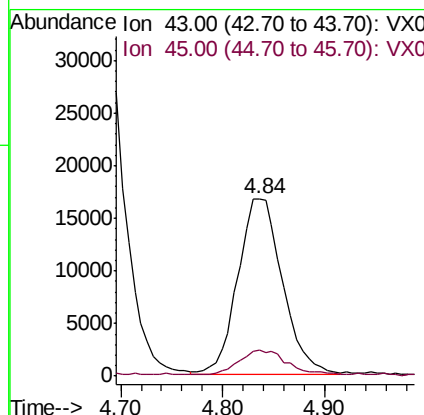
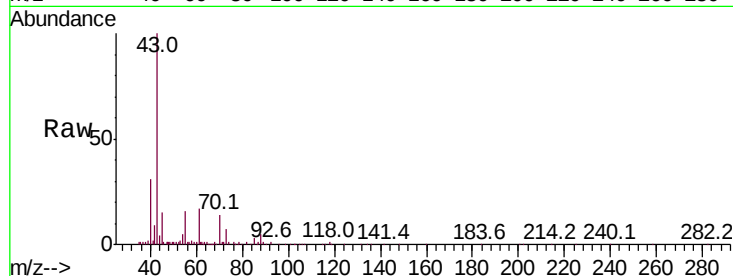
#43
Ethyl Acetate
Concen: 20.438 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX008338.D
Acq: 22 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion: 43 Resp: 51285
Ion Ratio Lower Upper
43 100
45 14.1 6.9 10.3#

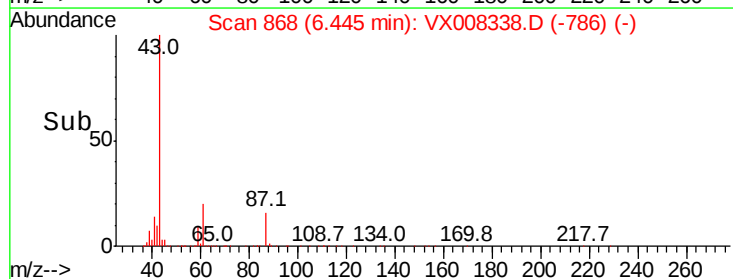
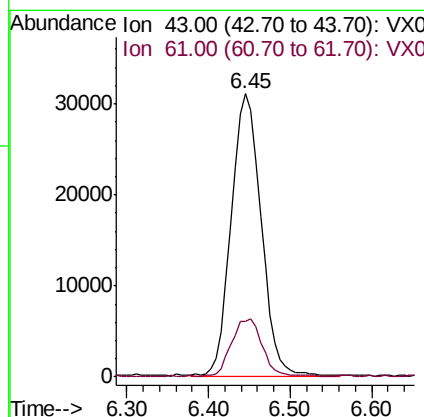
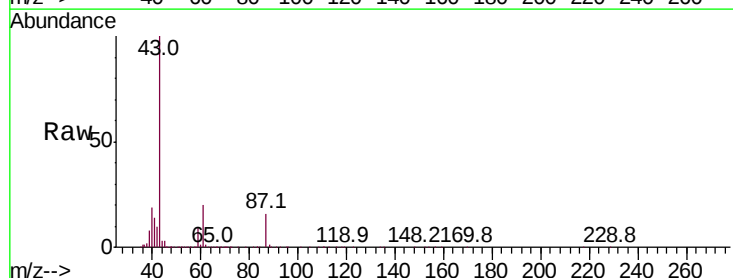
Manual Integrations
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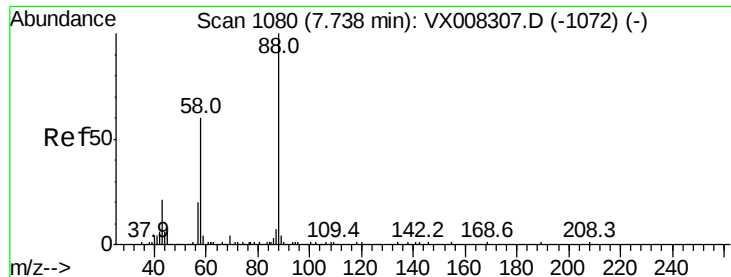
MMDadoda
3/23/2019 9:33:28 AM



#44
Isopropyl Acetate
Concen: 19.971 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX008338.D
Acq: 22 Mar 2019 14:59

Tgt Ion: 43 Resp: 78865
Ion Ratio Lower Upper
43 100
61 21.2 16.1 24.1





#45

1,4-Dioxane

Concen: 402.022 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

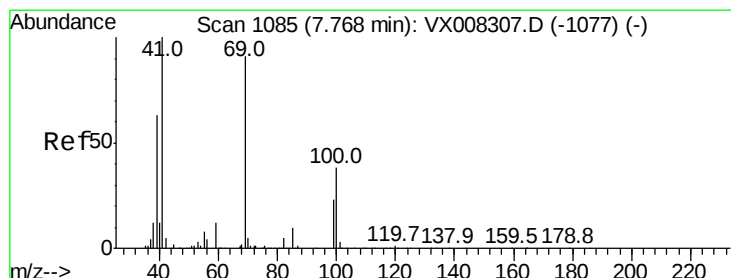
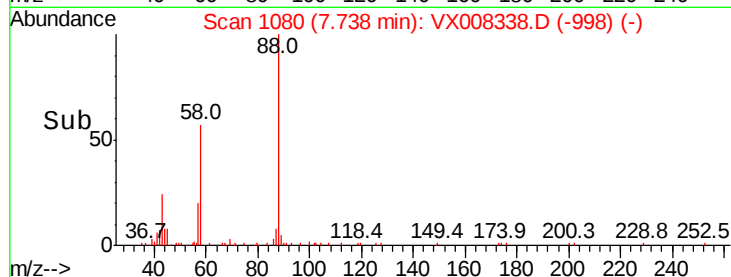
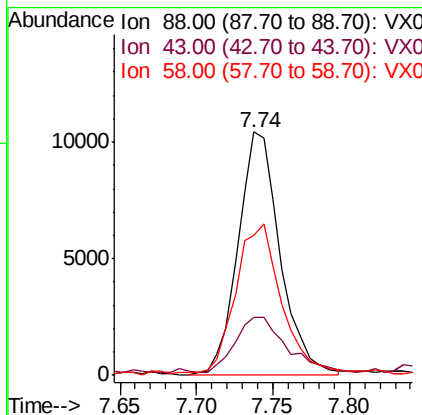
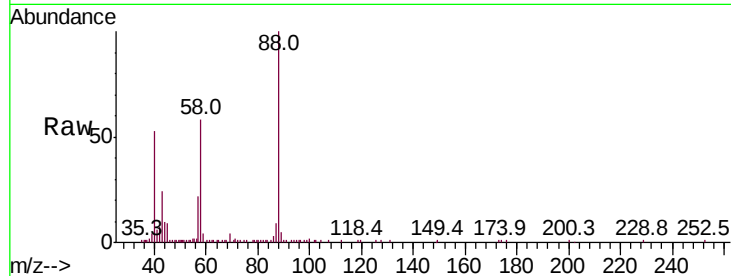
ClientSampleId :

VX0322WBS01

Tot Ion:	88	Resp:	19968
Ion	Ratio	Lower	Upper
88	100		
43	28.0	23.6	35.4
58	66.3	51.6	77.4

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#46

Methyl methacrylate

Concen: 20.655 ug/l

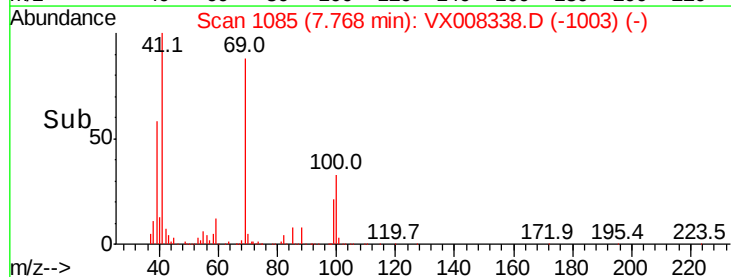
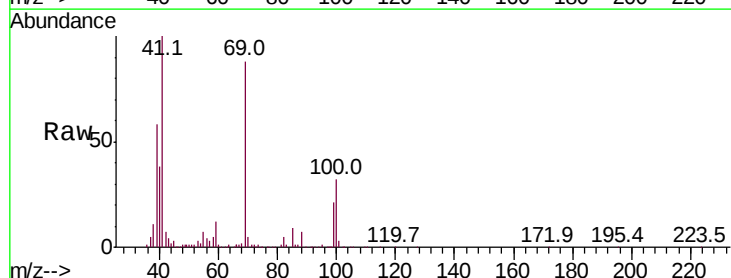
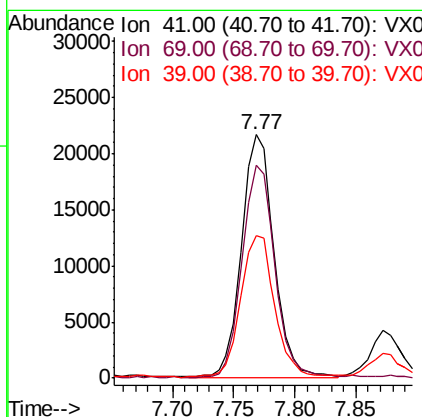
RT: 7.77 min Scan# 1085

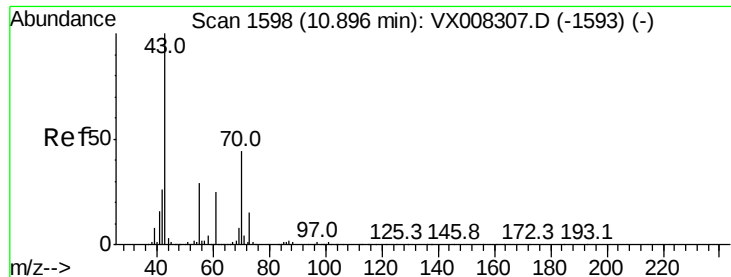
Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Tgt Ion:	41	Resp:	40023
Ion	Ratio	Lower	Upper
41	100		
69	87.9	44.2	132.6
39	58.0	29.9	89.8





#47

n-amvl Acetate

Concen: 19.300 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBS01

Tot Ion: 43 Resp: 65344

Ion Ratio Lower Upper

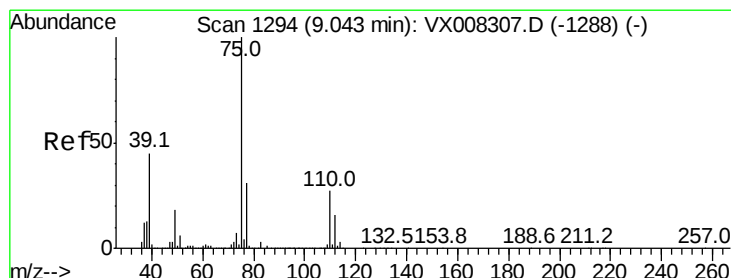
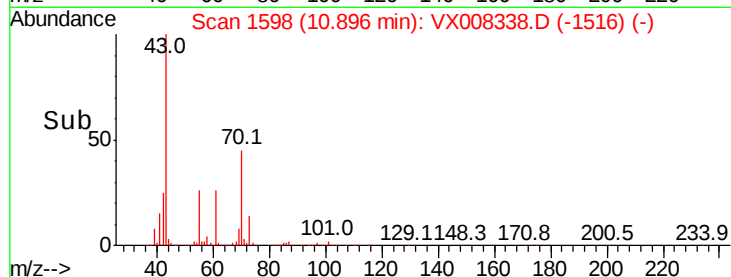
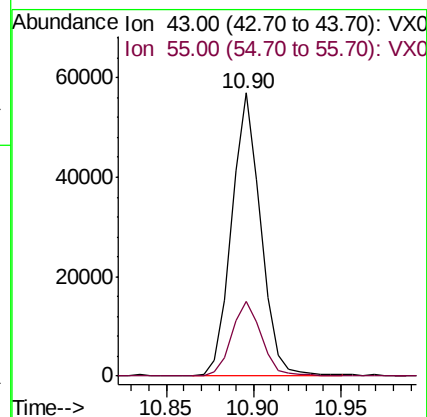
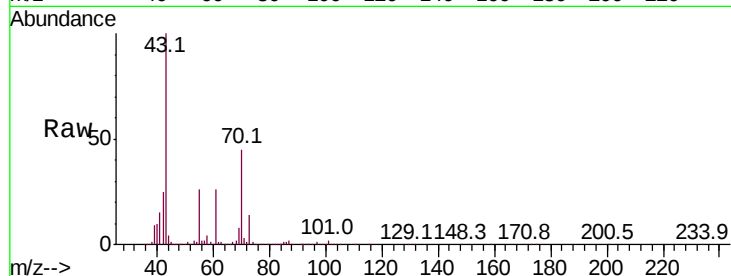
43 100

55 26.9 20.8 31.2

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#48

t-1,3-Dichloropropene

Concen: 18.928 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX008338.D

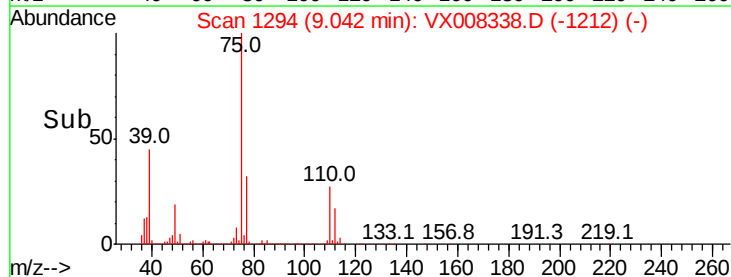
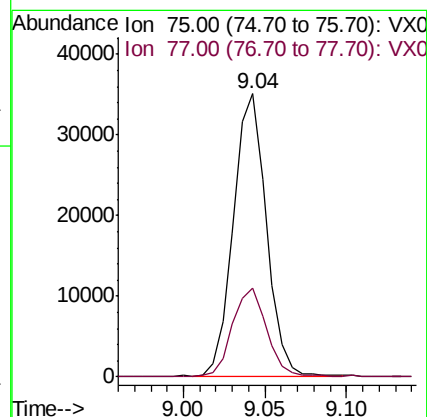
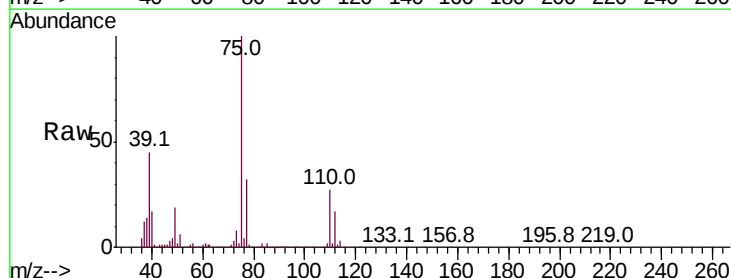
Acq: 22 Mar 2019 14:59

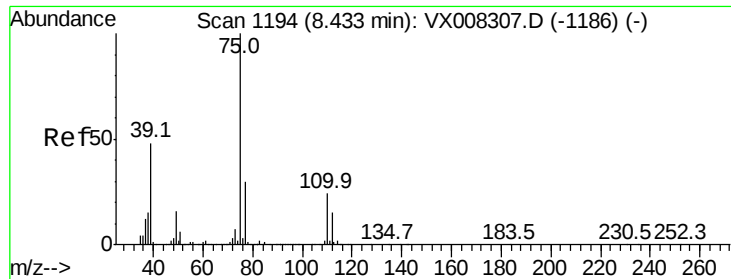
Tgt Ion: 75 Resp: 49337

Ion Ratio Lower Upper

75 100

77 31.4 24.5 36.7





#49

cis-1,3-Dichloropropene

Concen: 19.646 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX008338.D

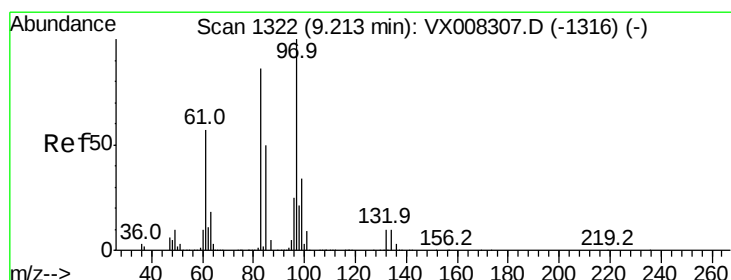
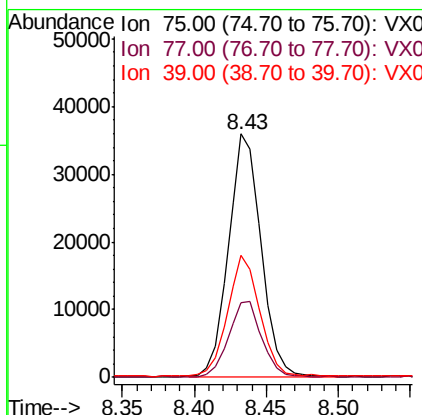
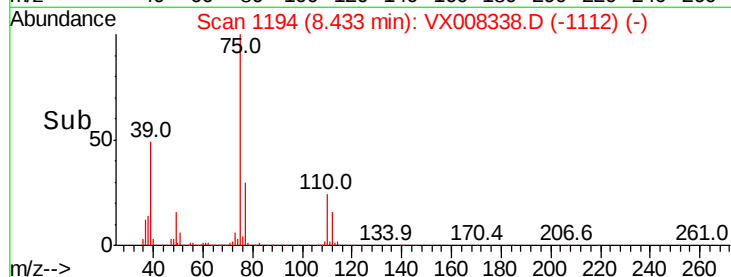
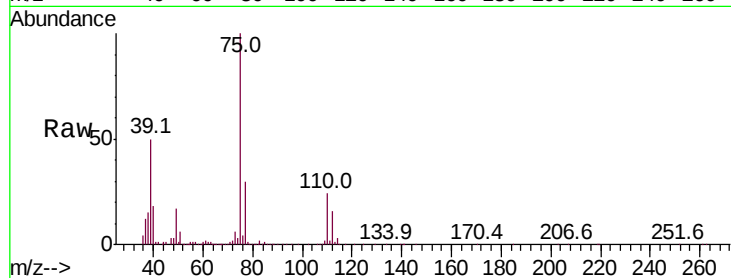
Acq: 22 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.0	37.4
39	49.6	38.5	57.7

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#50

1,1,2-Trichloroethane

Concen: 20.587 ug/l

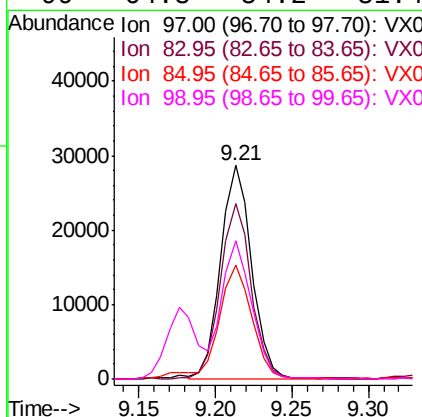
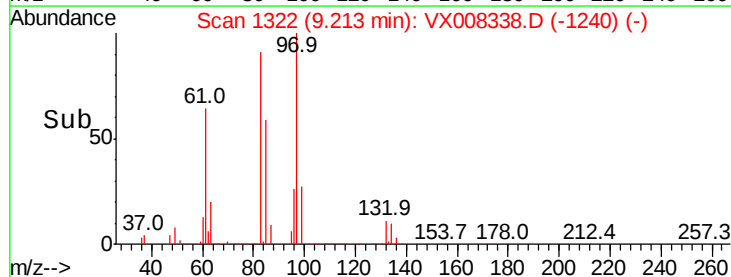
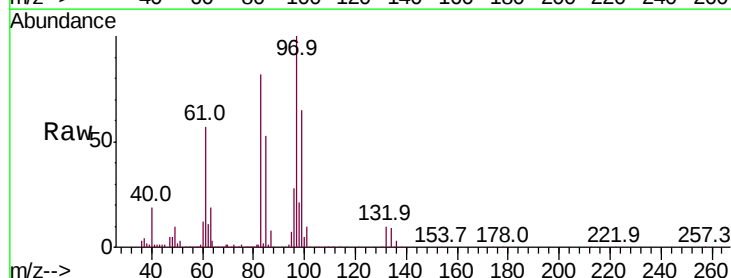
RT: 9.21 min Scan# 1322

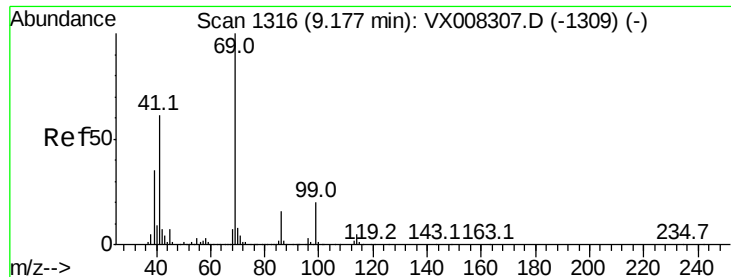
Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.7	72.0	108.0
85	53.1	45.0	67.6
99	64.8	54.2	81.4





#51

Ethyl methacrylate

Concen: 20.706 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

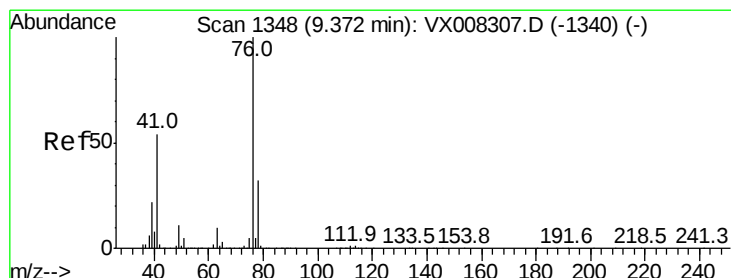
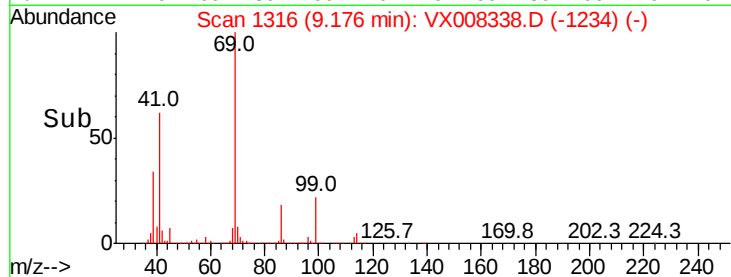
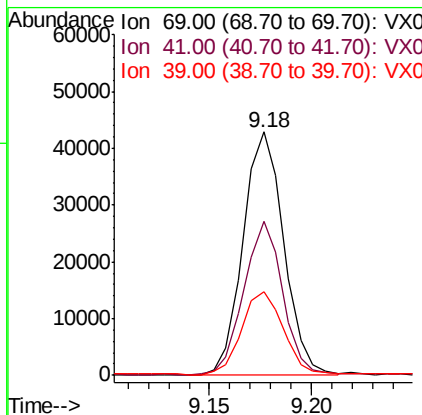
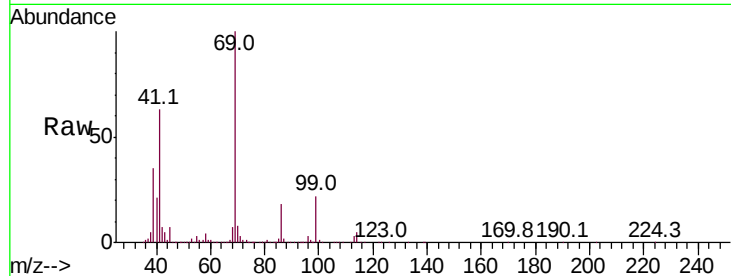
ClientSampleId :

VX0322WBS01

Tot Ion:	69	Resp:	59582
Ion Ratio	Lower	Upper	
69	100		
41	63.4	32.1	96.5
39	34.2	18.8	56.3

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#52

1,3-Dichloropropane

Concen: 20.212 ug/l

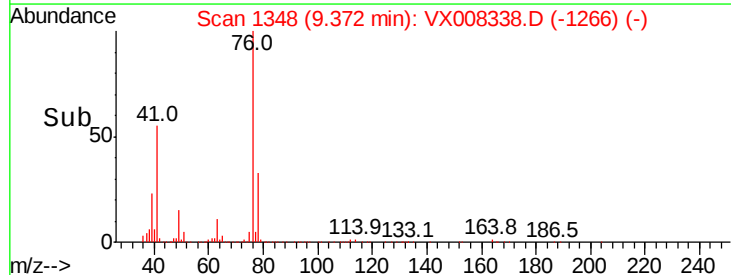
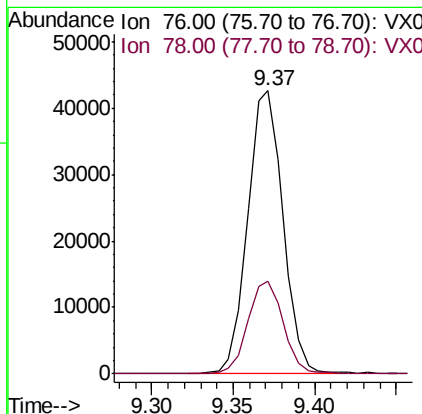
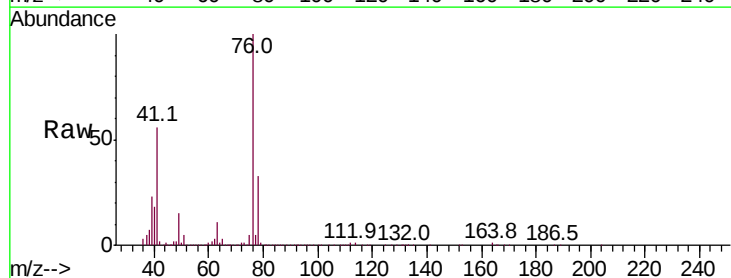
RT: 9.37 min Scan# 1348

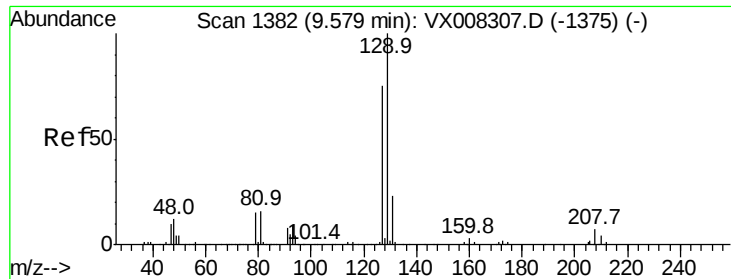
Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Tgt Ion:	76	Resp:	63890
Ion Ratio	Lower	Upper	
76	100		
78	32.6	0.0	65.2





#53

Dibromochloromethane

Concen: 19.662 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBS01

Tot Ion:129 Resp: 43687

Ion Ratio Lower Upper

129 100

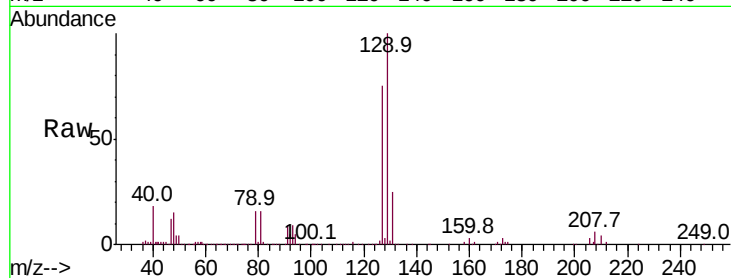
127 76.6 38.4 115.2

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

30000

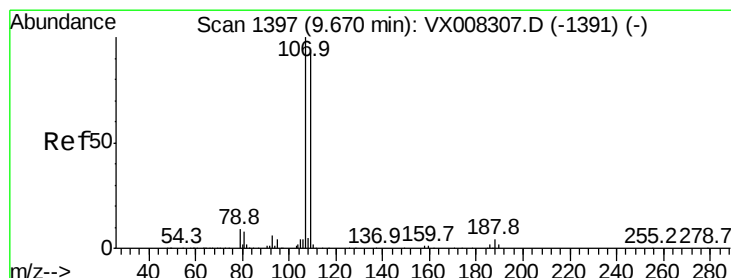
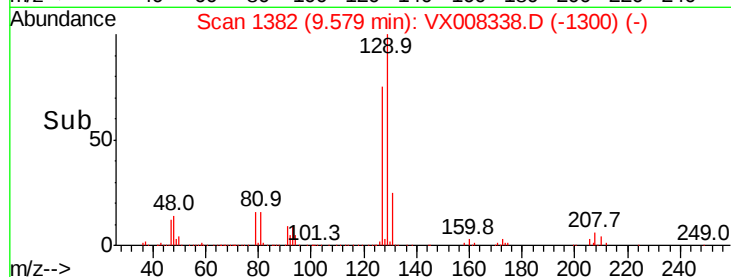
20000

10000

0

9.50 9.55 9.60 9.65

Time-->



#54

1,2-Dibromoethane

Concen: 20.058 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008338.D

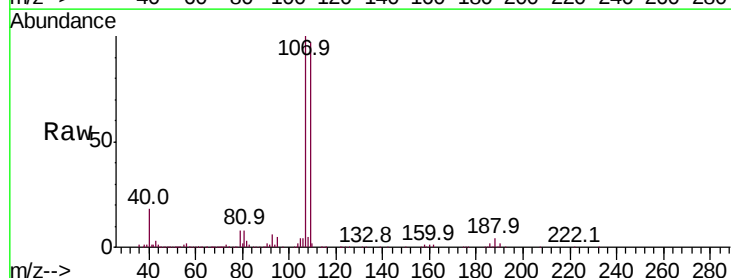
Acq: 22 Mar 2019 14:59

Tgt Ion:107 Resp: 43377

Ion Ratio Lower Upper

107 100

109 94.9 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

30000

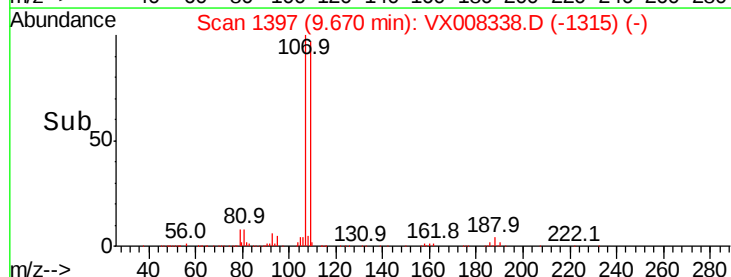
20000

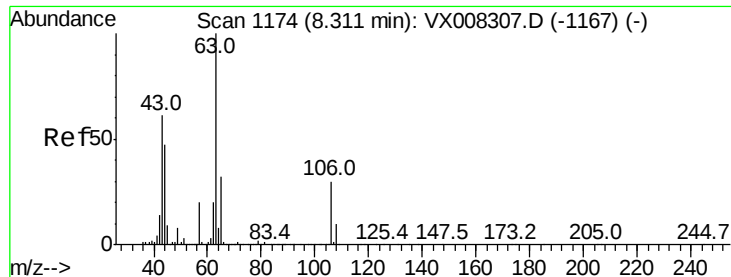
10000

0

9.60 9.65 9.70 9.75

Time-->





#55

2-Chloroethyl vinyl ether

Concen: 98.097 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBS01

Tot Ion: 63 Resp: 142019

Ion Ratio Lower Upper

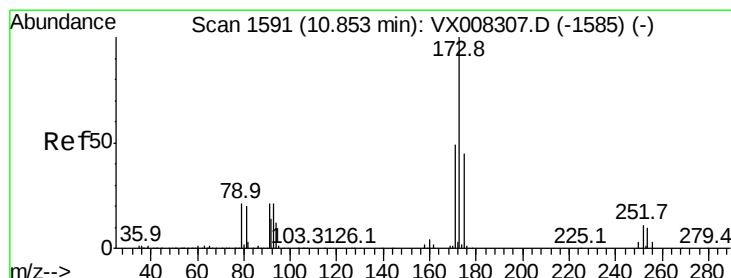
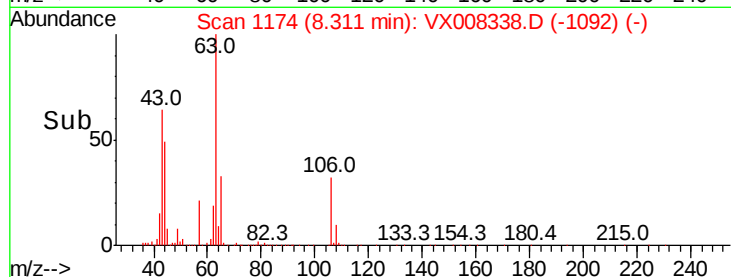
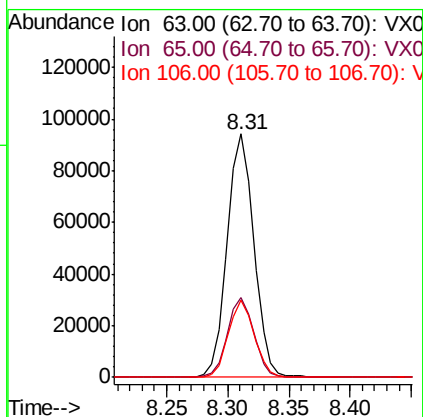
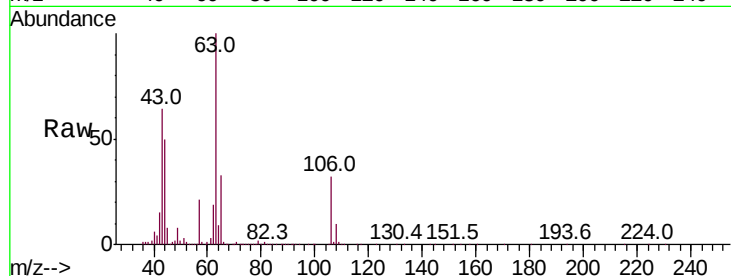
63 100

65 32.2 25.7 38.5

106 30.9 23.7 35.5

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#56

Bromoform

Concen: 18.586 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

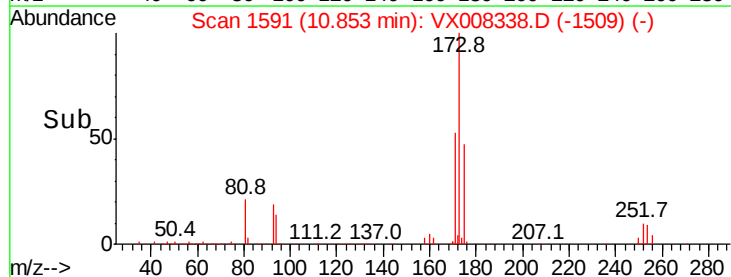
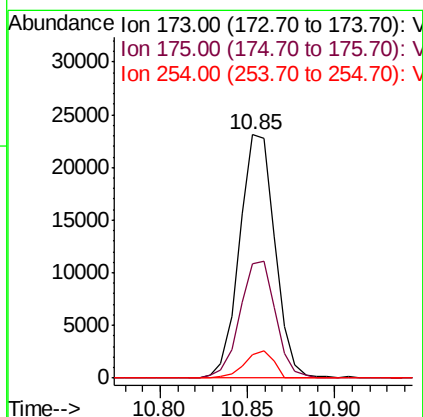
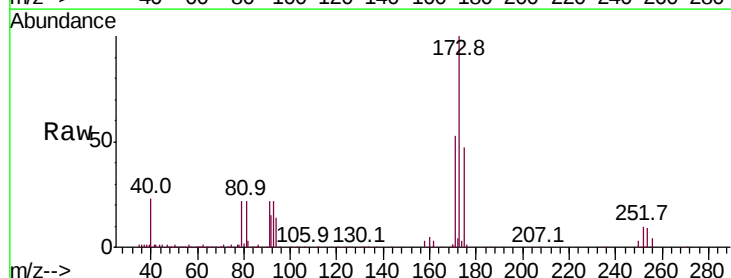
Tgt Ion: 173 Resp: 32602

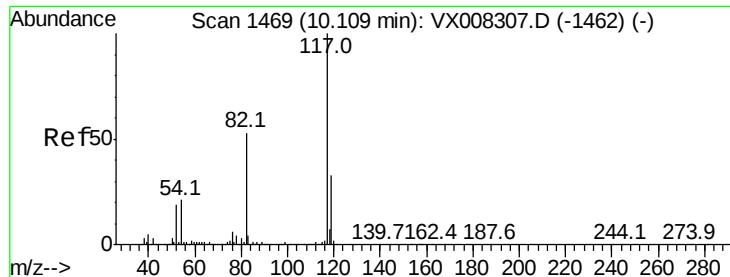
Ion Ratio Lower Upper

173 100

175 48.4 38.5 57.7

254 8.9 7.4 11.2





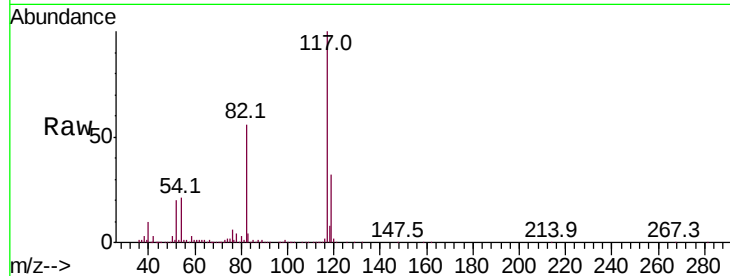
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008338.D
Acq: 22 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

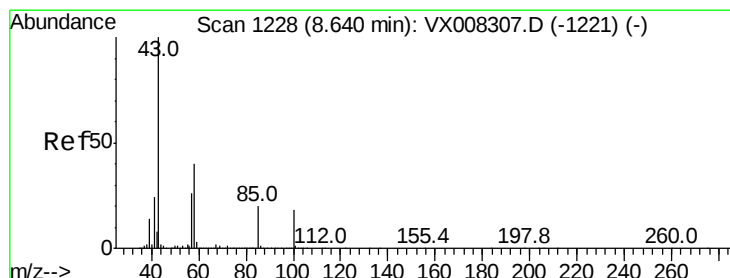
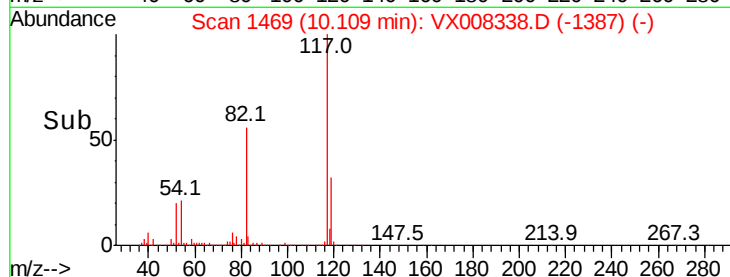
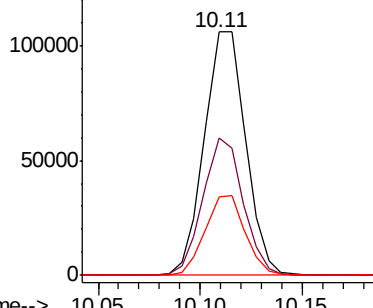
Tot Ion	Ratio	Resp	Lower	Upper
117	100	149827		
82	54.8	40.4	60.6	
119	32.0	25.8	38.6	

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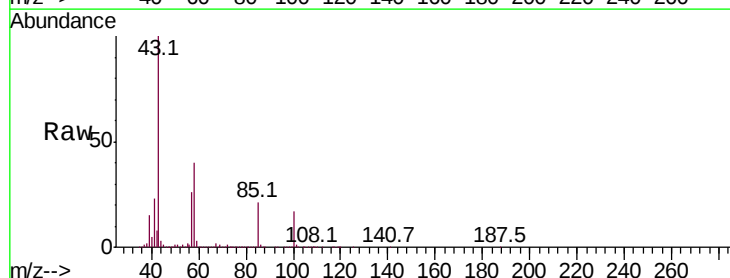


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

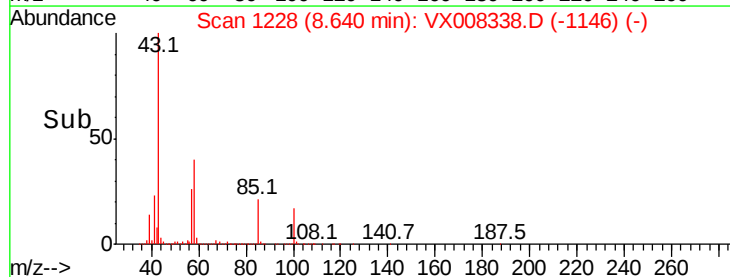
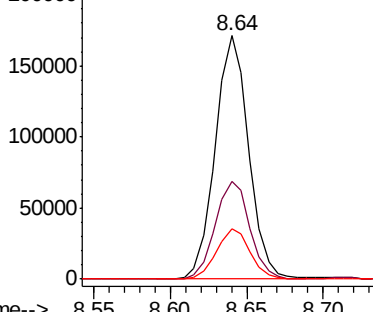


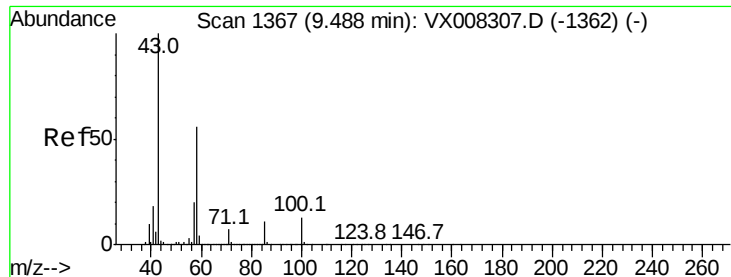
#58
4-Methyl-2-Pentanone
Concen: 103.127 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008338.D
Acq: 22 Mar 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	260152		
58	41.3	31.4	47.0	
85	20.8	15.0	22.6	



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0





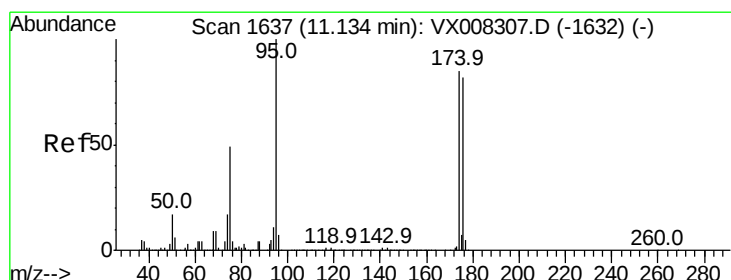
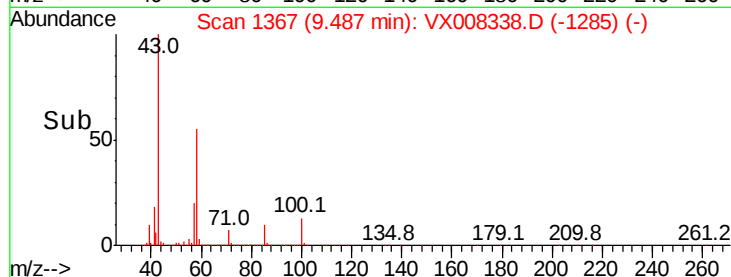
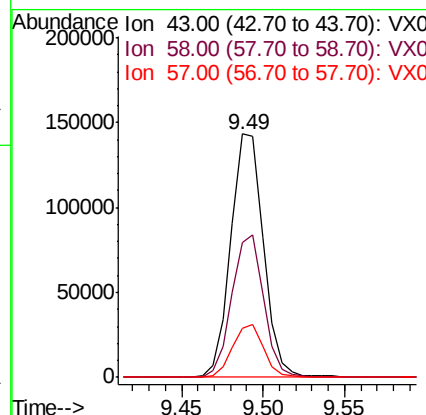
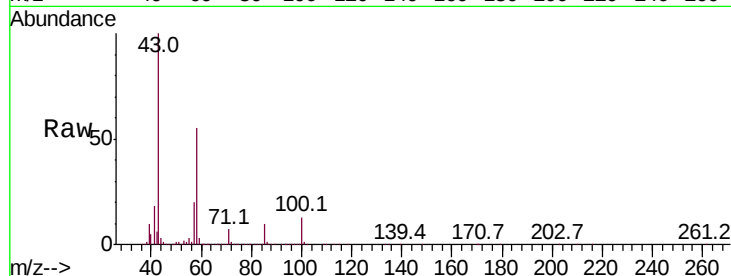
#59
2-Hexanone
Concen: 99.843 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX008338.D
Acq: 22 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion	43	Resp	199238
Ion Ratio	100	Lower	Upper
58	57.1	43.9	65.9
57	20.7	14.9	22.3

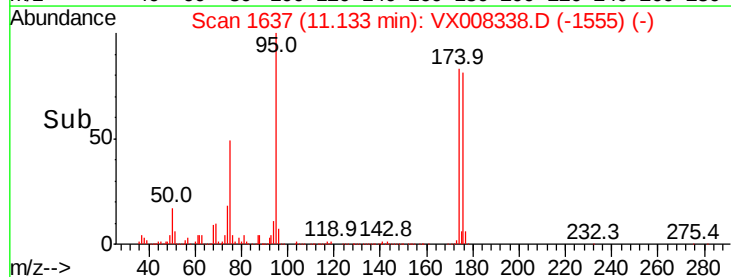
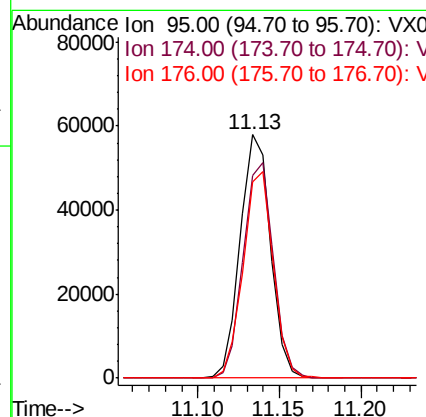
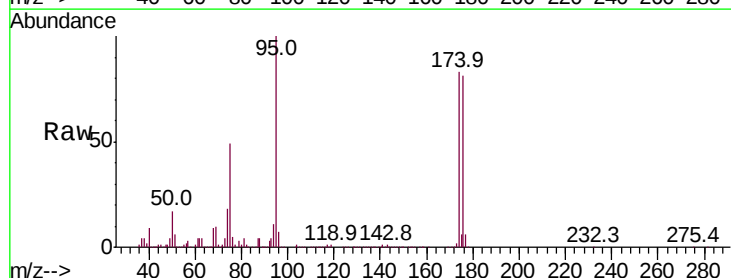
Manual Integrations
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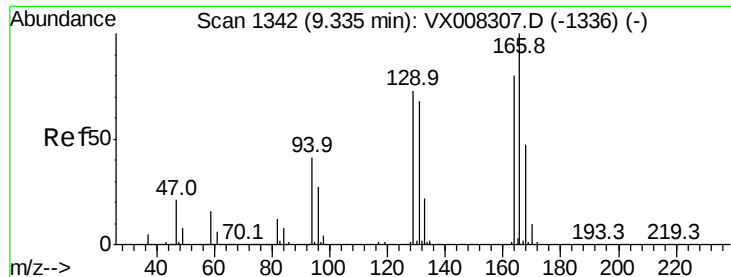
MMDadoda
3/23/2019 9:33:28 AM



#60
4-Bromofluorobenzene
Concen: 30.885 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008338.D
Acq: 22 Mar 2019 14:59

Tgt Ion	95	Resp	75324
Ion Ratio	100	Lower	Upper
174	88.4	74.9	112.3
176	84.4	70.7	106.1





#61

Tetrachloroethene

Concen: 20.875 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBS01

Tot Ion:164 Resp: 42101

Ion Ratio Lower Upper

164 100

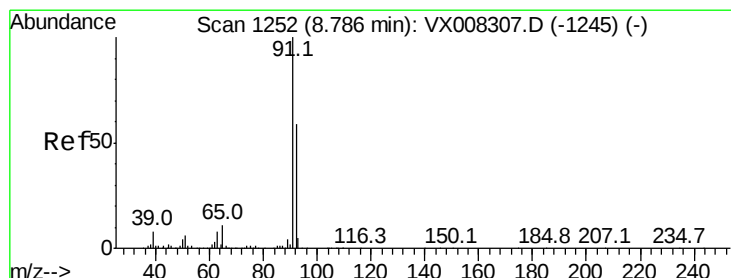
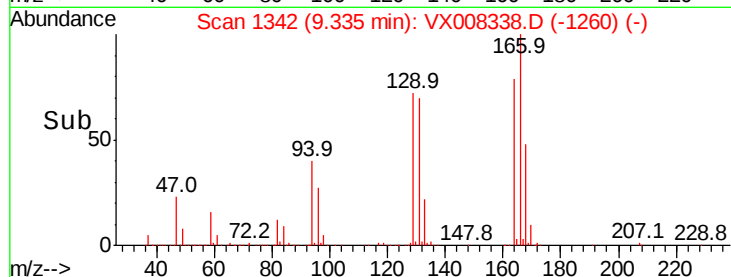
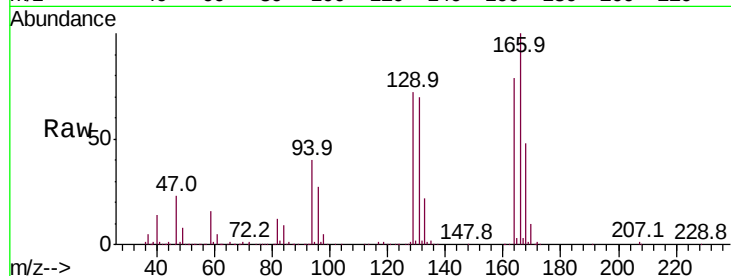
166 126.4 103.9 155.9

129 90.8 74.7 112.1

131 88.6 71.7 107.5

Manual Integrations
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#62

Toluene

Concen: 20.661 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008338.D

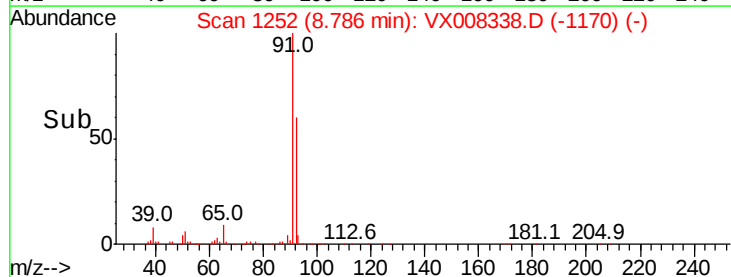
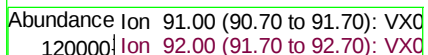
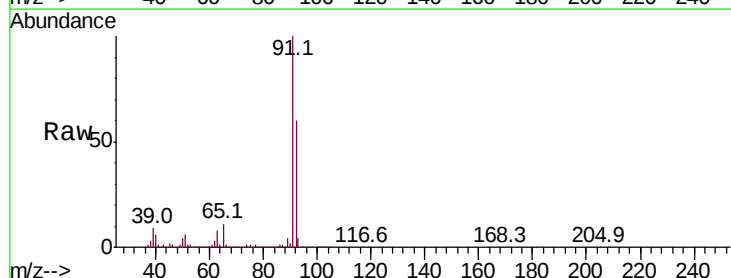
Acq: 22 Mar 2019 14:59

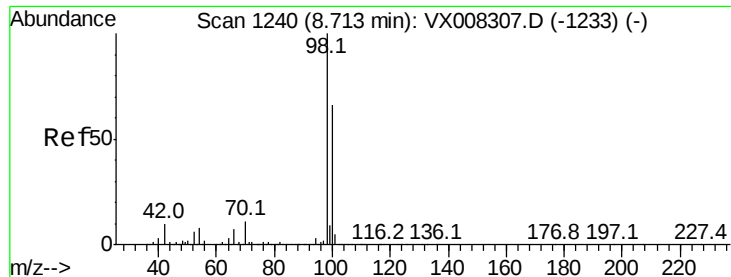
Tgt Ion: 91 Resp: 164315

Ion Ratio Lower Upper

91 100

92 58.6 46.4 69.6





#63

Toluene-d8

Concen: 31.168 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBS01

Tot Ion: 98 Resp: 210399

Ion Ratio Lower Upper

98 100

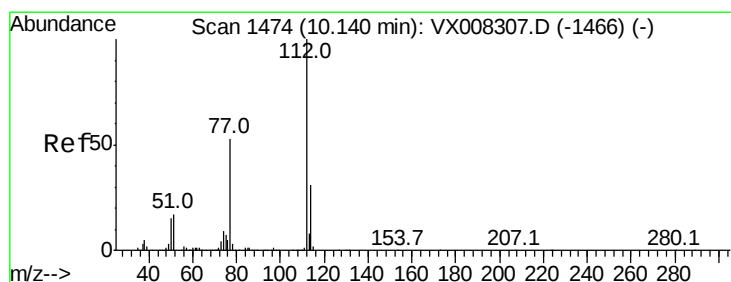
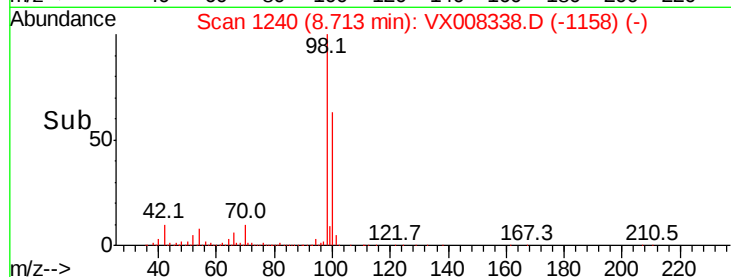
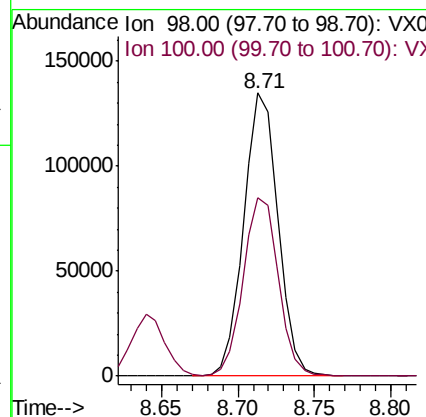
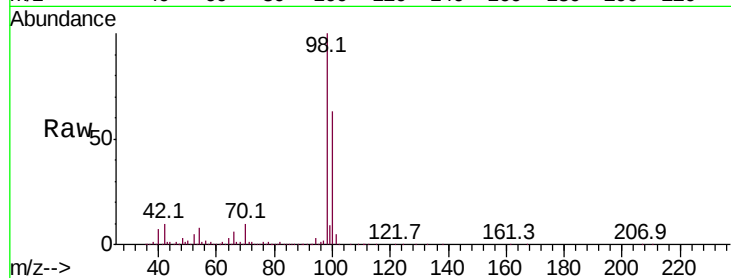
100 64.2 50.9 76.3

Manual Integrations

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#64

Chlorobenzene

Concen: 20.668 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX008338.D

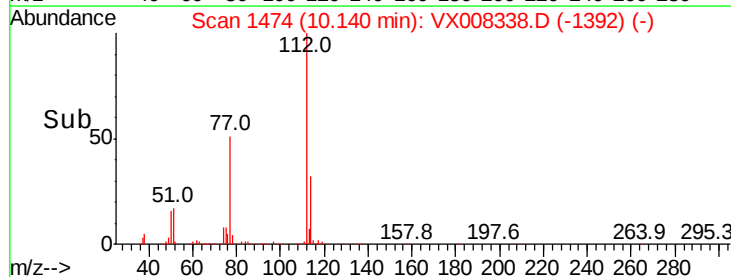
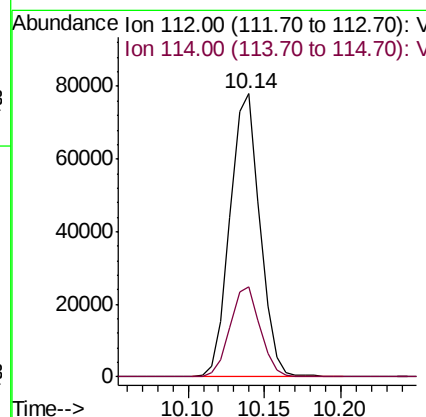
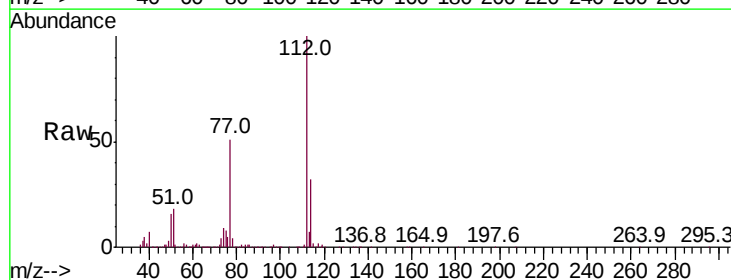
Acq: 22 Mar 2019 14:59

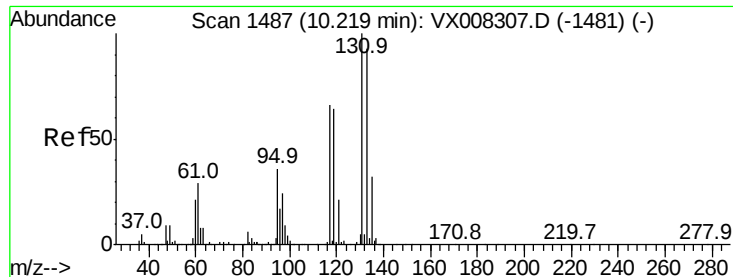
Tgt Ion: 112 Resp: 105965

Ion Ratio Lower Upper

112 100

114 31.7 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 20.470 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

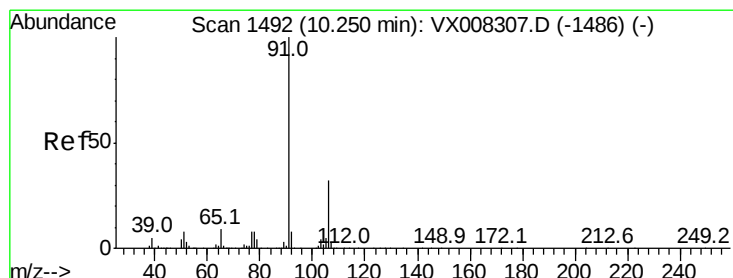
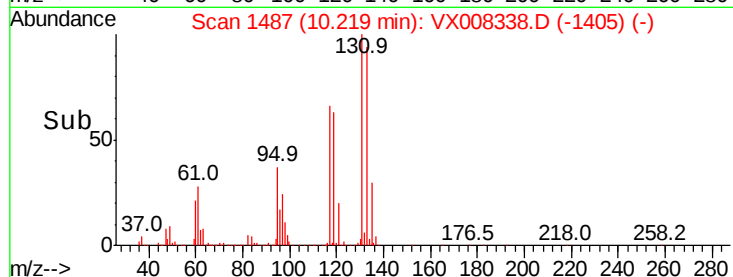
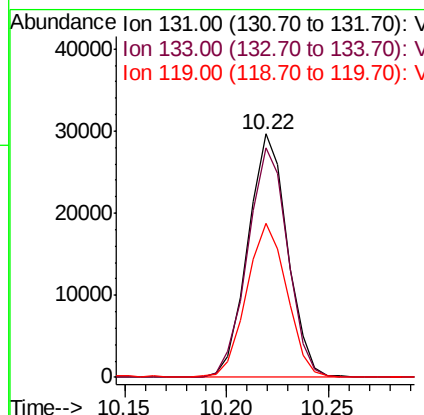
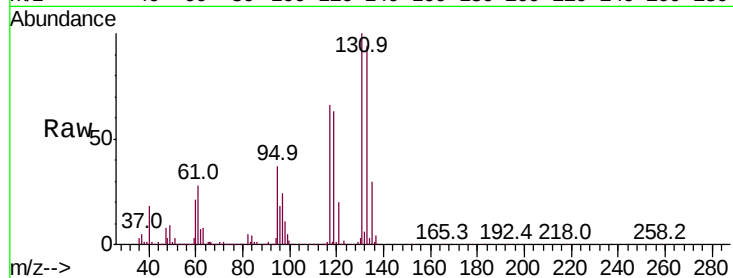
ClientSampleId :

VX0322WBS01

Tot Ion:	131	Resp:	40084
Ion Ratio	Lower	Upper	
131	100		
133	95.5	0.0	191.6
119	64.4	0.0	127.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.289 ug/l

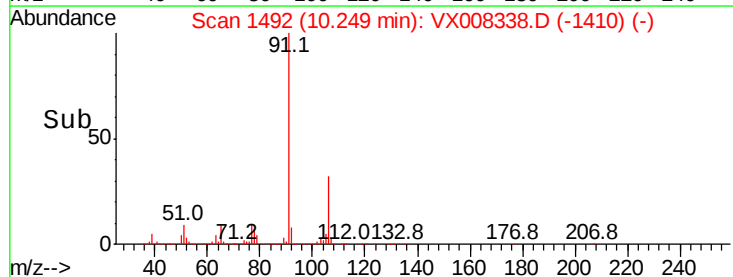
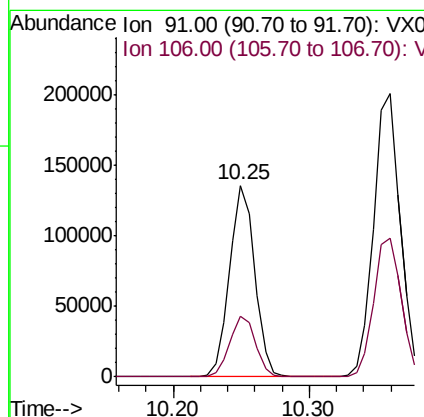
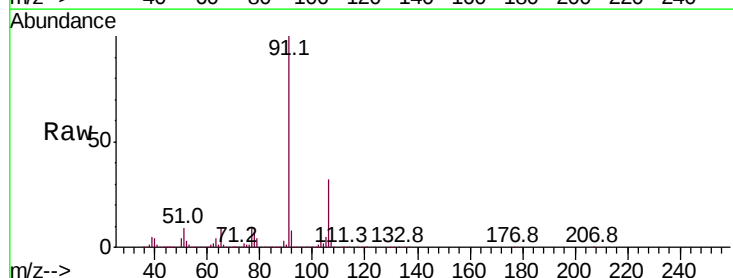
RT: 10.25 min Scan# 1492

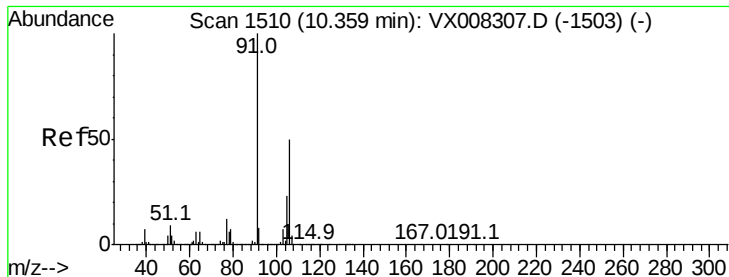
Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Tgt Ion:	91	Resp:	174499
Ion Ratio	Lower	Upper	
91	100		
106	31.8	26.0	39.0





#67

m/p-Xylenes

Concen: 40.640 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBS01

Tot Ion:106 Resp: 138923

Ion Ratio Lower Upper

106 100

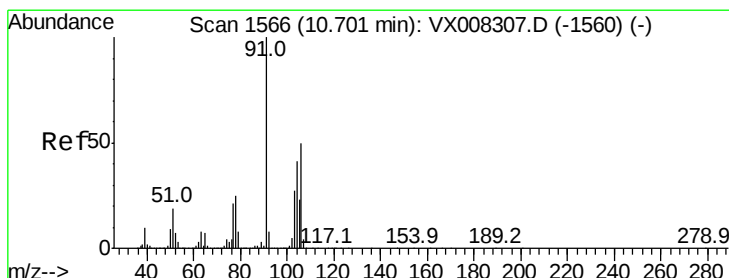
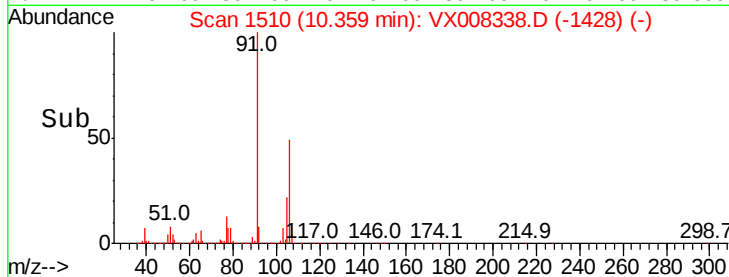
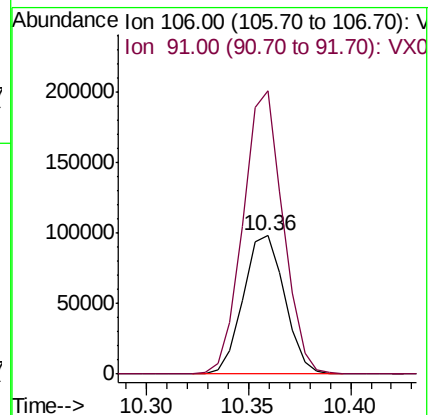
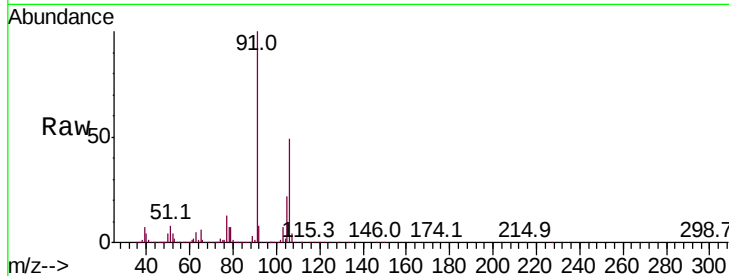
91 196.6 157.0 235.4

Manual Integrations

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#68

o-Xylene

Concen: 20.009 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VX008338.D

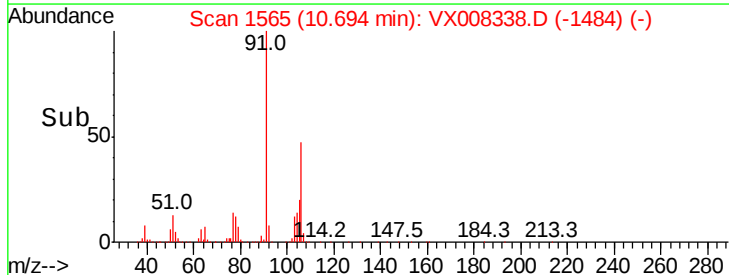
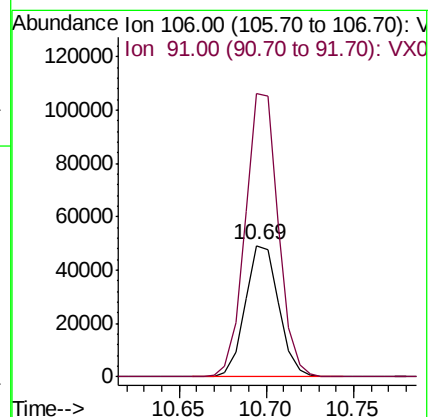
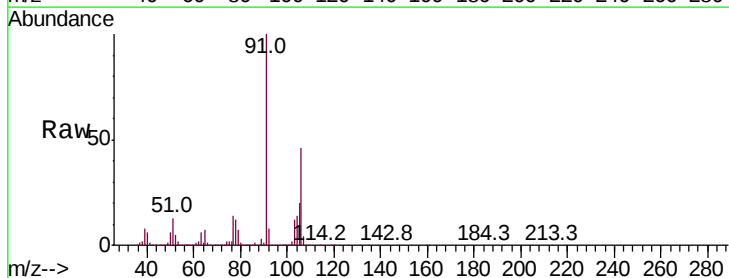
Acq: 22 Mar 2019 14:59

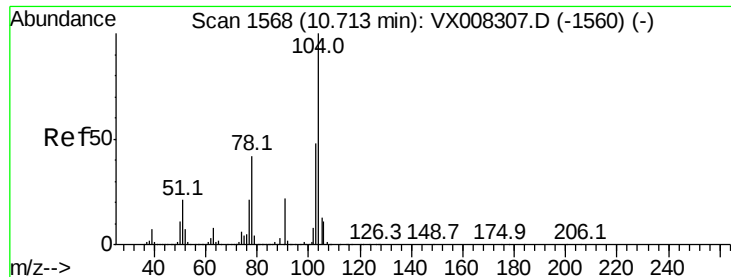
Tgt Ion:106 Resp: 65706

Ion Ratio Lower Upper

106 100

91 212.0 104.4 313.2





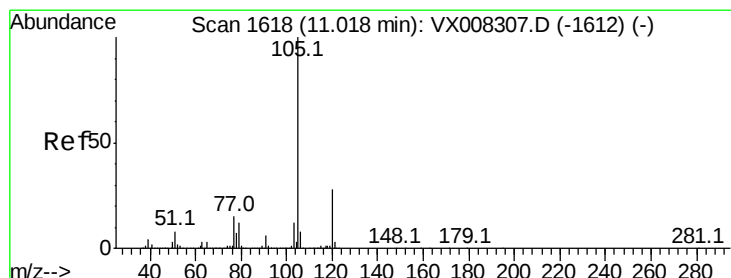
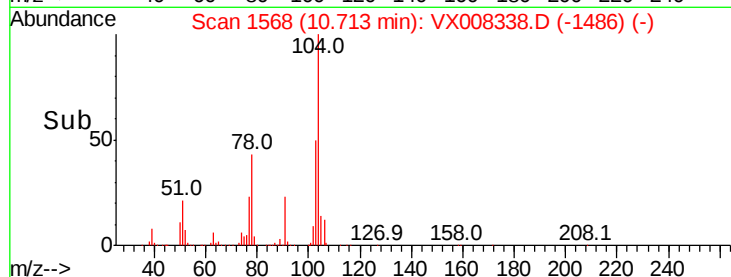
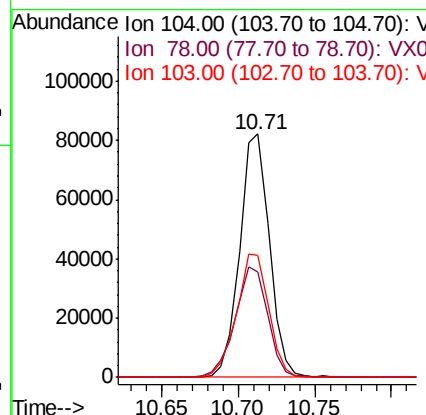
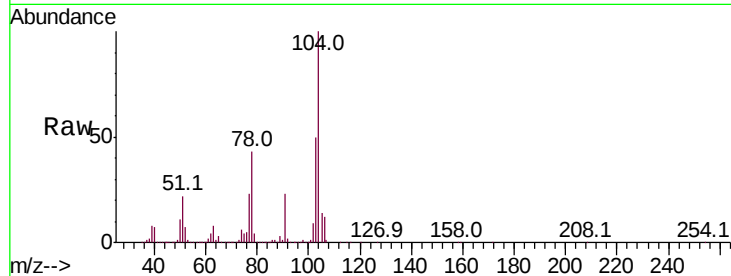
#69
Stvrene
Concen: 19.999 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008338.D
Acq: 22 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.0	38.2	57.2
103	54.5	45.0	67.4

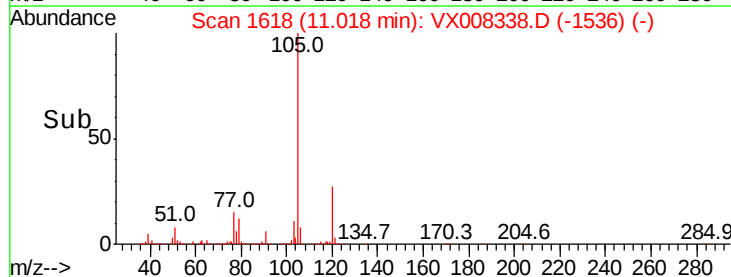
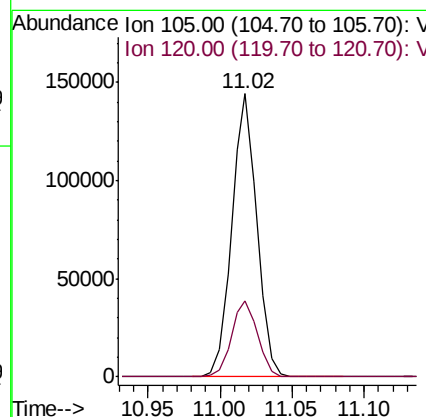
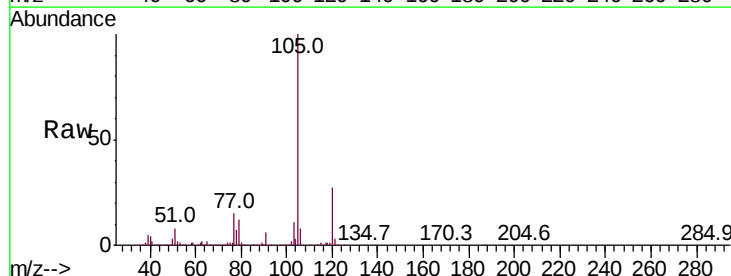
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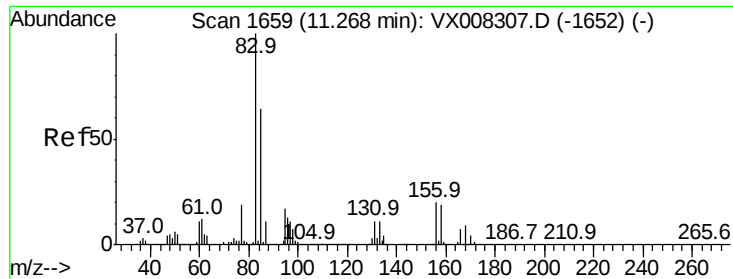
MMDadoda
3/23/2019 9:33:28 AM



#70
Isopropylbenzene
Concen: 20.350 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008338.D
Acq: 22 Mar 2019 14:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.0	19.8	36.8





#71

1,1,2,2-Tetrachloroethane

Concen: 20.880 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

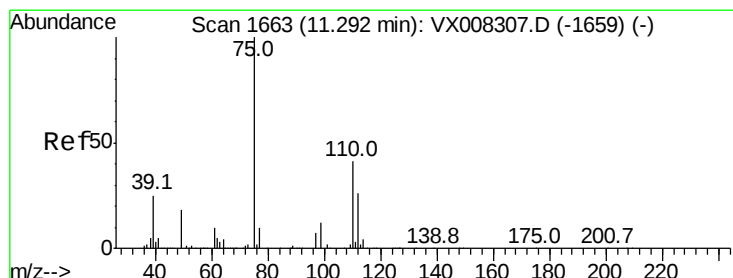
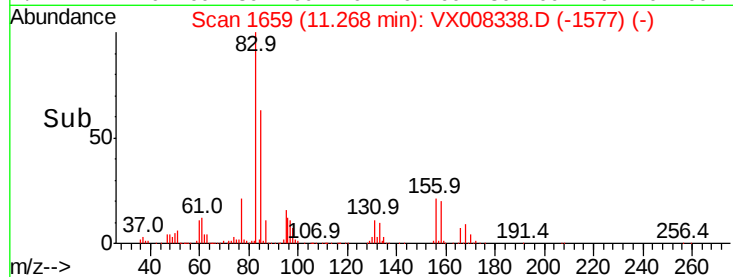
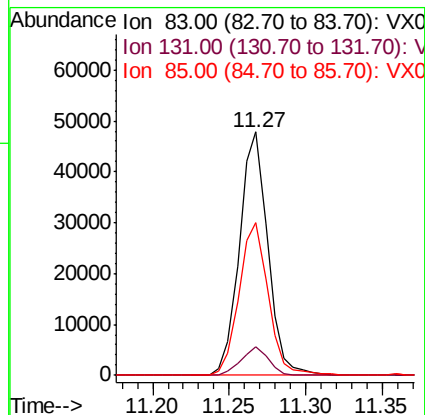
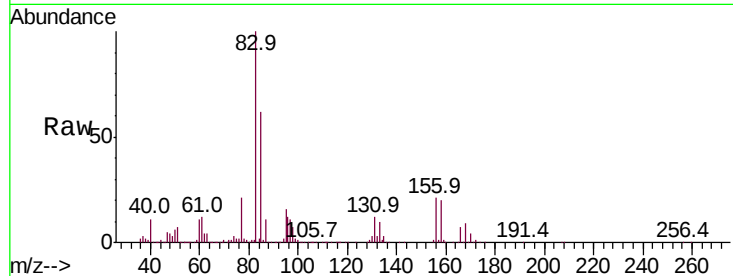
ClientSampleId :

VX0322WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.4	16.2
85	64.5	32.8	98.4

Manual Integrations
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#72

1,2,3-Trichloropropane

Concen: 21.600 ug/l m

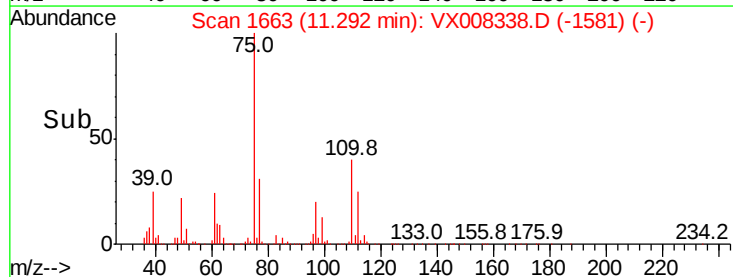
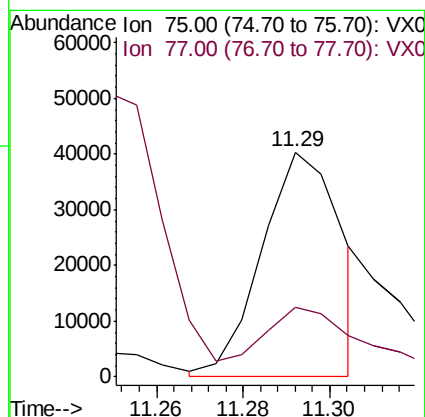
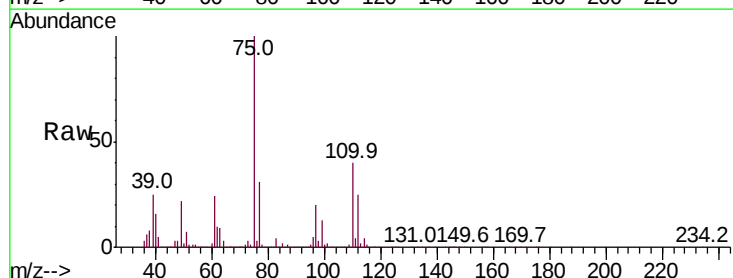
RT: 11.29 min Scan# 1663

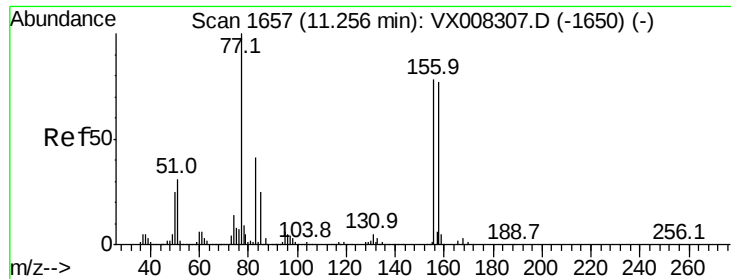
Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	40.5	0.0	76.4





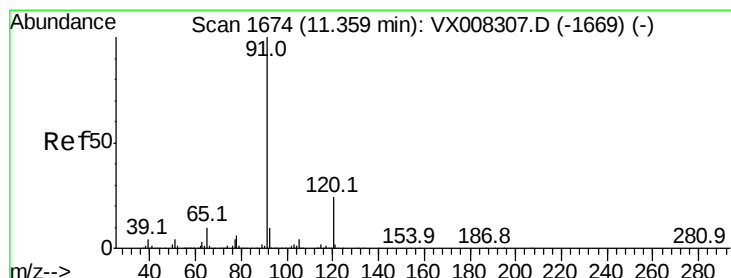
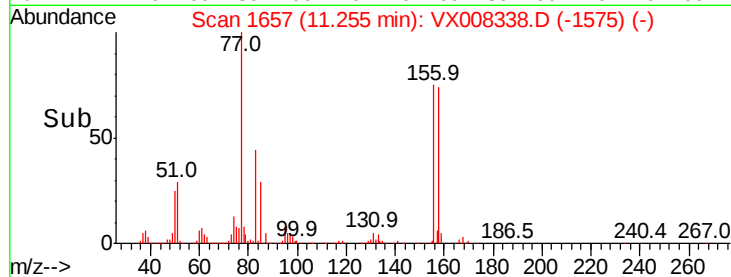
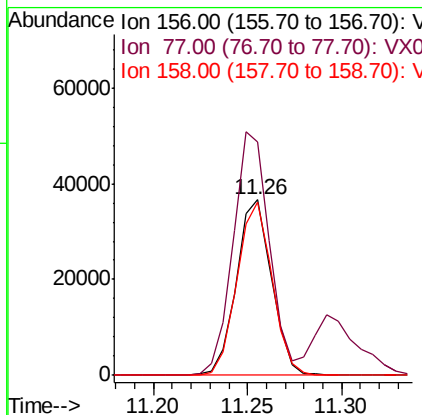
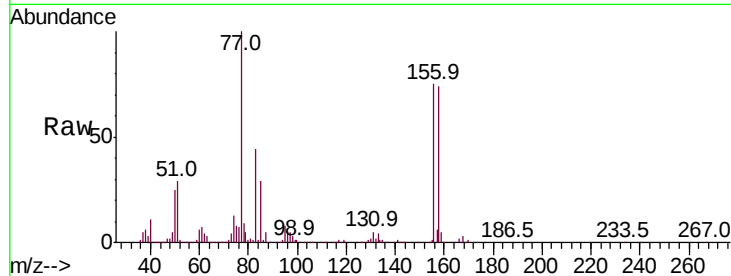
#73
Bromobenzene
Concen: 19.895 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX008338.D
Acq: 22 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	142.0	0.0	271.4
158	97.3	0.0	194.0

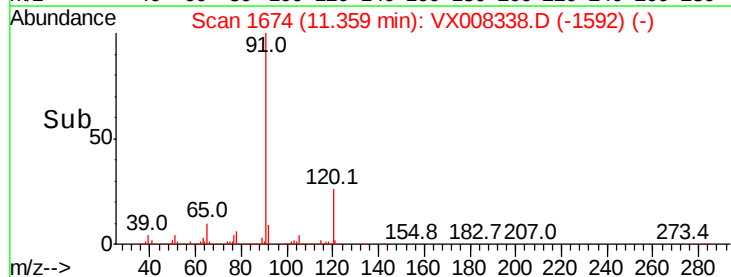
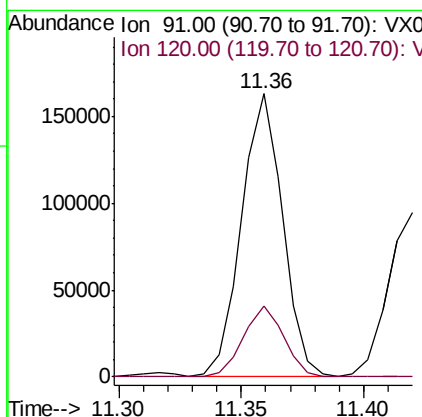
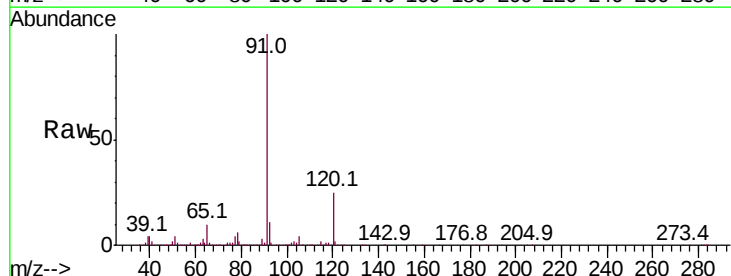
Manual Integrations
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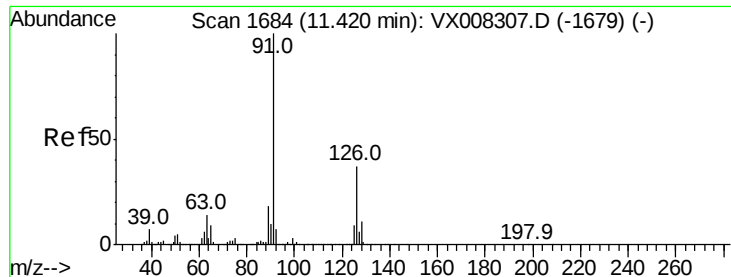
MMDadoda
3/23/2019 9:33:28 AM



#74
n-propylbenzene
Concen: 19.810 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX008338.D
Acq: 22 Mar 2019 14:59

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.0	0.0	48.6





#75

2-Chlorotoluene

Concen: 20.513 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBS01

Tot Ion: 91 Resp: 117972

Ion Ratio Lower Upper

91 100

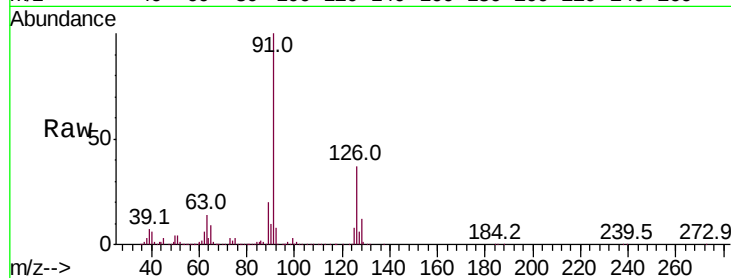
126 36.6 0.0 75.2

Manual Integrations

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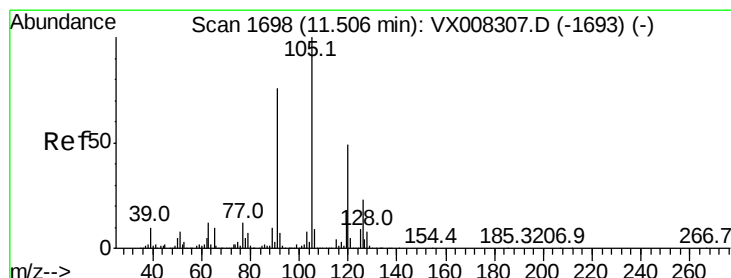
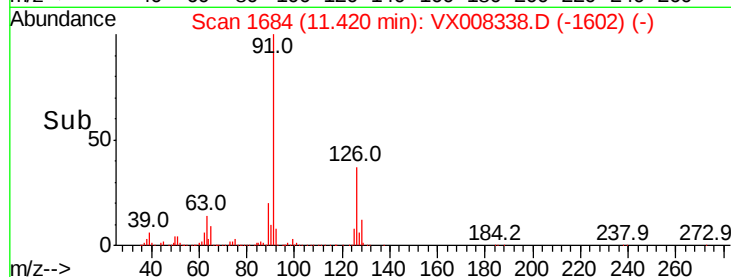
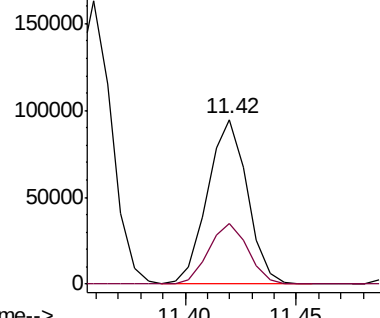
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 20.385 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008338.D

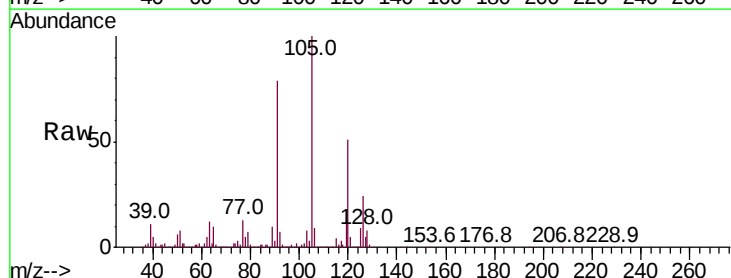
Acq: 22 Mar 2019 14:59

Tgt Ion:105 Resp: 150460

Ion Ratio Lower Upper

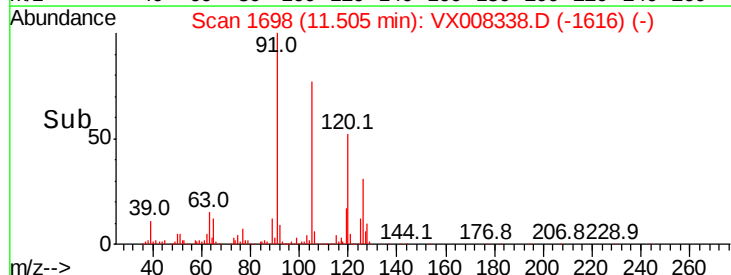
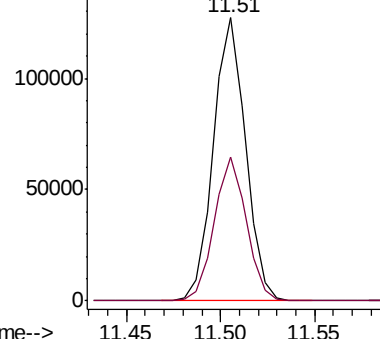
105 100

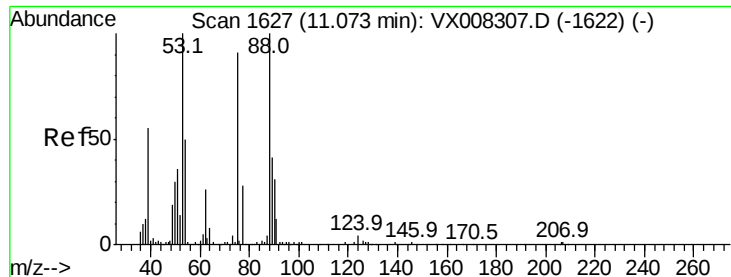
120 50.4 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 18.838 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBS01

Tot Ion: 75 Resp: 15838

Ion Ratio Lower Upper

75 100

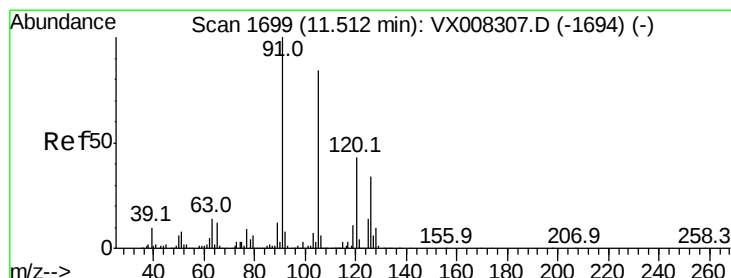
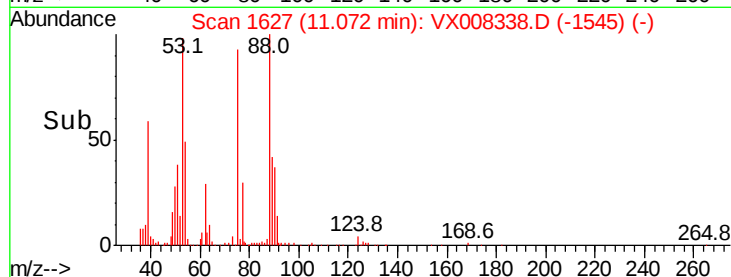
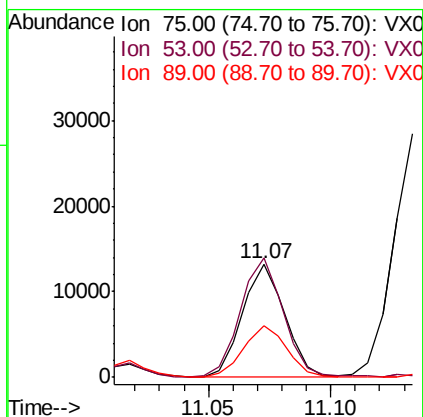
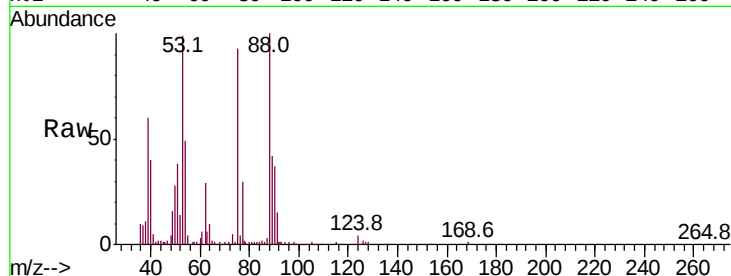
53 105.2 55.5 166.7

89 44.7 24.4 73.2

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#78

4-Chlorotoluene

Concen: 19.764 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008338.D

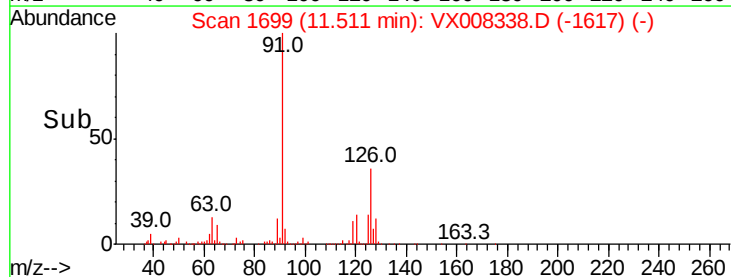
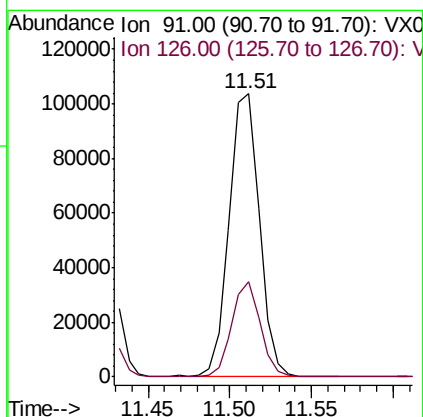
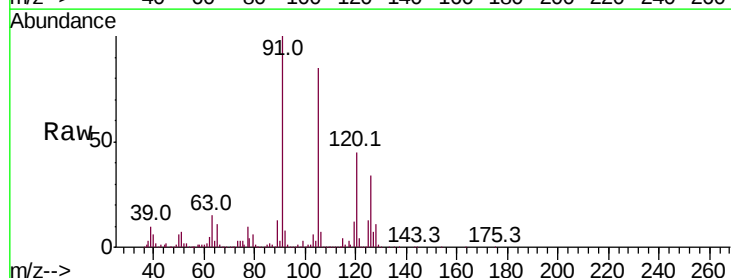
Acq: 22 Mar 2019 14:59

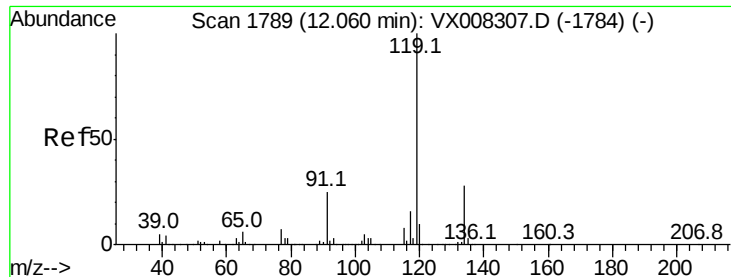
Tgt Ion: 91 Resp: 133778

Ion Ratio Lower Upper

91 100

126 31.5 0.0 66.2





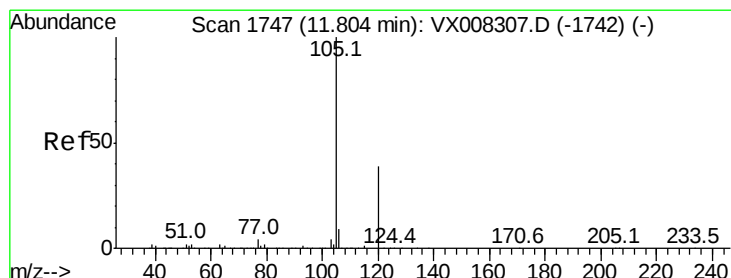
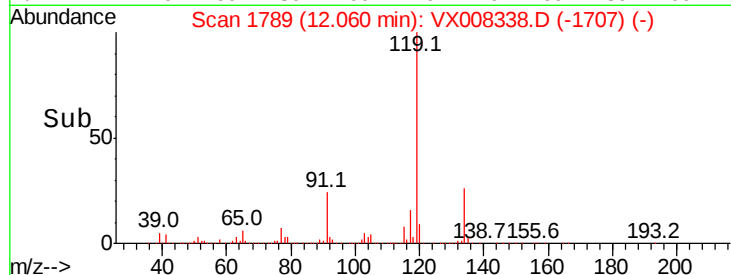
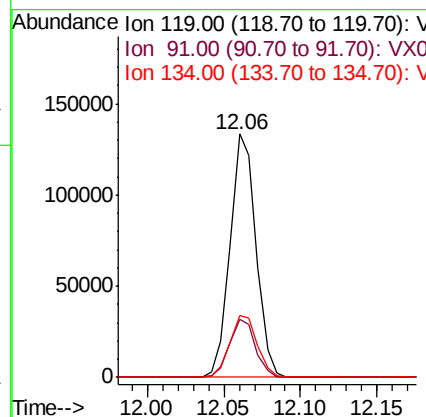
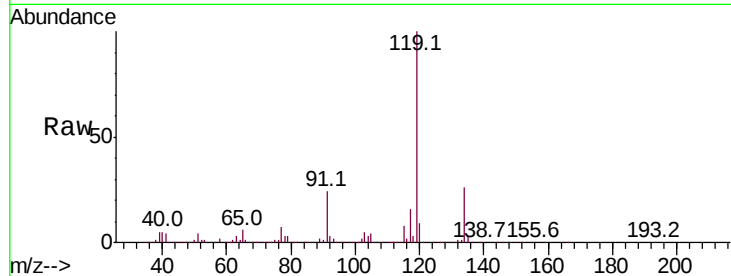
#79
tert-butylbenzene
Concen: 20.108 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX008338.D
Acq: 22 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
119	100		
91	23.9	0.0	45.0
134	26.9	0.0	55.4

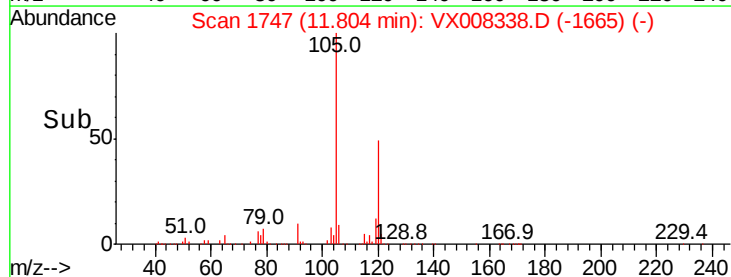
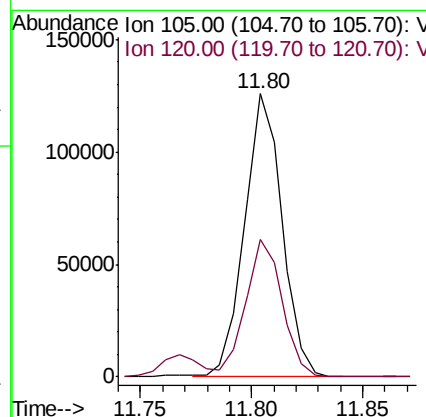
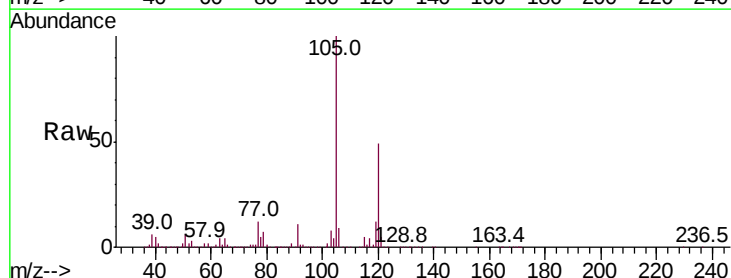
Manual Integrations
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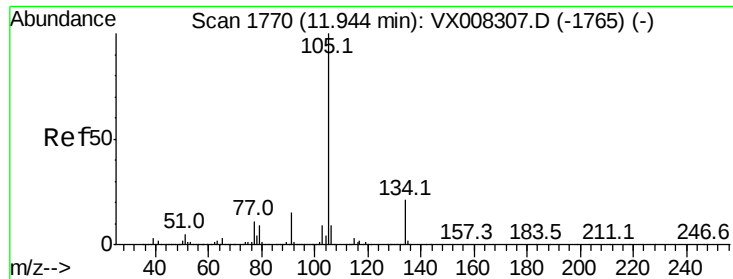
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#80
1,2,4-Trimethylbenzene
Concen: 20.253 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008338.D
Acq: 22 Mar 2019 14:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
120	46.9	0.0	94.0





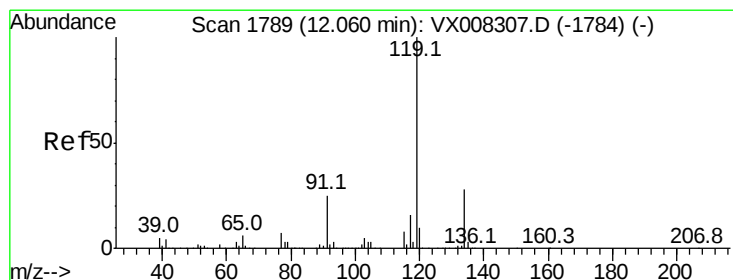
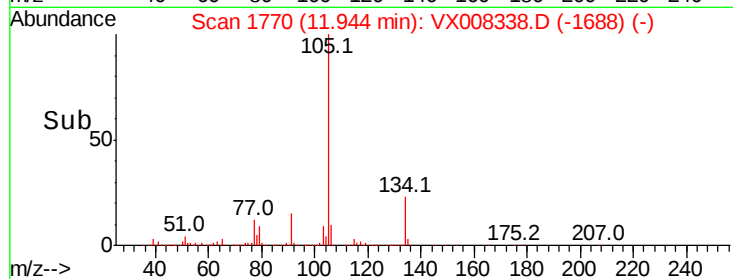
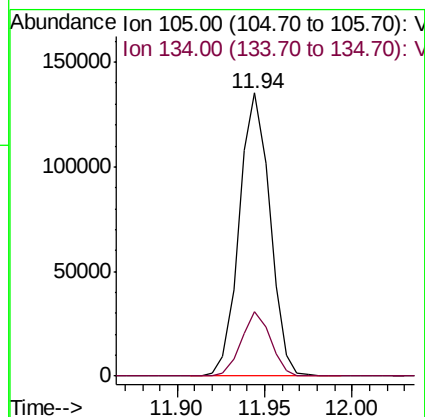
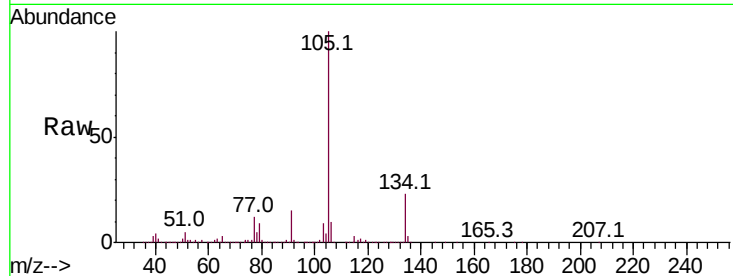
#81
 sec-Butylbenzene
 Concen: 19.661 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008338.D
 Acq: 22 Mar 2019 14:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	165518		
134	21.8	0.0	41.8	

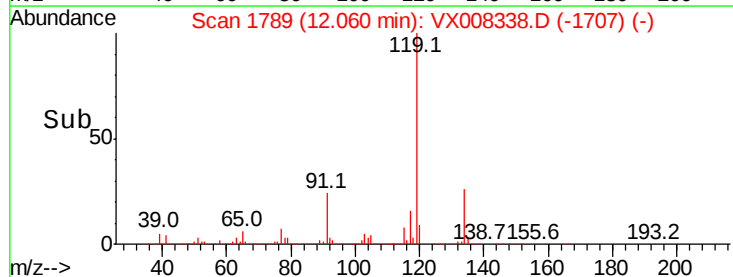
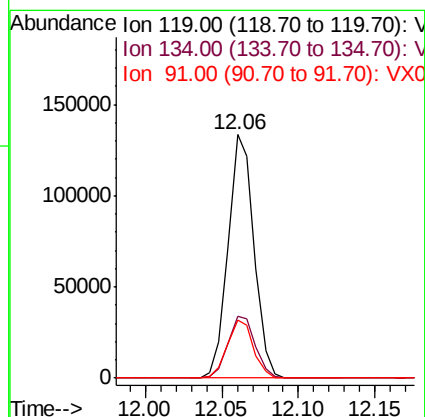
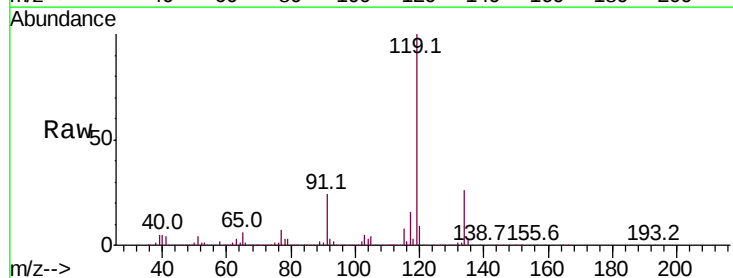
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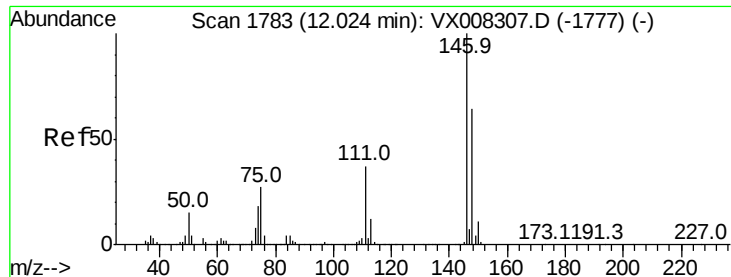
MMDadoda
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#82
 p-Isopropyltoluene
 Concen: 20.108 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX008338.D
 Acq: 22 Mar 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	156115		
134	26.9	0.0	55.4	
91	23.9	0.0	45.0	





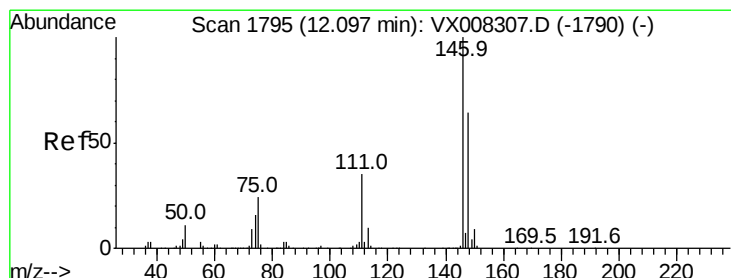
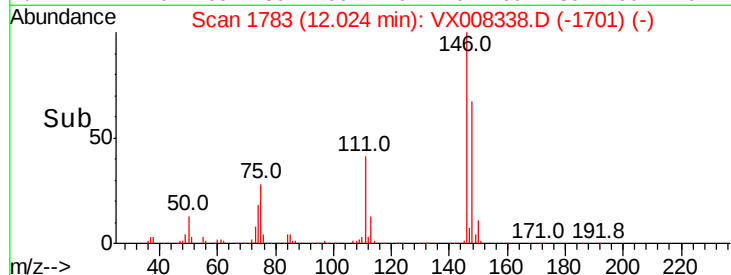
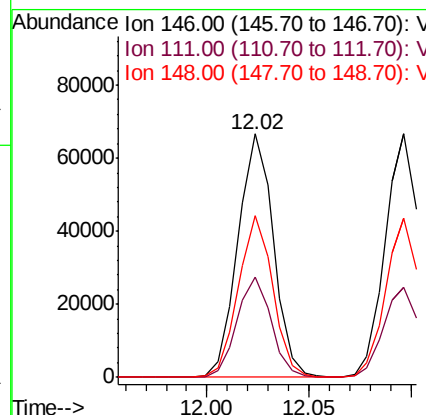
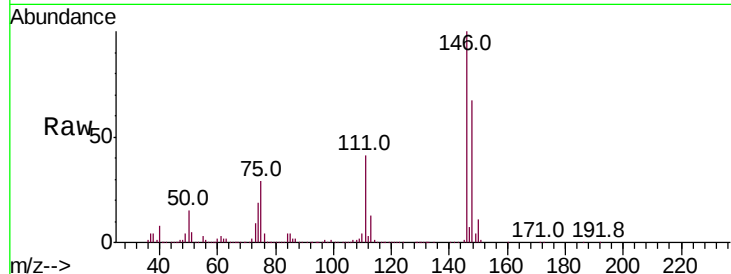
#83
 1,3-Dichlorobenzene
 Concen: 19.378 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008338.D
 Acq: 22 Mar 2019 14:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.8	56.3
148	64.5	30.6	91.8

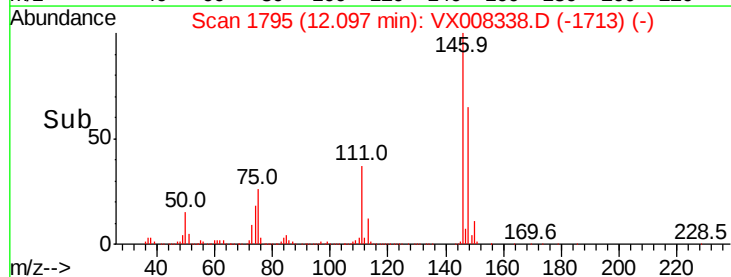
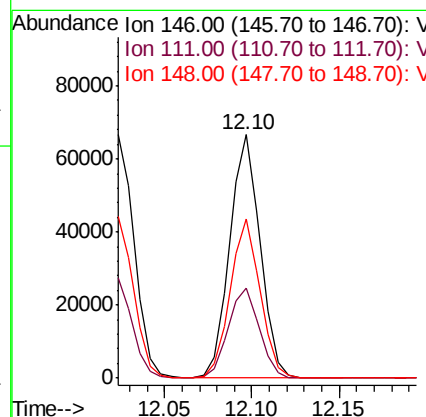
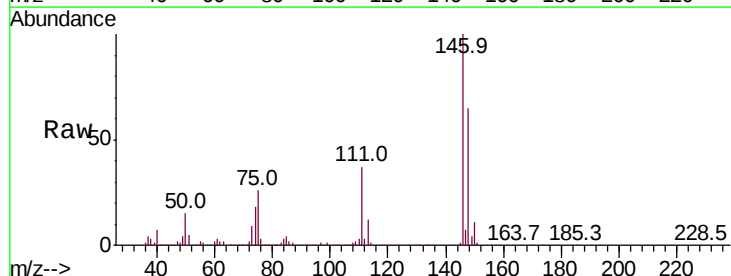
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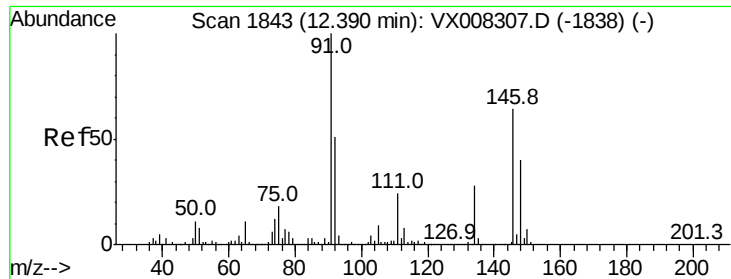
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#84
 1,4-Dichlorobenzene
 Concen: 19.476 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008338.D
 Acq: 22 Mar 2019 14:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	17.6	52.8
148	64.5	31.4	94.2





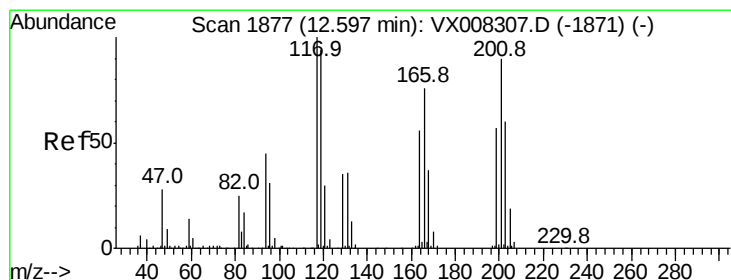
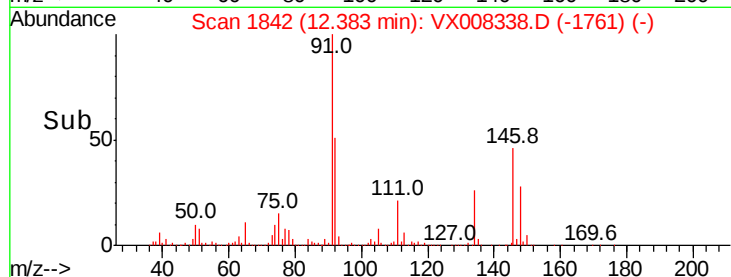
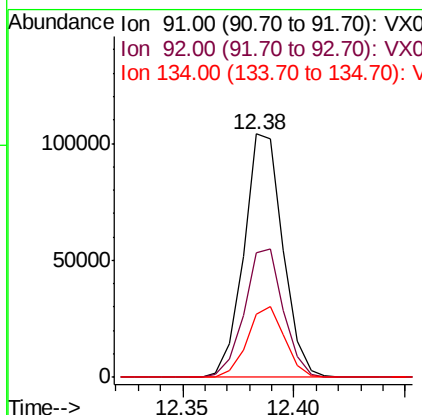
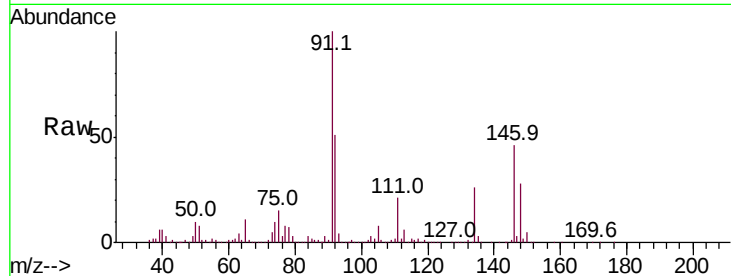
#85
n-Butylbenzene
Concen: 19.004 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX008338.D
Acq: 22 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	126917		
92	52.7	0.0	105.2	
134	28.1	0.0	56.4	

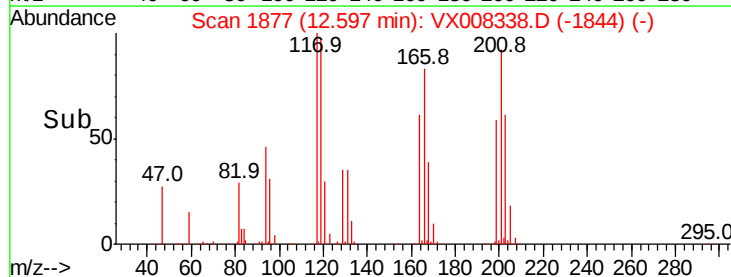
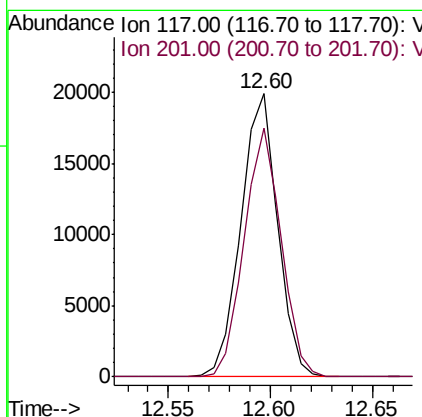
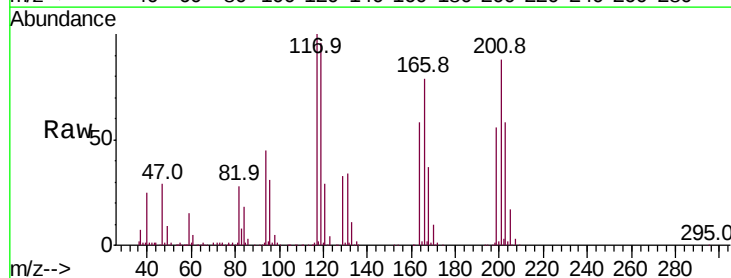
Manual Integrations
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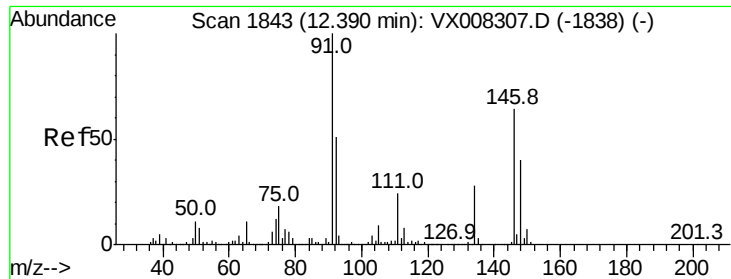
MMDadoda
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#86
Hexachloroethane
Concen: 18.595 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008338.D
Acq: 22 Mar 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	24881		
201	88.5	41.1	123.3	





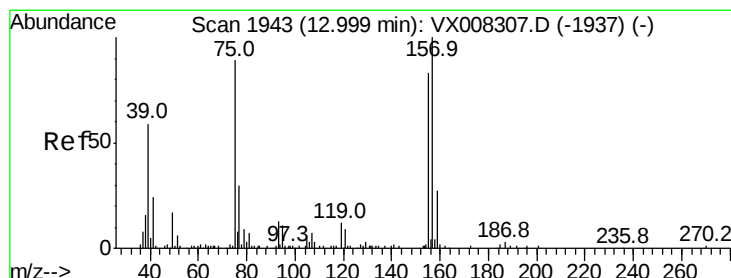
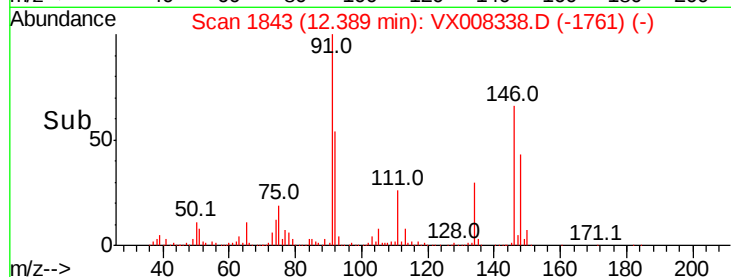
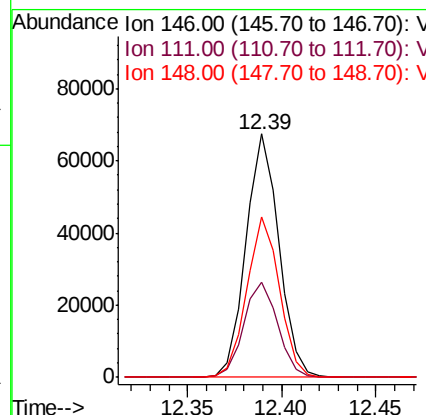
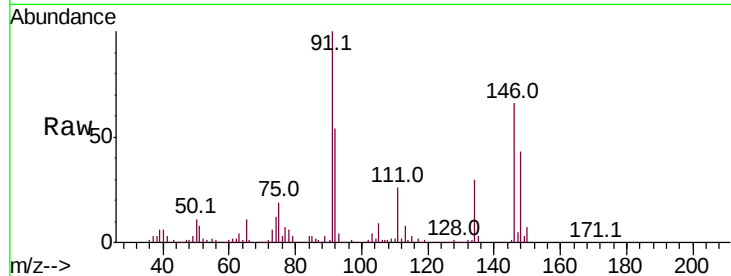
#87
 1,2-Dichlorobenzene
 Concen: 20.012 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008338.D
 Acq: 22 Mar 2019 14:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.3	57.8
148	65.2	32.1	96.3

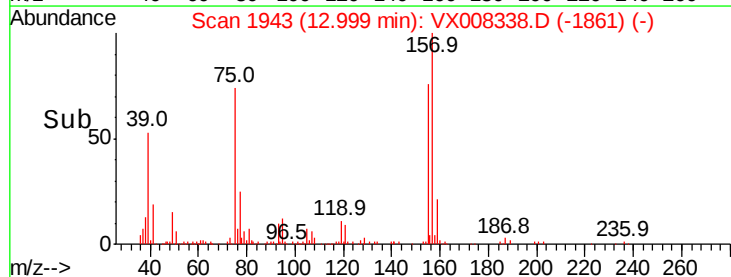
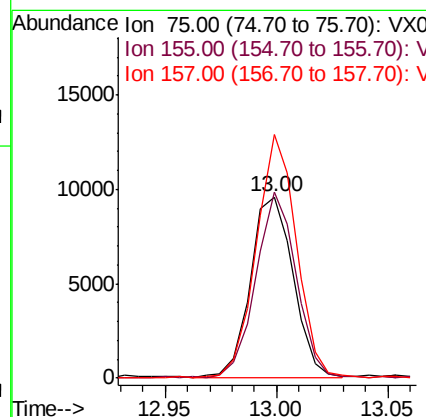
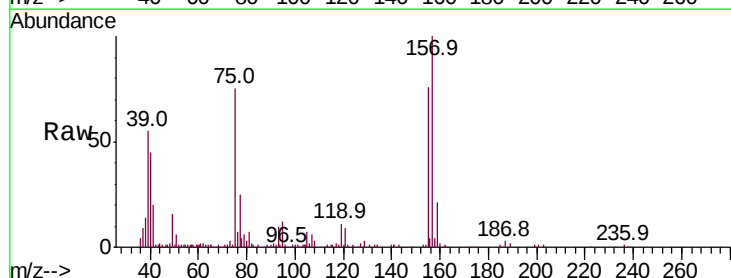
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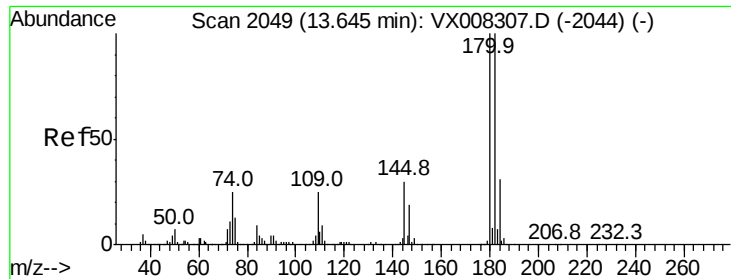
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 3/23/2019 9:33:28 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.264 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008338.D
 Acq: 22 Mar 2019 14:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.8	81.0	121.6
157	124.8	103.2	154.8





#89

1,2,4-Trichlorobenzene

Concen: 18.953 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

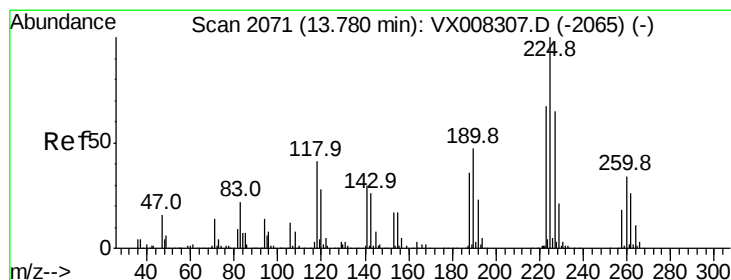
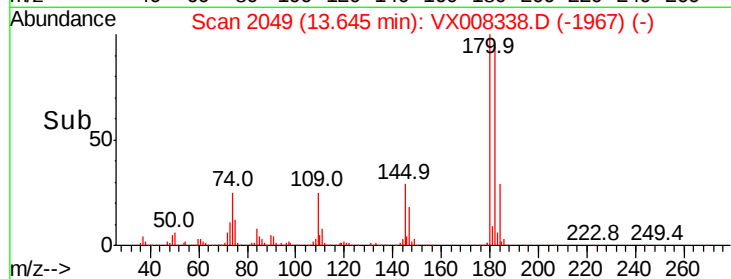
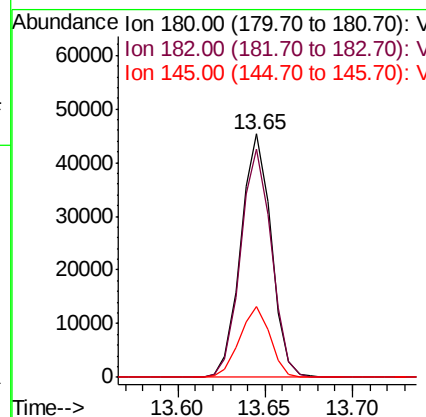
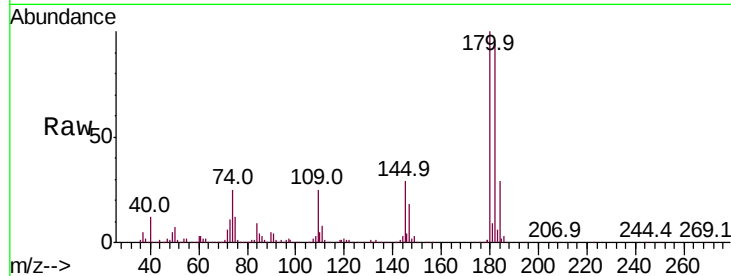
ClientSampleId :

VX0322WBS01

Tot Ion:	180	Resp:	54887
Ion Ratio	Lower	Upper	
180	100		
182	94.9	75.6	113.4
145	29.4	23.0	34.6

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#90

Hexachlorobutadiene

Concen: 19.039 ug/l

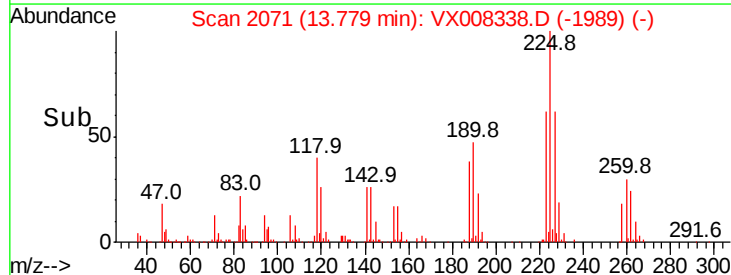
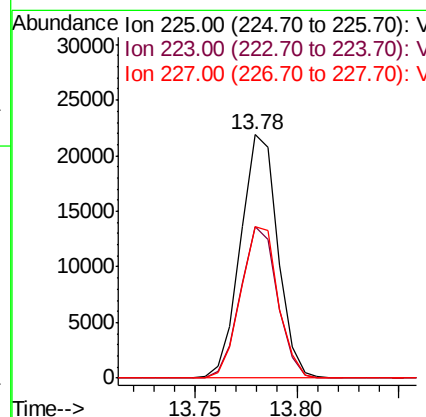
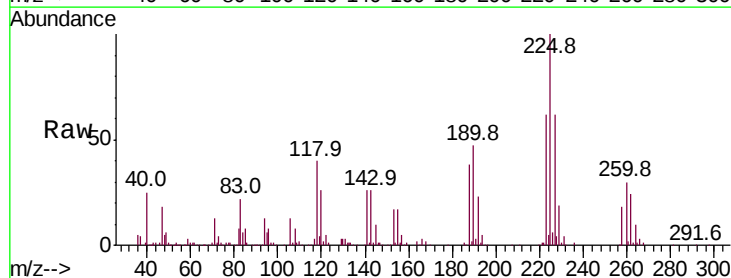
RT: 13.78 min Scan# 2071

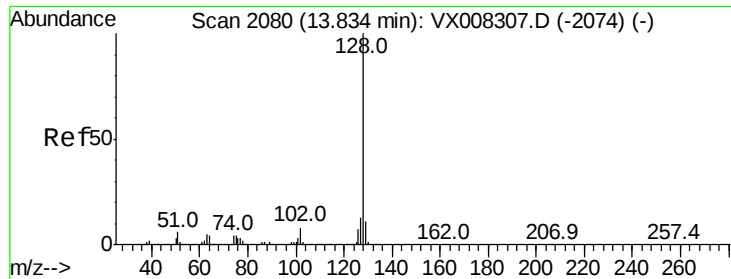
Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Tgt Ion:	225	Resp:	27755
Ion Ratio	Lower	Upper	
225	100		
223	61.3	0.0	123.8
227	62.1	0.0	124.4





#91

Naphthalene

Concen: 19.729 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Instrument :

MSVOA_X

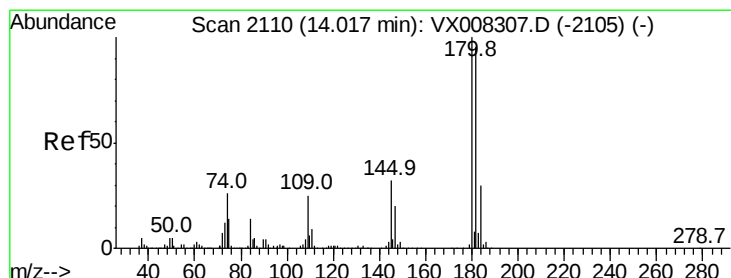
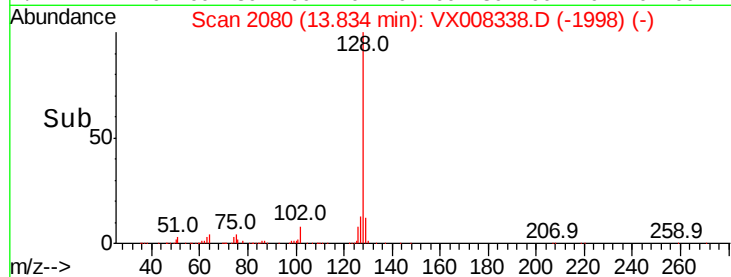
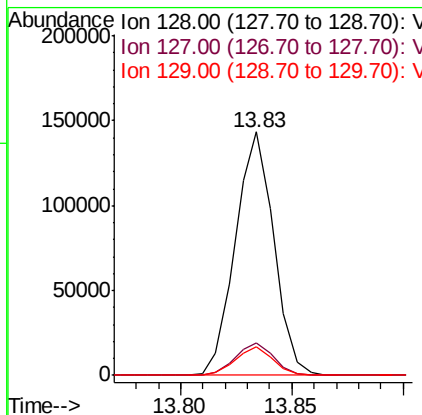
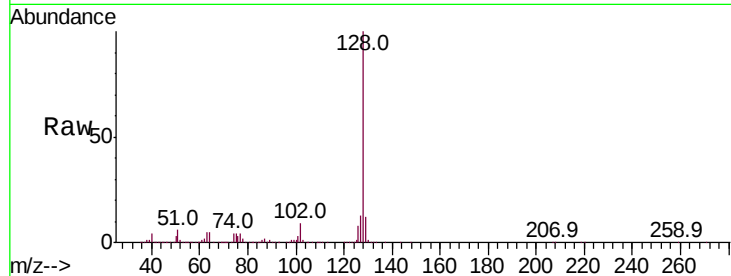
ClientSampleId :

VX0322WBS01

Tot Ion:	128	Resp:	171596
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.5	15.7
129	11.5	8.9	13.3

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 19.325 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008338.D

Acq: 22 Mar 2019 14:59

Tgt Ion:	180	Resp:	56578
Ion Ratio	Lower	Upper	
180	100		
182	94.6	0.0	193.0
145	30.4	0.0	63.0

