

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032219\
 Data File : VX008333.D
 Acq On : 22 Mar 2019 12:13
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 3/23/2019 9:33:46 AM

Quant Time: Mar 22 15:34:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 22 13:03:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	32369	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	173019	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	151445	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	65440	29.59	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.63%
60) 4-Bromofluorobenzene	11.13	95	74341	30.16	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.53%
63) Toluene-d8	8.71	98	206158	30.21	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	171825	98.934 ug/l	98
3) Chloromethane	1.33	50	171196	96.407 ug/l	96
4) Vinyl Chloride	1.41	62	195591	97.726 ug/l	97
5) Bromomethane	1.64	94	406622	112.074 ug/l	99
6) Chloroethane	1.71	64	124908	87.814 ug/l	97
7) Trichlorofluoromethane	1.93	101	311086	97.640 ug/l	97
8) Diethyl Ether	2.19	74	121363	98.218 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	169286	96.074 ug/l	99
10) 1,1-Dichloroethene	2.37	96	171787	98.770 ug/l	98
11) Methyl Iodide	2.51	142	267777	101.849 ug/l	94
12) Methyl Acetate	2.78	43	185917	97.961 ug/l	97
13) Acrolein	2.29	56	151063	508.092 ug/l	97
14) Acrylonitrile	3.15	53	464915	493.616 ug/l	98
15) Acetone	2.45	58	171617	464.664 ug/l	99
16) Carbon Disulfide	2.57	76	467378	96.916 ug/l	98
17) Allyl chloride	2.73	41	255837	99.684 ug/l	99
18) Methylene Chloride	2.86	84	178397	95.283 ug/l	92
19) trans-1,2-Dichloroethene	3.17	96	179256	97.091 ug/l	98
20) Diisopropyl ether	3.86	45	528666	98.515 ug/l	94
21) 1,1-Dichloroethane	3.70	63	309101	97.529 ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	208807	98.058 ug/l	97
23) tert-Butyl Alcohol	3.06	59	189915	496.691 ug/l	100
24) Methyl tert-Butyl Ether	3.20	73	551021	98.613 ug/l	98
25) Chloroform	5.21	83	327000	97.264 ug/l	97
26) Cyclohexane	5.58	56	280114	99.938 ug/l #	100
29) 1,1-Dichloropropene	5.81	75	245772	100.013 ug/l	98
30) 2-Butanone	4.68	43	691960	488.872 ug/l	97
31) 2,2-Dichloropropane	4.59	77	235298	101.700 ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	288894	99.914 ug/l	99
33) Carbon Tetrachloride	5.79	117	268603	101.151 ug/l	97
34) Benzene	6.15	78	725860	99.161 ug/l	99
35) Methacrylonitrile	5.05	41	131649	99.852 ug/l	97
36) 1,2-Dichloroethane	6.20	62	261314	96.853 ug/l	99
37) Trichloroethene	7.21	130	211653	98.342 ug/l	94
38) Methylcyclohexane	7.46	83	308033	100.016 ug/l	100
39) 1,2-Dichloropropane	7.51	63	183849	98.706 ug/l	99
40) Dibromomethane	7.66	93	136920	100.228 ug/l	97

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

41) Bromodichloromethane	7.90	83	261703	100.959	ug/l	100
42) Vinyl Acetate	3.82	43	2409880	506.554	ug/l	99
43) Ethyl Acetate	4.84	43	249213	99.691	ug/l #	81
44) Isopropyl Acetate	6.45	43	402405	102.343	ug/l	98
45) 1,4-Dioxane	7.74	88	94436	1909.552	ug/l	97
46) Methyl methacrylate	7.77	41	196814	102.013	ug/l	99
47) n-amyl Acetate	10.90	43	348260	103.309	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	276936	106.706	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	305543	105.504	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	192700	98.190	ug/l	94
51) Ethyl methacrylate	9.18	69	295771	103.231	ug/l	97
52) 1,3-Dichloropropane	9.37	76	308151	97.906	ug/l	100
53) Dibromochloromethane	9.59	129	227142	102.674	ug/l	99
54) 1,2-Dibromoethane	9.67	107	214044	99.407	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	723974	502.240	ug/l	99
56) Bromoform	10.85	173	180362	103.268	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	1265148	496.159	ug/l	97
59) 2-Hexanone	9.49	43	990521	491.073	ug/l	98
61) Tetrachloroethene	9.34	164	197123	96.694	ug/l	99
62) Toluene	8.79	91	800602	99.593	ug/l	99
64) Chlorobenzene	10.14	112	507121	97.853	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	198084	100.077	ug/l	99
66) Ethyl Benzene	10.25	91	876959	100.873	ug/l	100
67) m/p-Xylenes	10.36	106	689151	199.449	ug/l	99
68) o-Xylene	10.70	106	328606	99.000	ug/l	100
69) Styrene	10.71	104	575319	102.665	ug/l	97
70) Isopropylbenzene	11.02	105	866210	99.187	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	290246	97.465	ug/l	98
72) 1,2,3-Trichloropropane	11.30	75	233051m	93.759	ug/l	
73) Bromobenzene	11.26	156	238280	98.615	ug/l	97
74) n-propylbenzene	11.36	91	977335	100.401	ug/l	99
75) 2-Chlorotoluene	11.42	91	571275	98.270	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	747717	100.223	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	94841	111.602	ug/l	89
78) 4-Chlorotoluene	11.51	91	685149	100.142	ug/l	97
79) tert-butylbenzene	12.07	119	791804	100.897	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	741441	100.013	ug/l	99
81) sec-Butylbenzene	11.94	105	838933	98.587	ug/l	99
82) p-Isopropyltoluene	12.07	119	791804	100.897	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	419973	100.141	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	412812	98.845	ug/l	97
85) n-Butylbenzene	12.39	91	699850	103.675	ug/l	99
86) Hexachloroethane	12.60	117	139045	102.804	ug/l	90
87) 1,2-Dichlorobenzene	12.39	146	408572	98.786	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	68853	101.001	ug/l	96
89) 1,2,4-Trichlorobenzene	13.65	180	304674	104.084	ug/l	100
90) Hexachlorobutadiene	13.78	225	147235	99.917	ug/l	98
91) Naphthalene	13.83	128	916181	104.211	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	304110	102.766	ug/l	98

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VSTDICC100

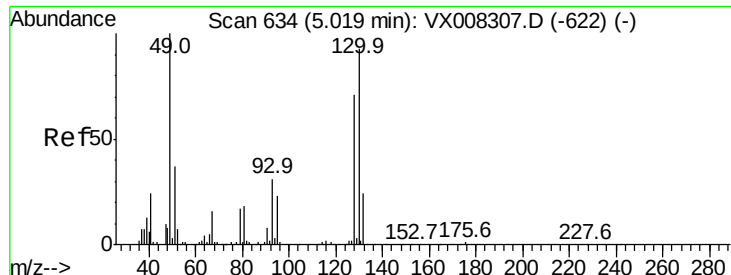
Manual Integrations
APPROVED

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



#1

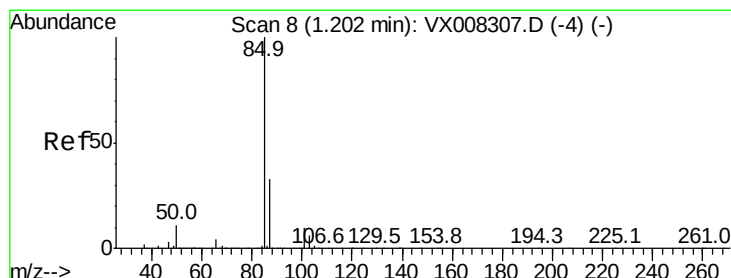
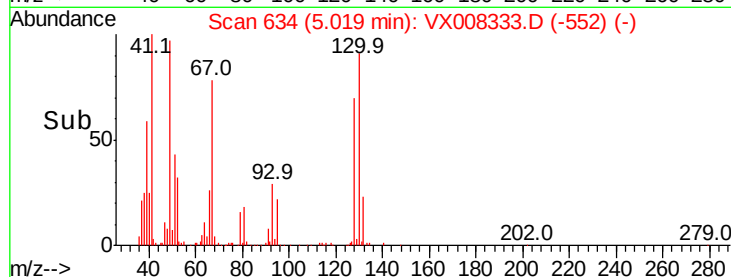
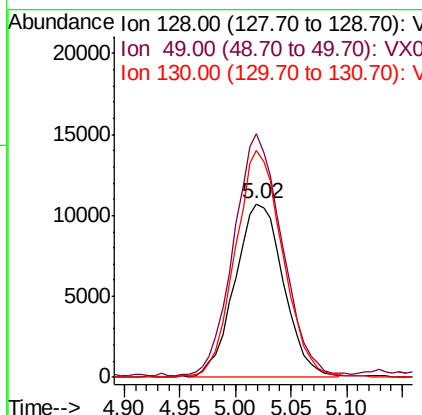
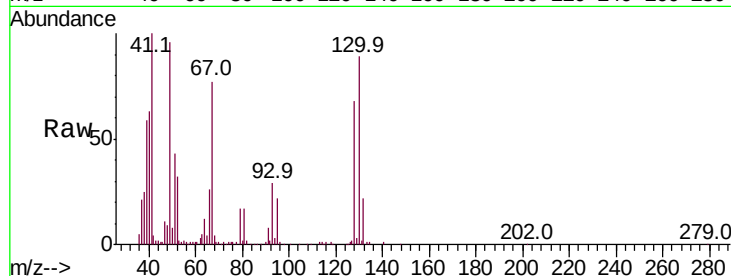
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
49	138.9	0.0	350.8
130	128.4	0.0	325.8

Manual Integrations
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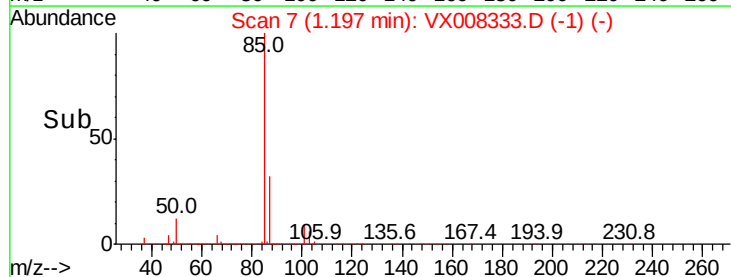
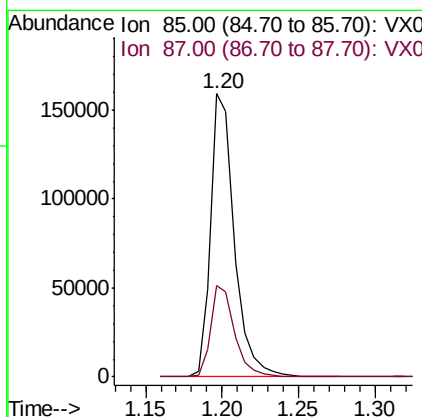
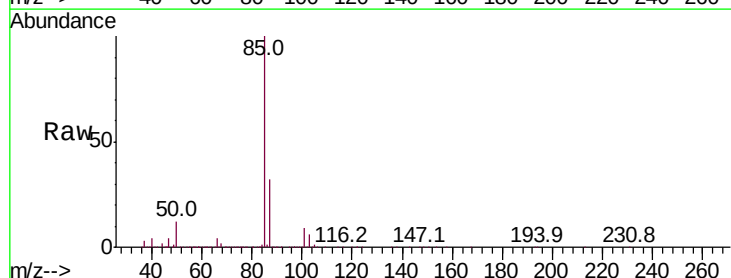
MMDadoda
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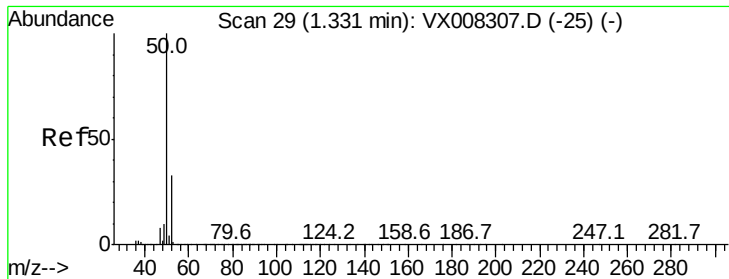


#2

Dichlorodifluoromethane
 Concen: 98.934 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. -0.01 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.6	49.8





#3

Chloromethane

Concen: 96.407 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 171196

Ion Ratio Lower Upper

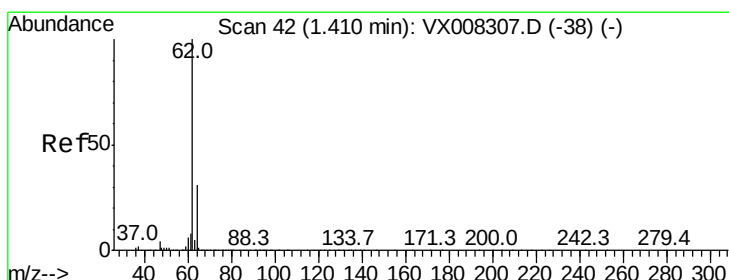
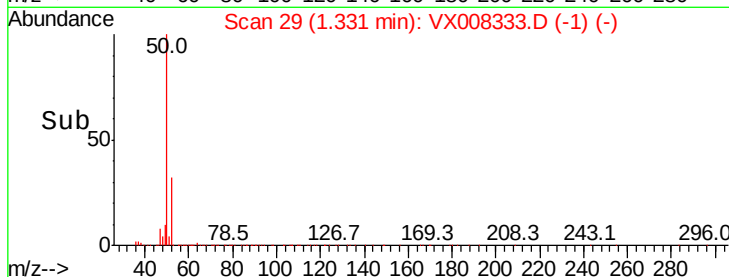
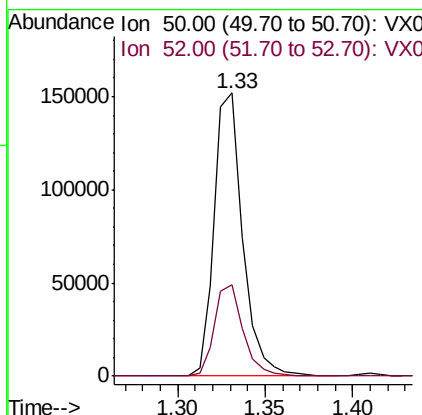
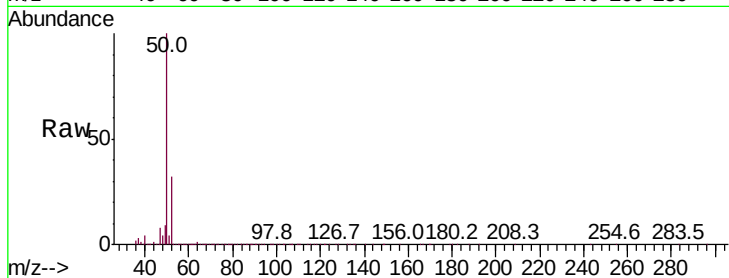
50 100

52 32.0 27.5 41.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 97.726 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008333.D

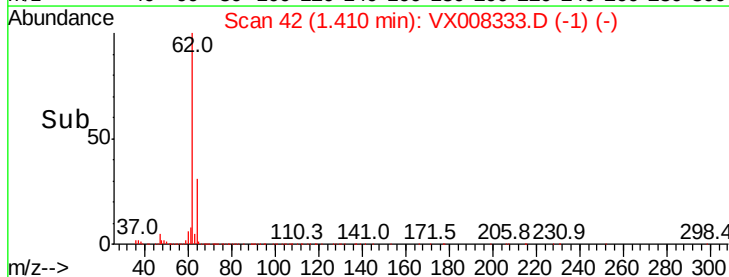
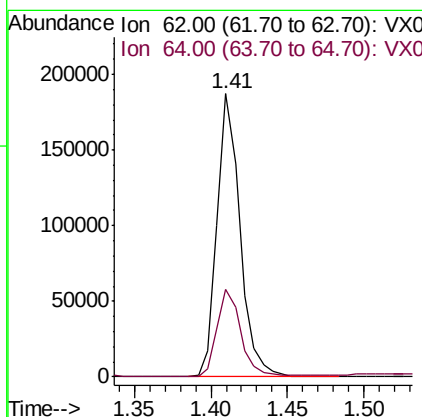
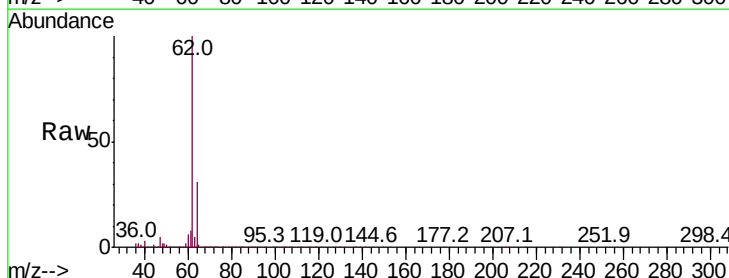
Acq: 22 Mar 2019 12:13

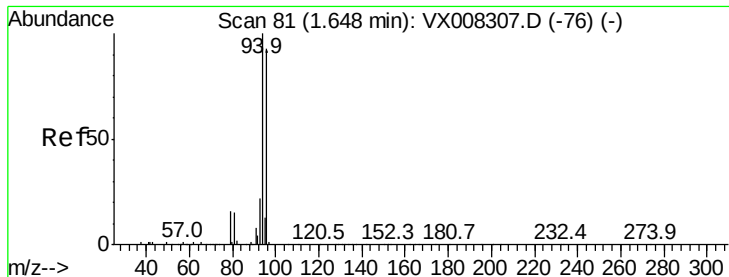
Tgt Ion: 62 Resp: 195591

Ion Ratio Lower Upper

62 100

64 30.5 25.9 38.9





#5

Bromomethane

Concen: 112.074 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.01 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 406622

Ion Ratio Lower Upper

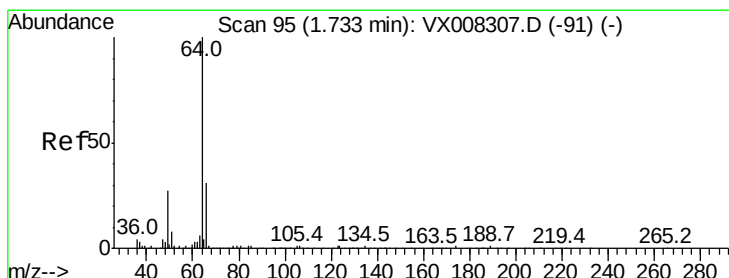
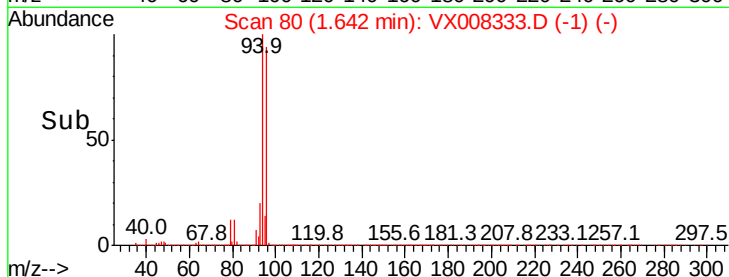
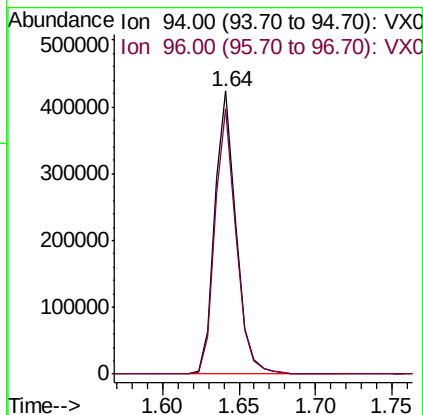
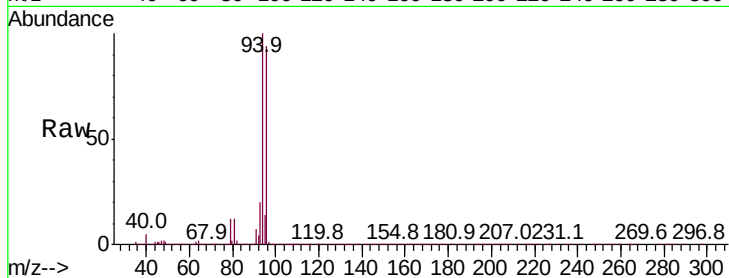
94 100

96 94.0 75.6 113.4

Manual Integrations
APPROVED

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3/23/2019 9:33:46 AM



#6

Chloroethane

Concen: 87.814 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.02 min

Lab File: VX008333.D

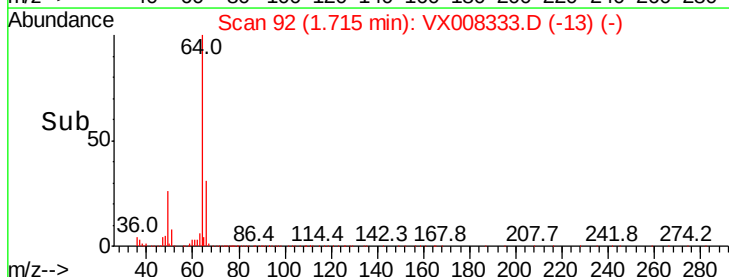
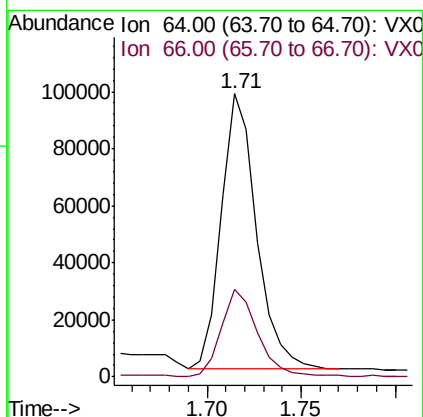
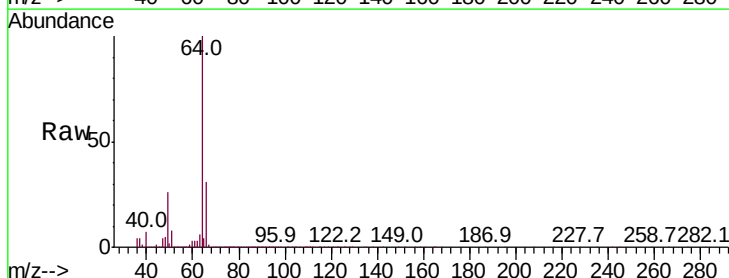
Acq: 22 Mar 2019 12:13

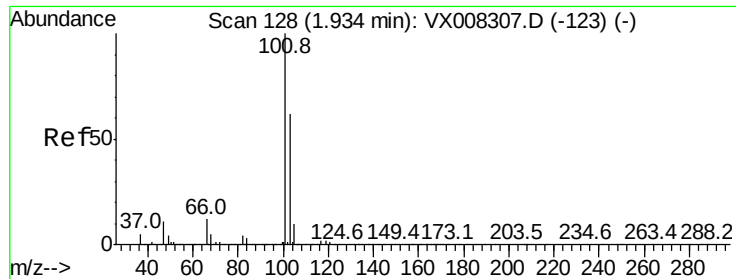
Tgt Ion: 64 Resp: 124908

Ion Ratio Lower Upper

64 100

66 31.3 23.9 35.9





#7

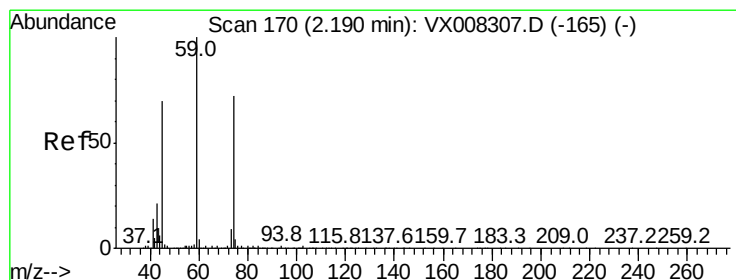
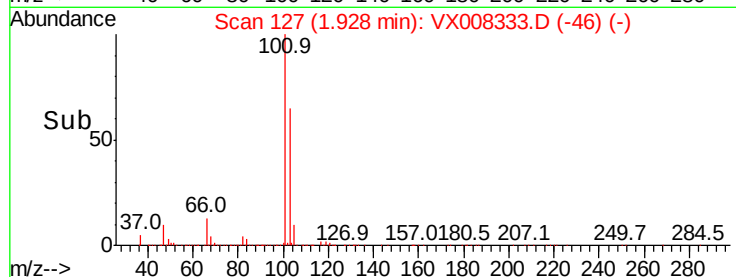
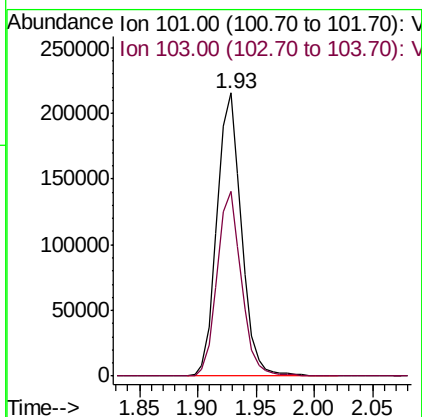
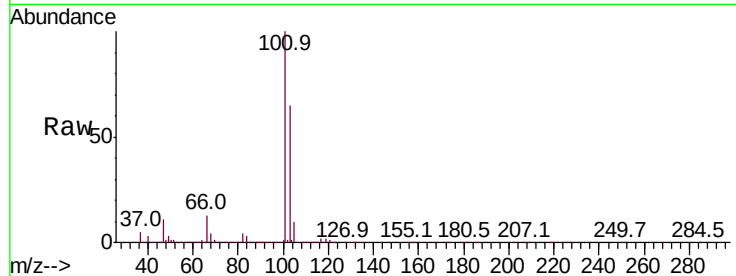
Trichlorofluoromethane
Concen: 97.640 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.01 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	311086		
103	65.3	50.4	75.6	

Manual Integrations
APPROVED

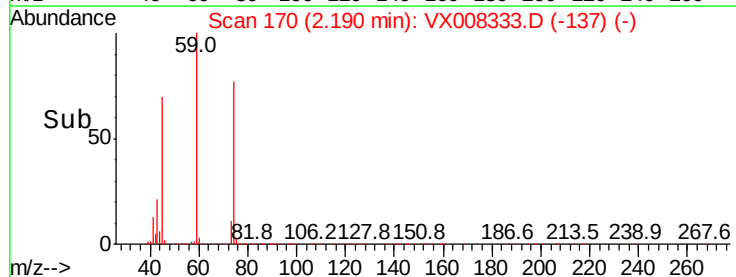
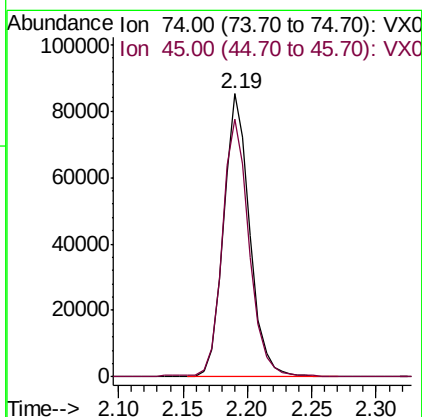
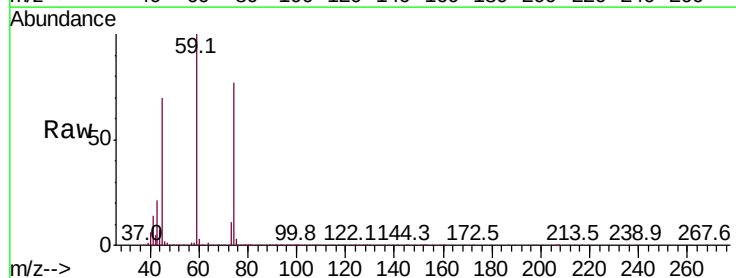
MMDadoda
3/23/2019 9:33:46 AM

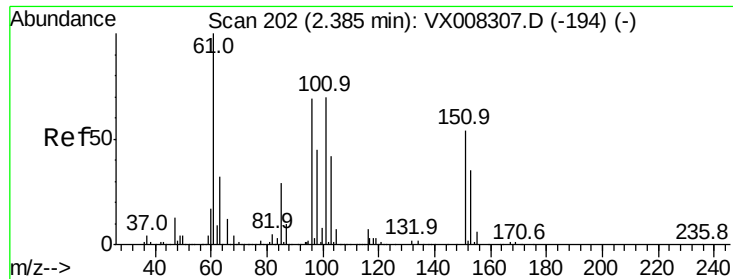


#8

Diethyl Ether
Concen: 98.218 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	121363		
45	93.2	18.6	167.8	





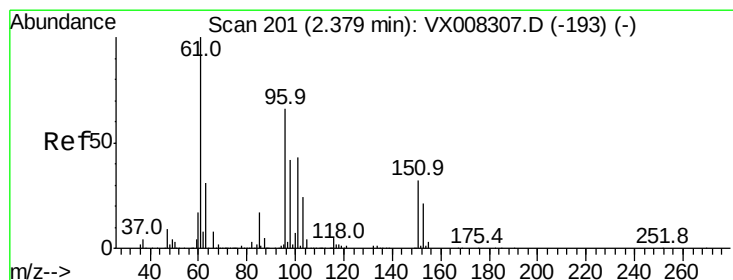
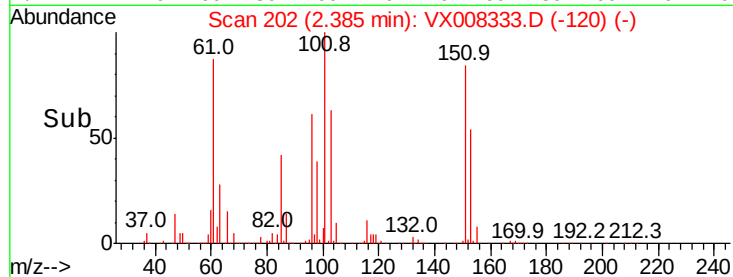
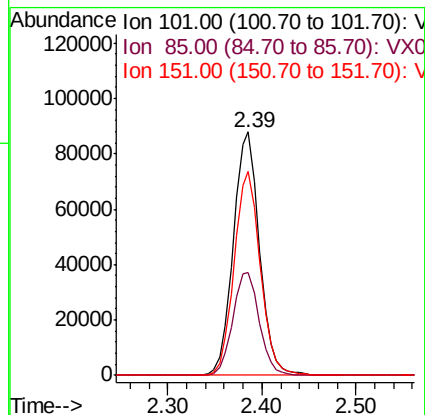
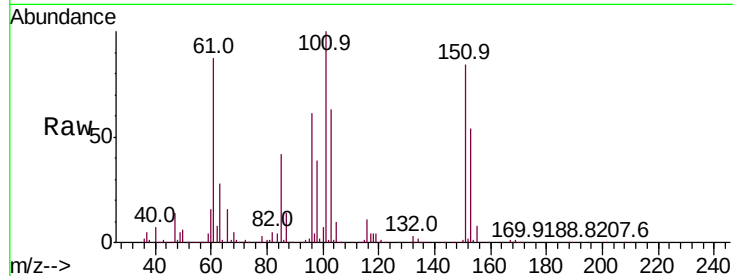
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 96.074 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. 0.00 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	42.9	0.0	86.8
151	83.8	0.0	169.2

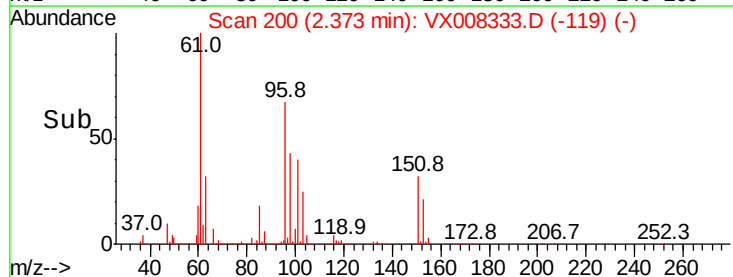
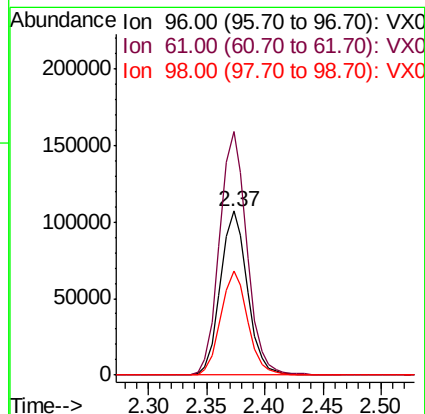
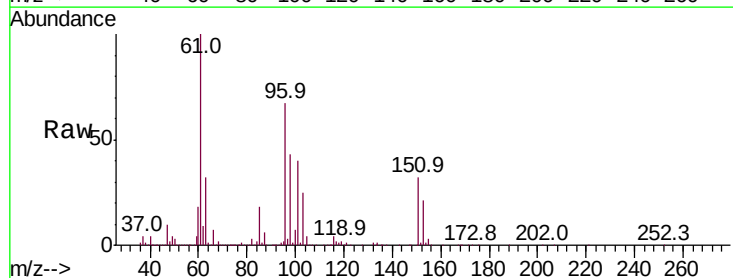
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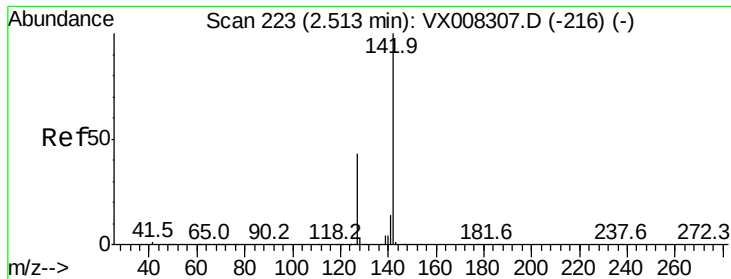
MMDadoda
 3/23/2019 9:33:46 AM



#10
 1,1-Dichloroethene
 Concen: 98.770 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.01 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	148.7	120.2	180.2
98	63.7	49.0	73.4





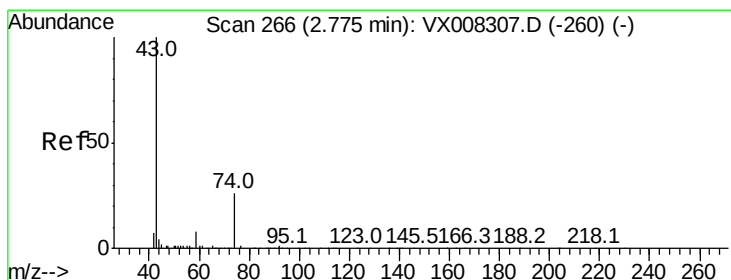
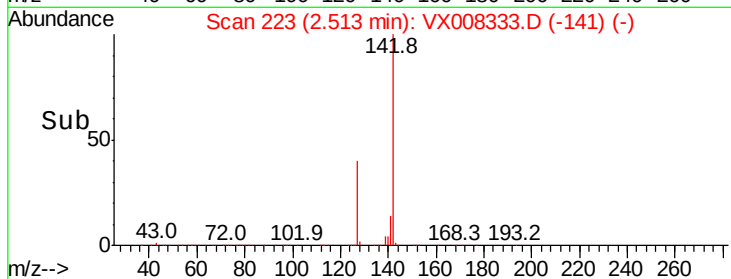
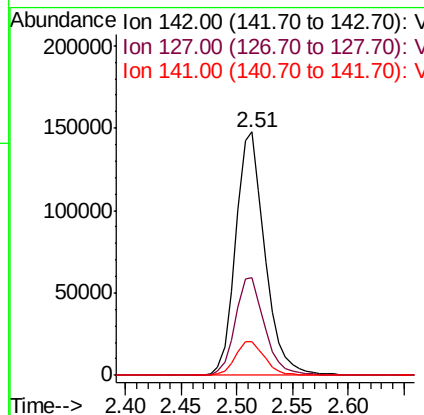
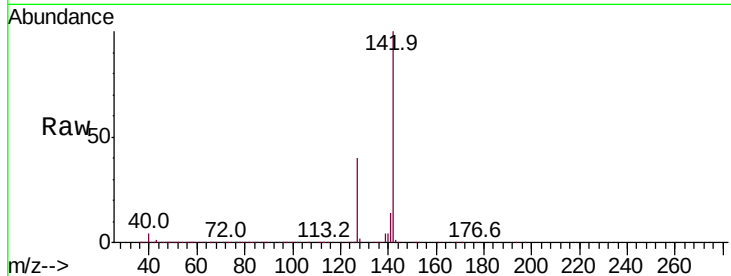
#11
Methvl Iodide
Concen: 101.849 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp Lower	Upper
142	100		
127	40.1	22.1	66.5
141	13.6	7.4	22.3

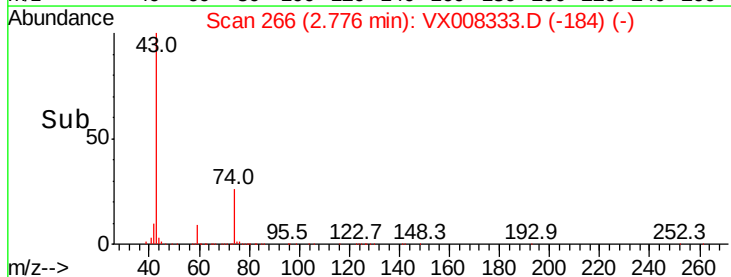
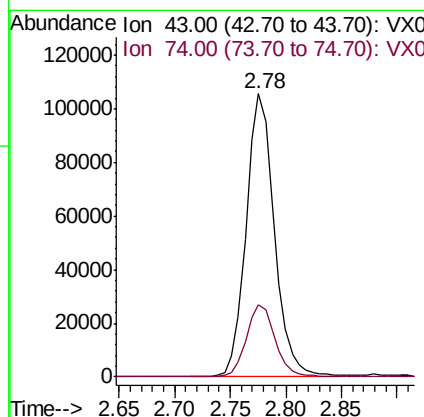
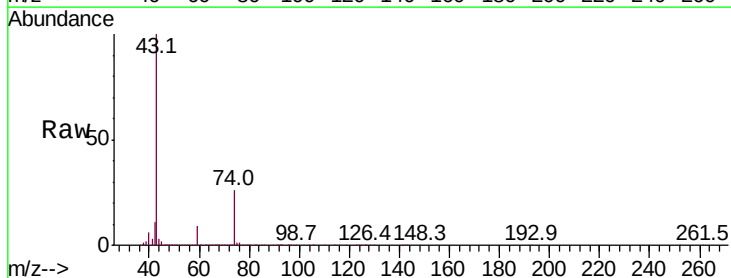
Manual Integrations
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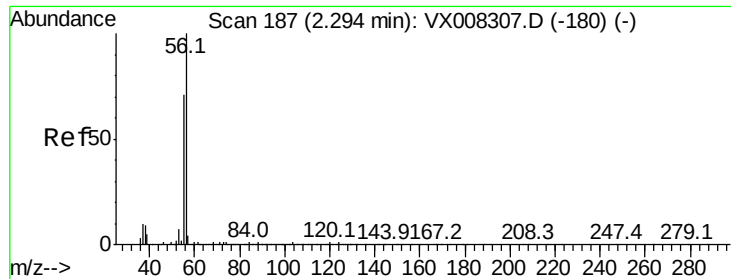
MMDadoda
3/23/2019 9:33:46 AM



#12
Methyl Acetate
Concen: 97.961 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
74	25.6	19.4	29.0





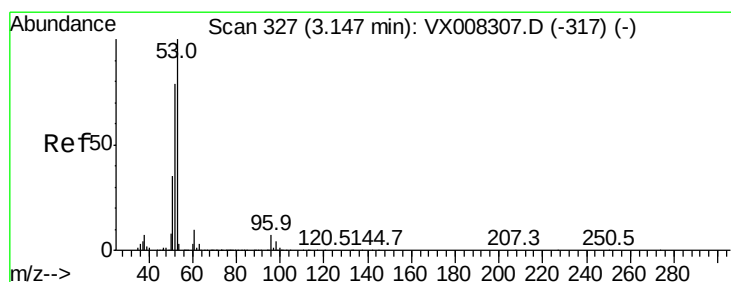
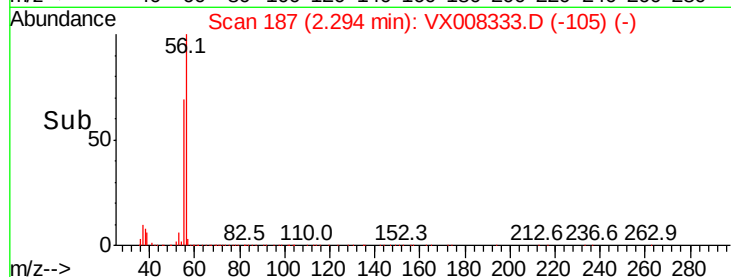
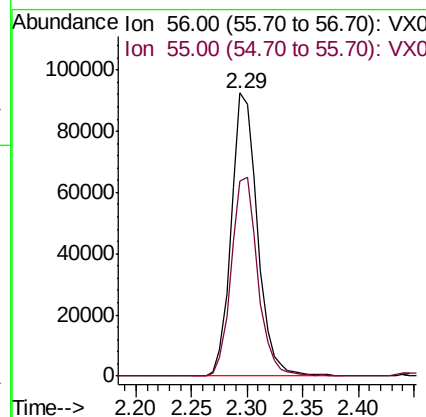
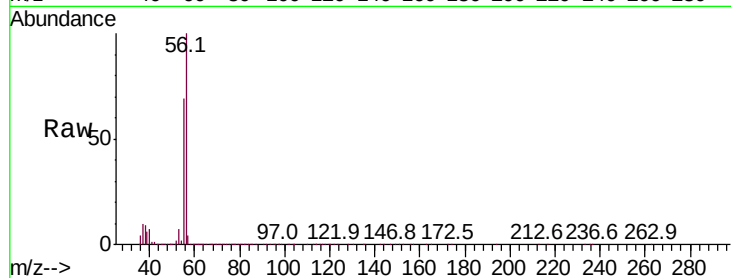
#13
Acrolein
Concen: 508.092 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.3	58.6	87.8

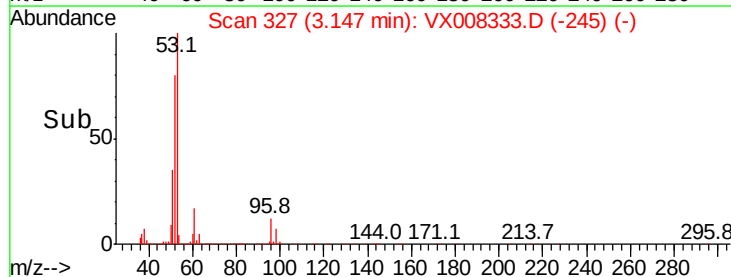
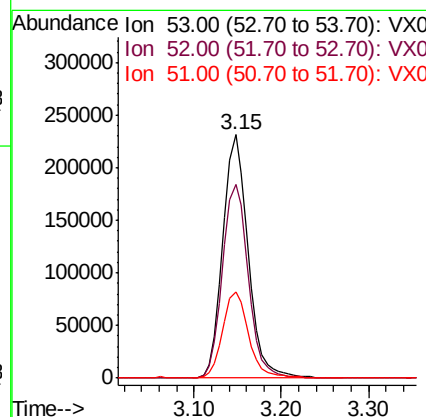
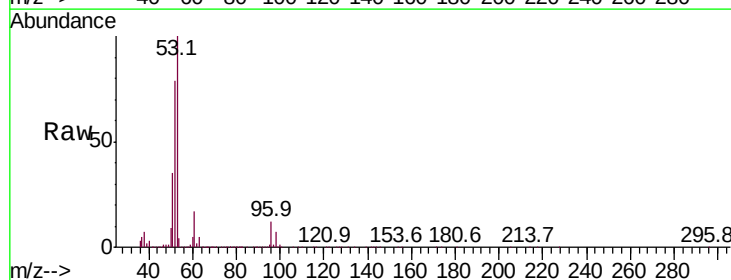
Manual Integrations
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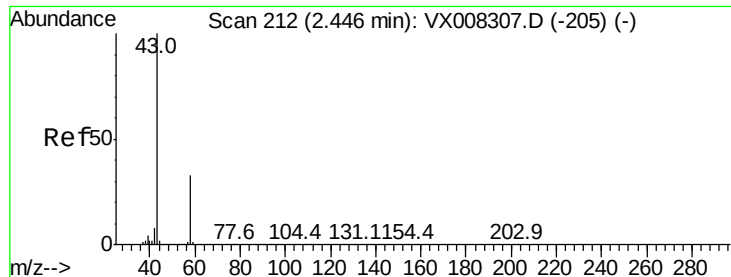
MMDadoda
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#14
Acrylonitrile
Concen: 493.616 ug/l
RT: 3.15 min Scan# 327
Delta R.T. 0.00 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.0	41.3	124.1
51	36.4	17.5	52.6





#15

Acetone

Concen: 464.664 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 171617

Ion Ratio Lower Upper

58 100

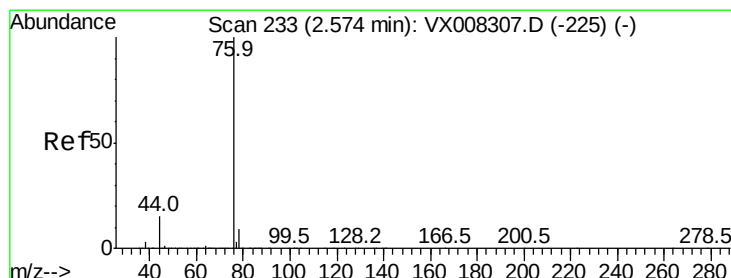
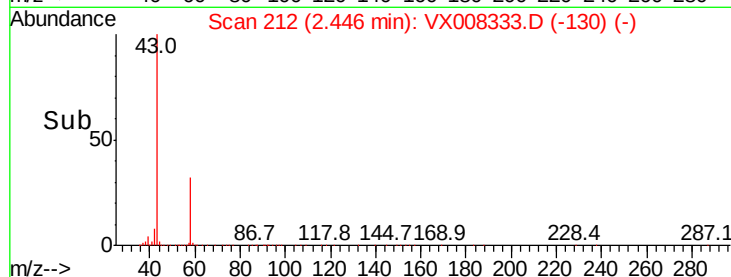
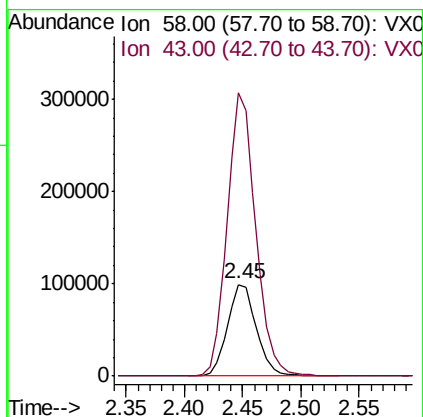
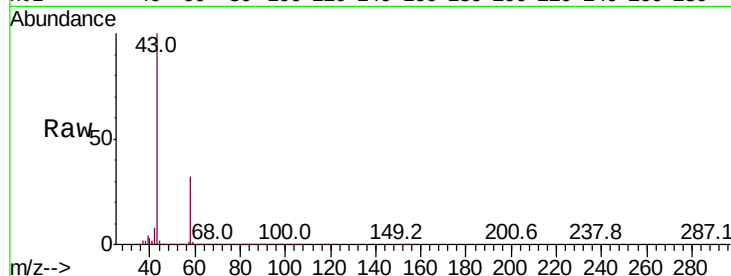
43 309.6 249.8 374.6

Manual Integrations

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#16

Carbon Disulfide

Concen: 96.916 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX008333.D

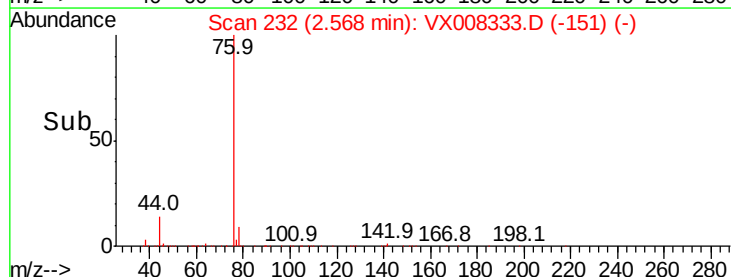
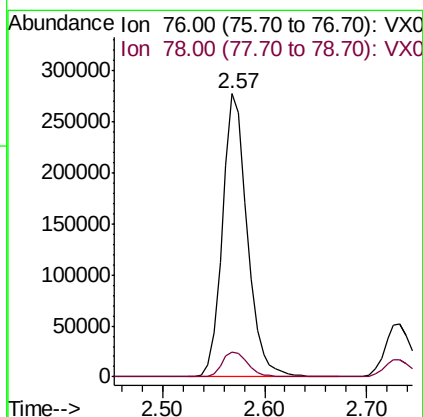
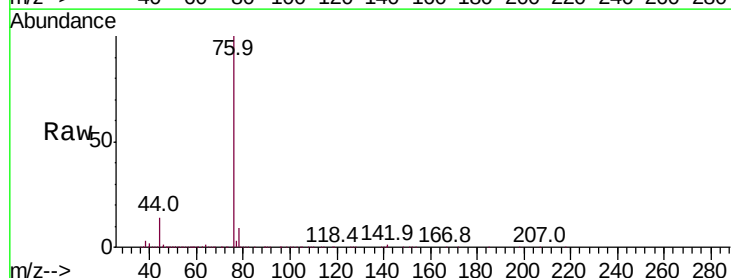
Acq: 22 Mar 2019 12:13

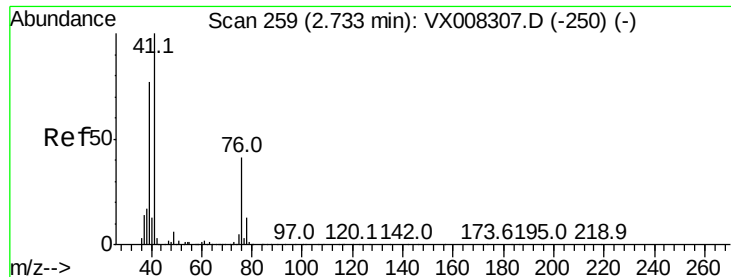
Tgt Ion: 76 Resp: 467378

Ion Ratio Lower Upper

76 100

78 8.6 7.5 11.3





#17

Allvl chloride

Concen: 99.684 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Instrument :

MSVOA_X

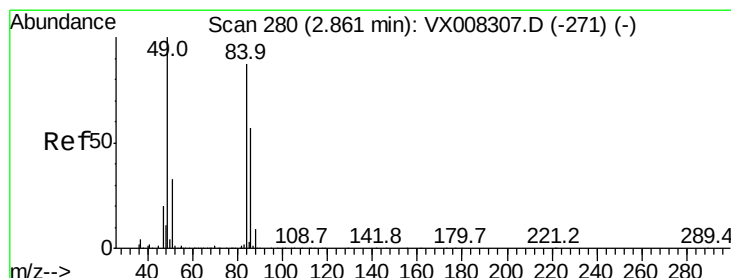
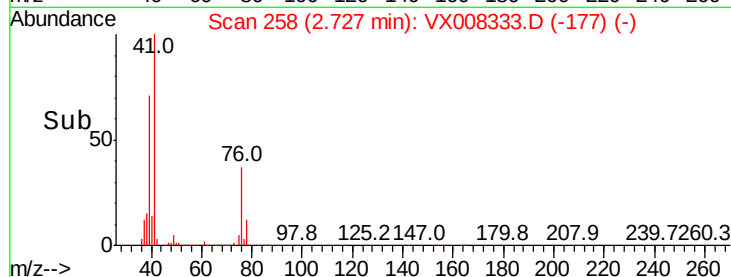
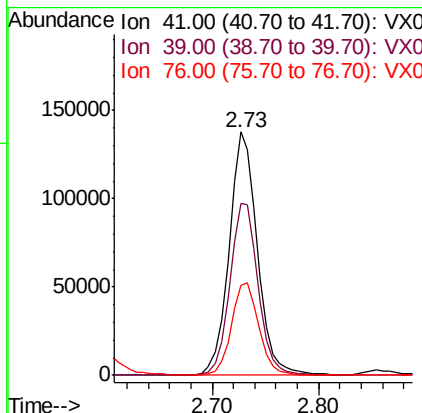
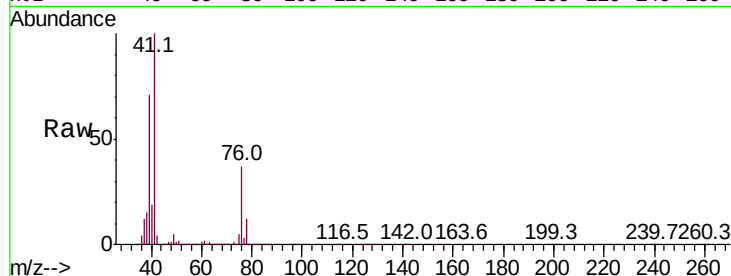
ClientSampleId :

VSTDIC100

Tot Ion:	41	Resp:	255837
Ion	Ratio	Lower	Upper
41	100		
39	70.8	35.8	107.4
76	37.1	18.3	54.9

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#18

Methylene Chloride

Concen: 95.283 ug/l

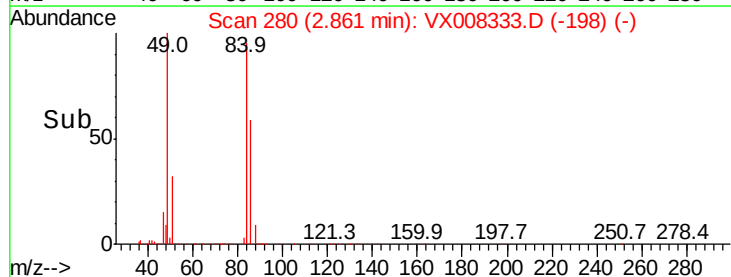
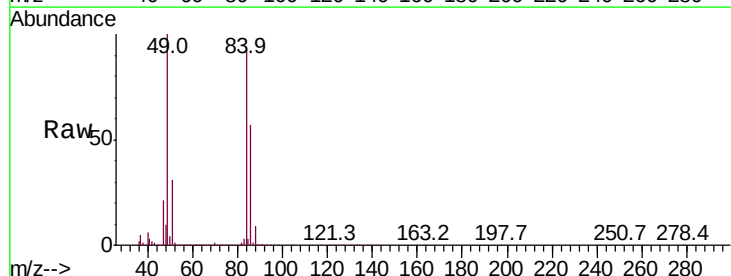
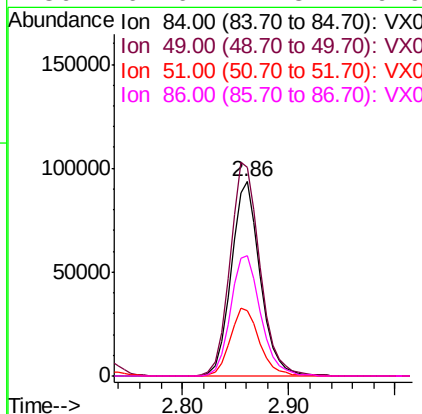
RT: 2.86 min Scan# 280

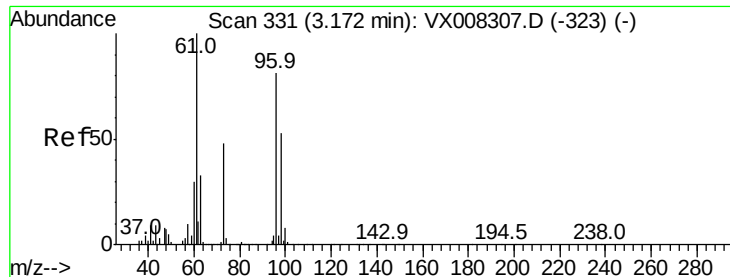
Delta R.T. 0.00 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Tgt Ion:	84	Resp:	178397
Ion	Ratio	Lower	Upper
84	100		
49	107.4	96.1	144.1
51	33.4	29.1	43.7
86	61.6	47.3	70.9





#19

trans-1,2-Dichloroethene

Concen: 97.091 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.01 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 179256

Ion Ratio Lower Upper

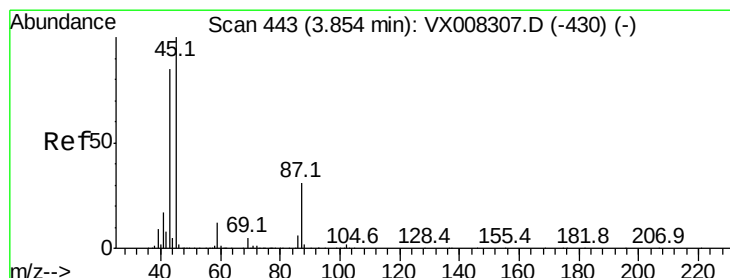
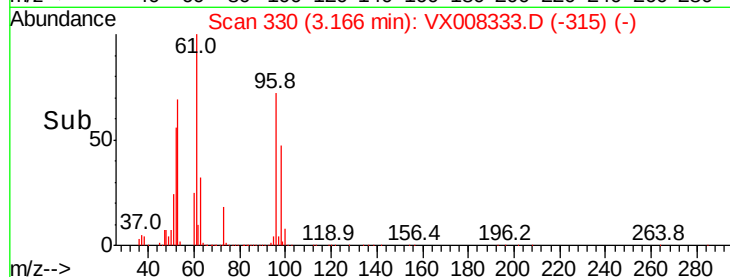
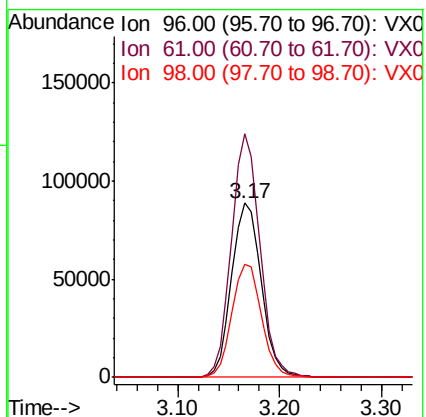
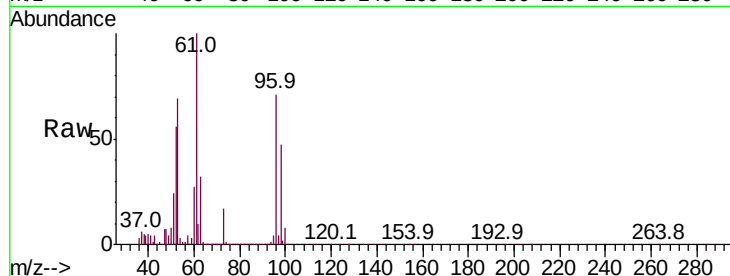
96 100

61 139.8 109.9 164.9

98 65.2 50.4 75.6

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#20

Diisopropyl ether

Concen: 98.515 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Tgt Ion: 45 Resp: 528666

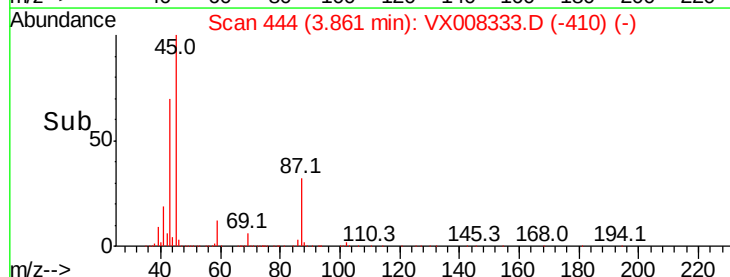
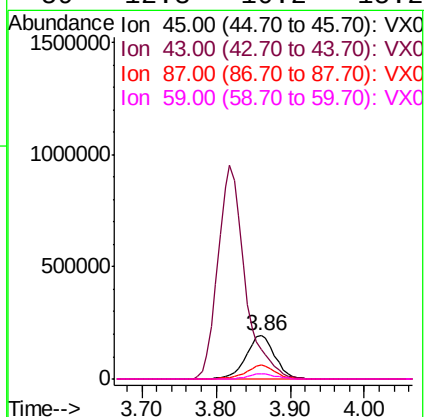
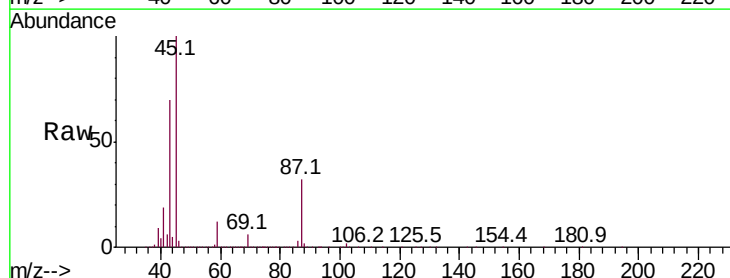
Ion Ratio Lower Upper

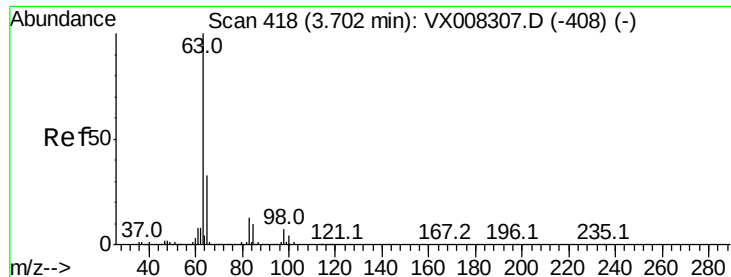
45 100

43 69.4 50.6 76.0

87 32.1 24.5 36.7

59 12.3 10.2 15.2





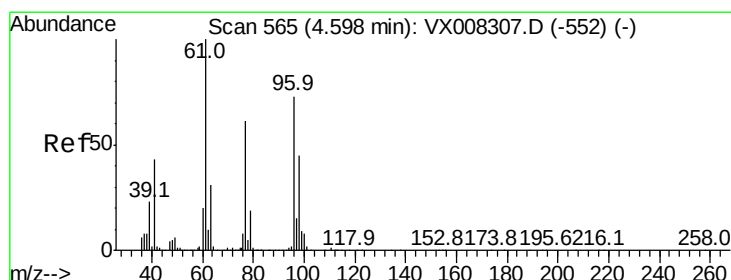
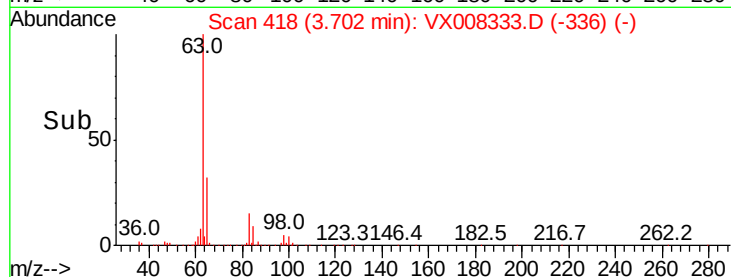
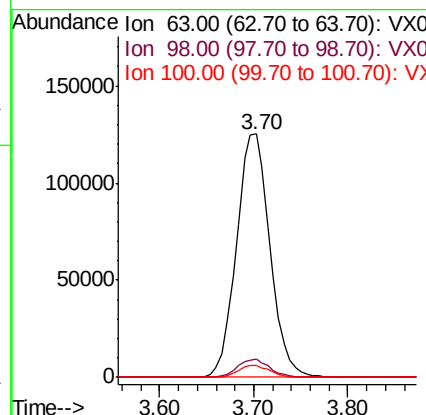
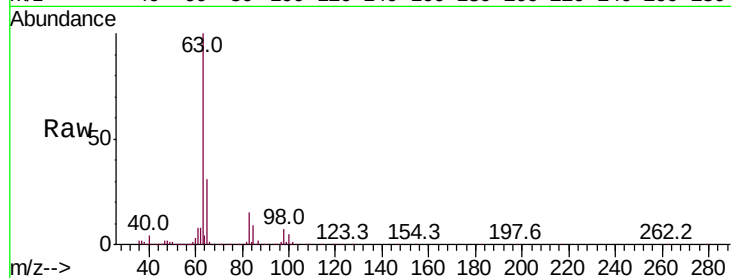
#21
 1,1-Dichloroethane
 Concen: 97.529 ug/l
 RT: 3.70 min Scan# 418
 Delta R.T. 0.00 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
63	100	309101		
98	7.3		3.8	11.4
100	4.8		2.4	7.1

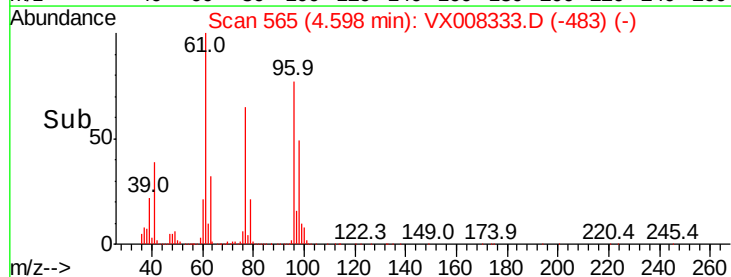
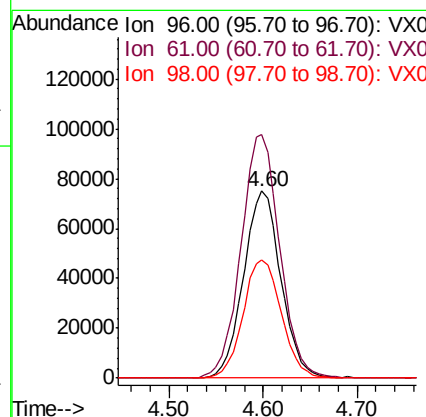
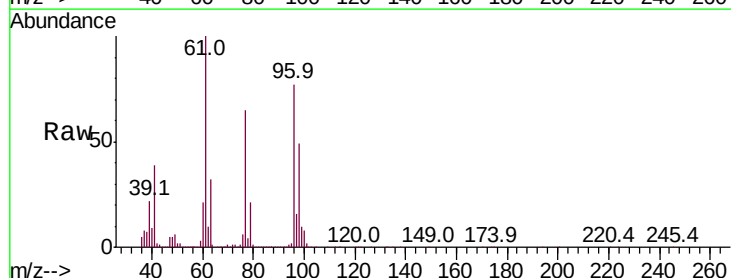
Manual Integrations
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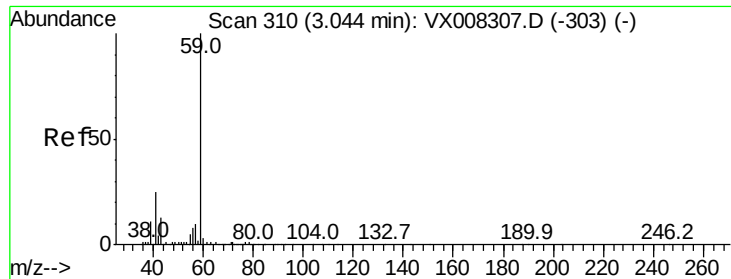
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#22
 cis-1,2-Dichloroethene
 Concen: 98.058 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	208807		
61	134.2		103.5	155.3
98	65.1		52.1	78.1





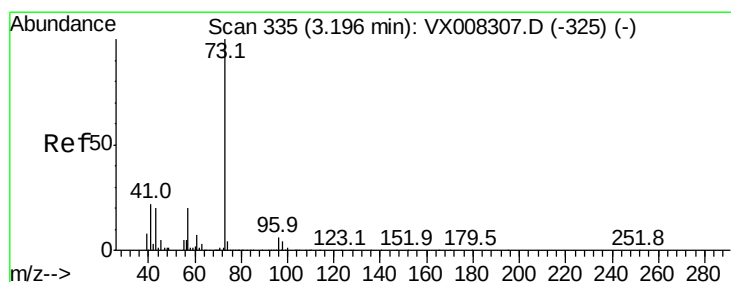
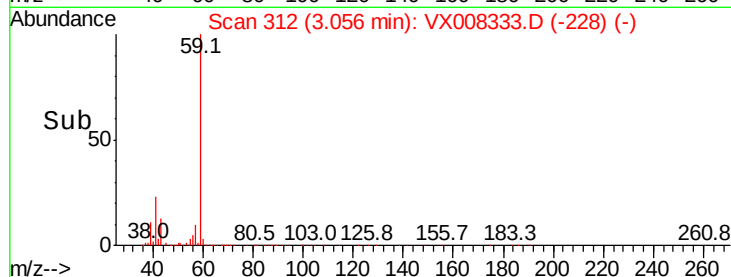
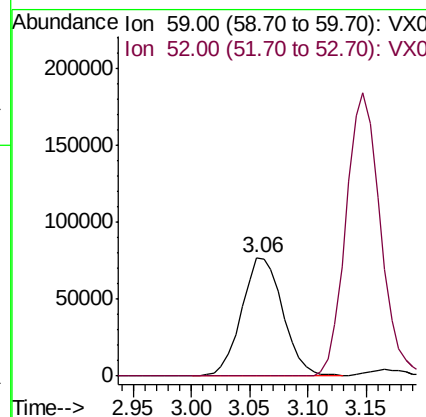
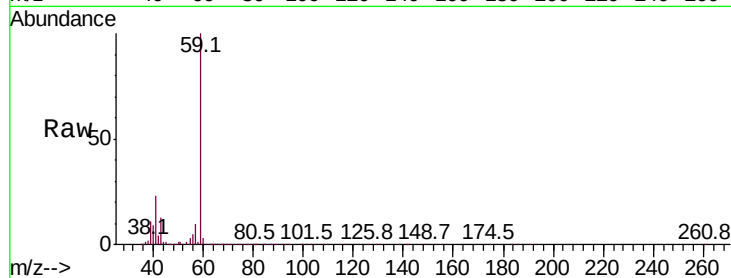
#23
 tert-Butyl Alcohol
 Concen: 496.691 ug/l
 RT: 3.06 min Scan# 312
 Delta R.T. 0.01 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.2	0.2

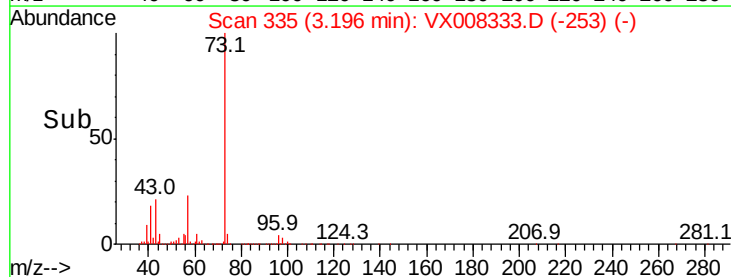
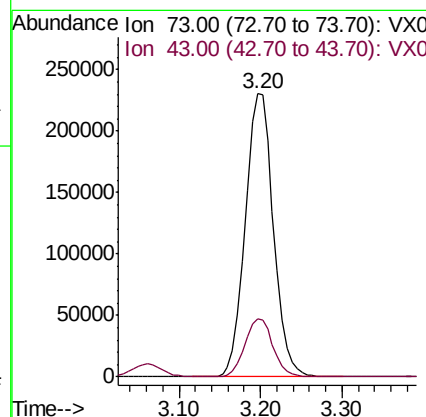
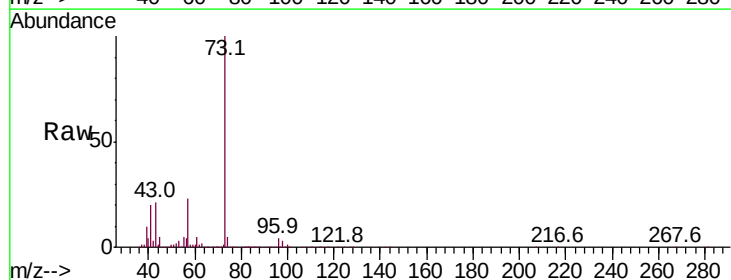
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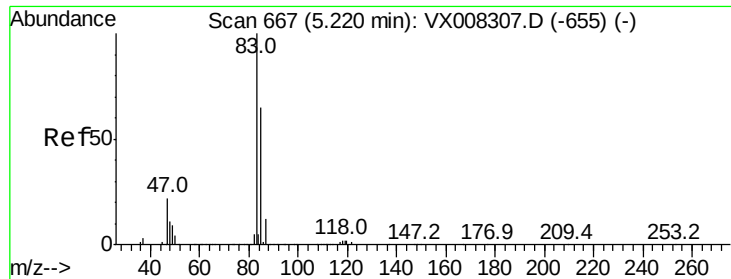
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#24
 Methyl tert-Butyl Ether
 Concen: 98.613 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.5	17.1	25.7





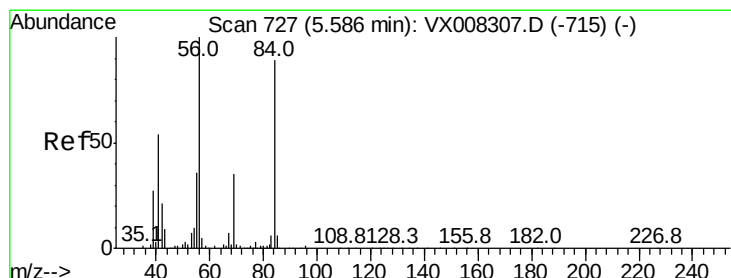
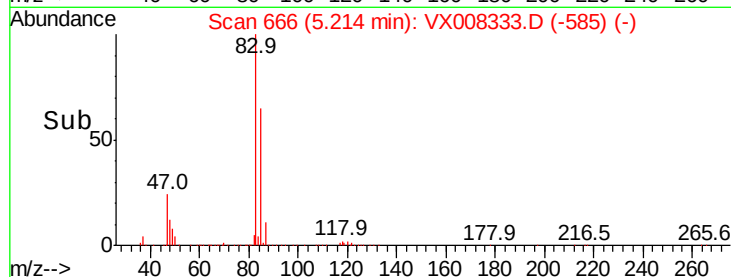
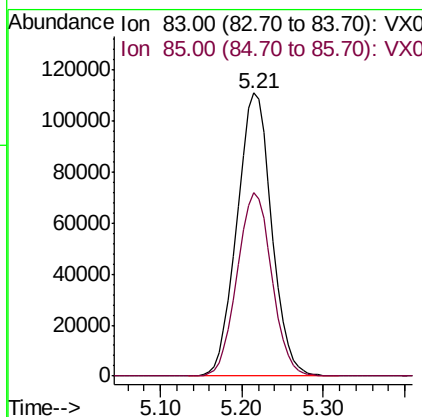
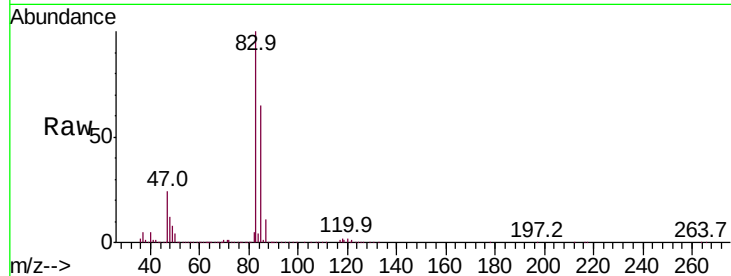
#25
Chloroform
Concen: 97.264 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.01 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	83	Resp	327000
Ion Ratio	100	Lower	Upper
85	64.6	53.8	80.6

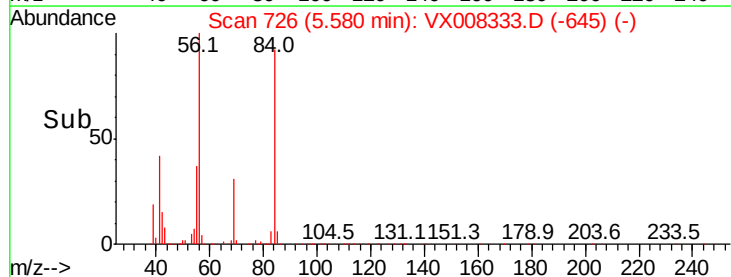
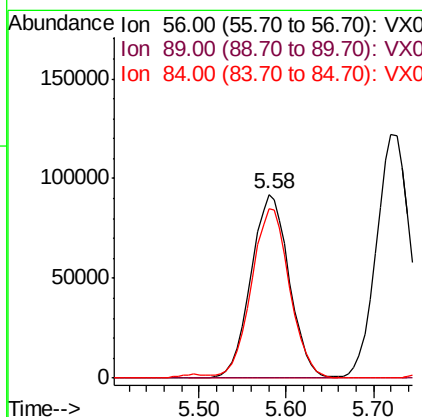
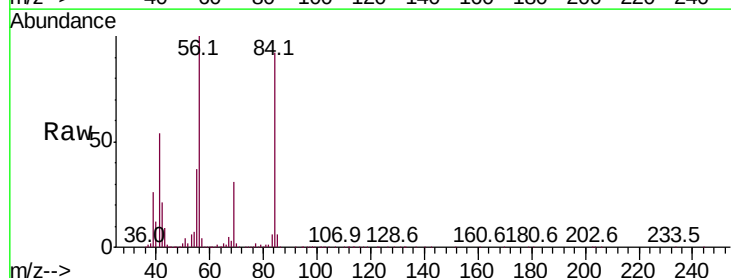
Manual Integrations
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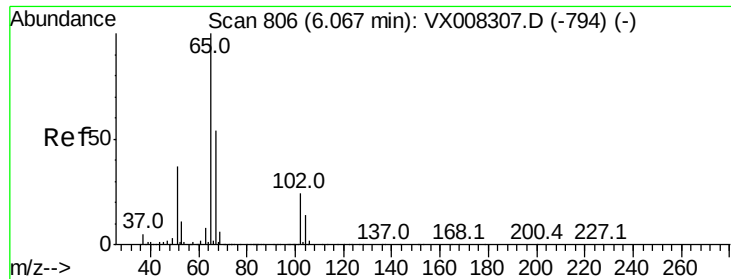
MMDadoda
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#26
Cyclohexane
Concen: 99.938 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.01 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Tgt Ion	56	Resp	280114
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0#
84	92.5	73.9	110.9





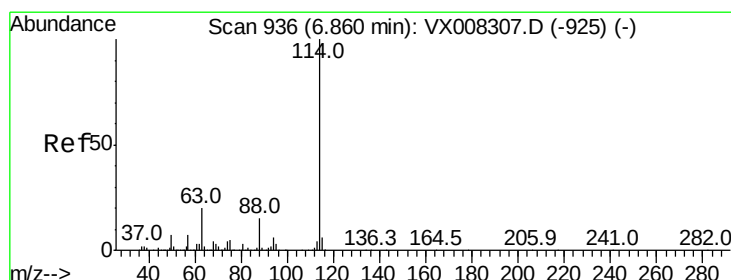
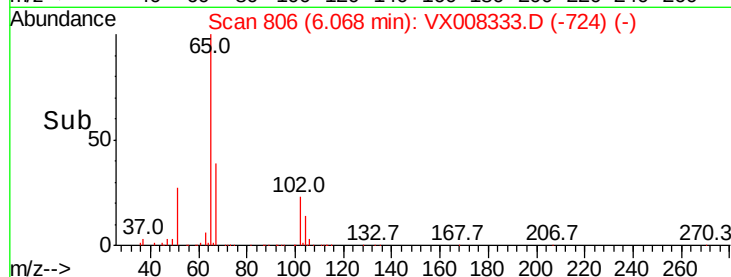
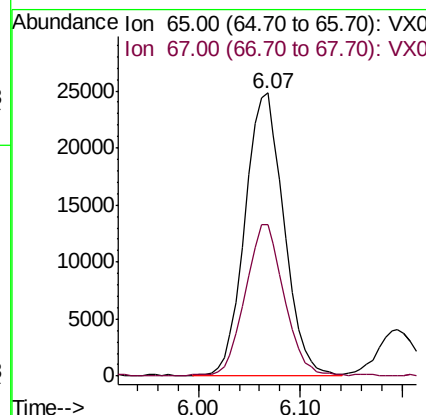
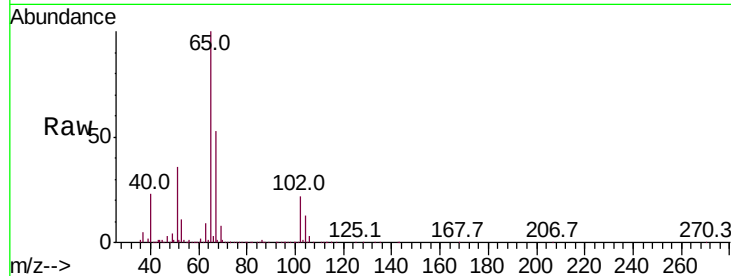
#27
 1,2-Dichloroethane-d4
 Concen: 29.585 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	42.9	64.3

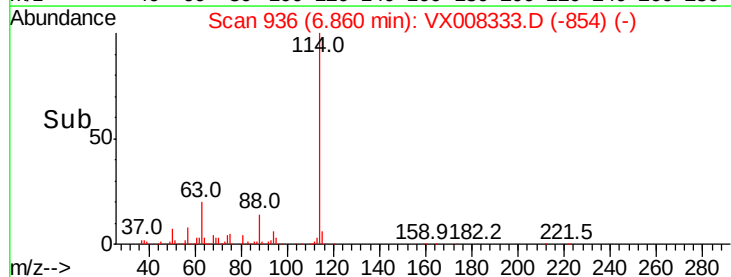
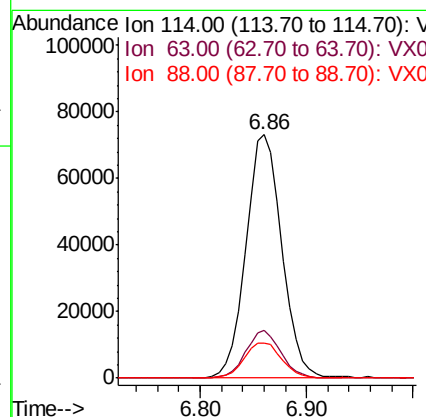
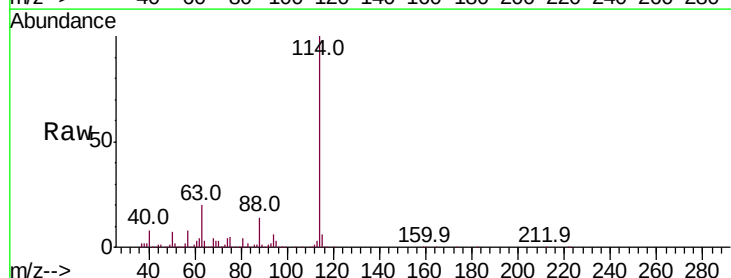
Manual Integrations
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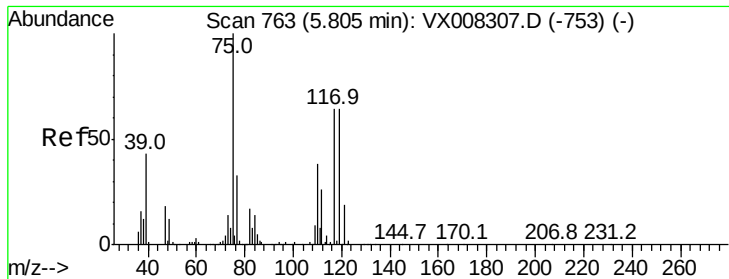
MMDadoda
 3/23/2019 9:33:46 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	14.2	21.4
88	15.2	11.9	17.9





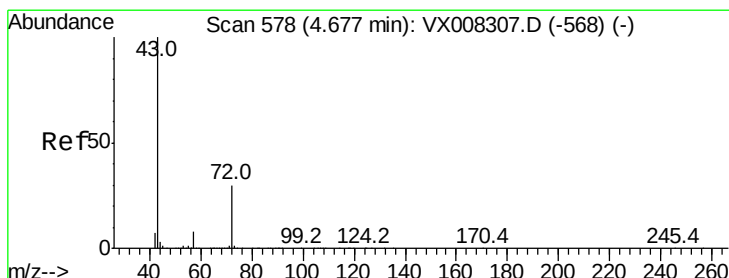
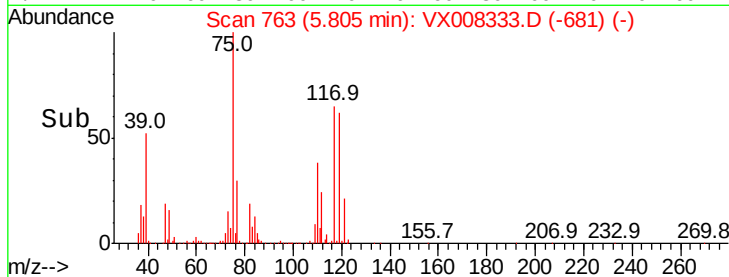
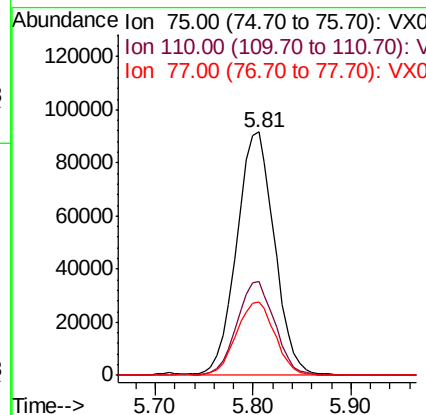
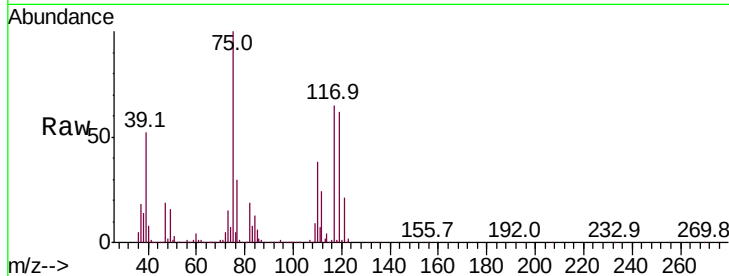
#29
 1,1-Dichloropropene
 Concen: 100.013 ug/l
 RT: 5.81 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.5	0.0	80.8
77	30.8	0.0	62.4

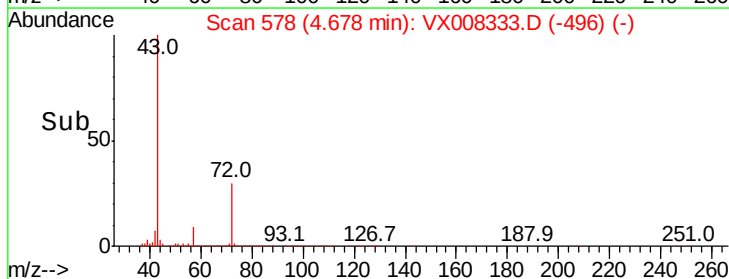
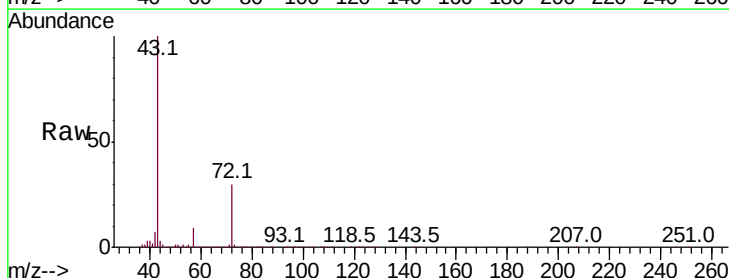
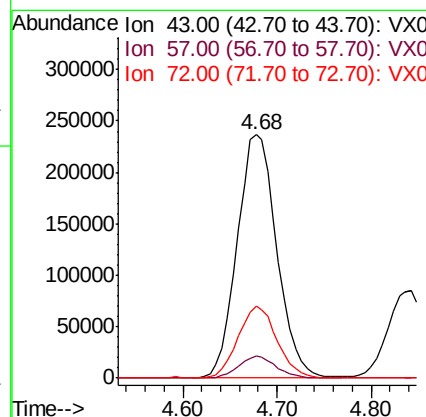
Manual Integrations
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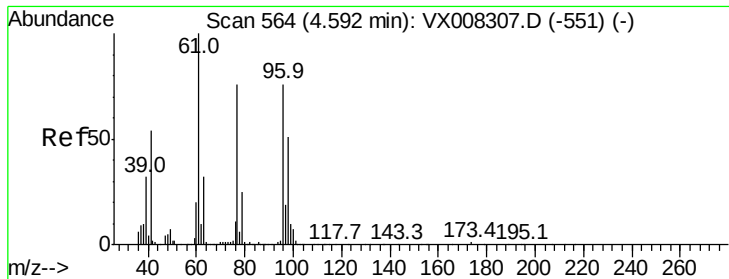
MMDadoda
 3/23/2019 9:33:46 AM



#30
 2-Butanone
 Concen: 488.872 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.7	7.0	10.6
72	28.6	21.5	32.3





#31

2,2-Dichloropropane

Concen: 101.700 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.01 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 77 Resp: 235298

Ion Ratio Lower Upper

77 100

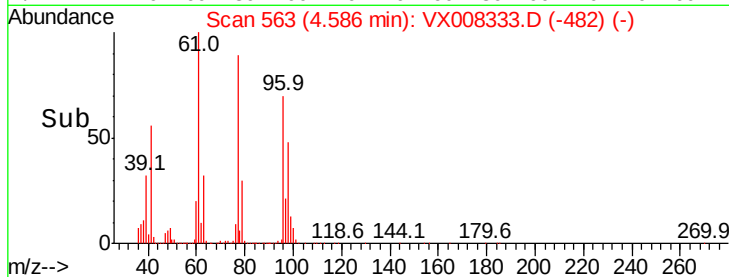
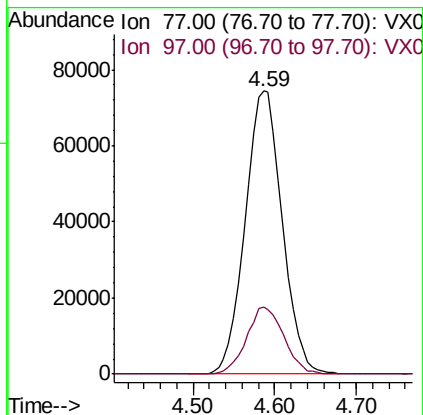
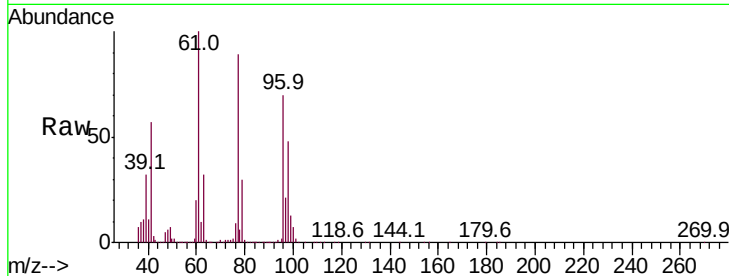
97 23.9 20.6 31.0

Manual Integrations

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MMDadoda

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#32

1,1,1-Trichloroethane

Concen: 99.914 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

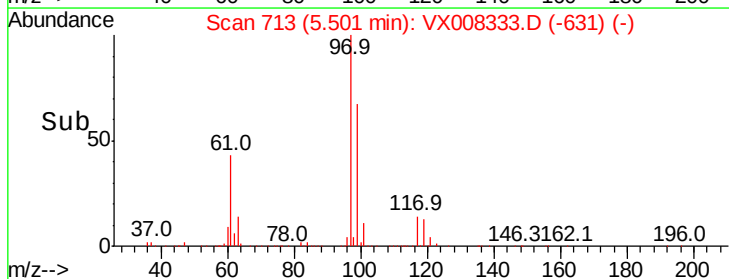
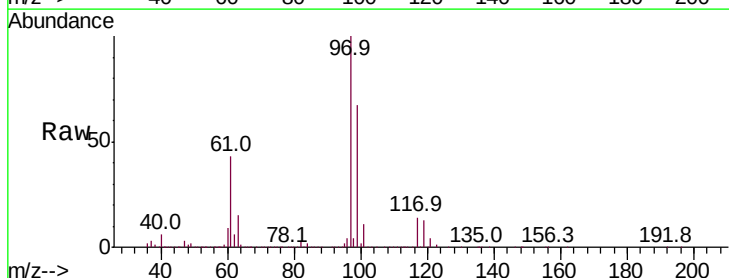
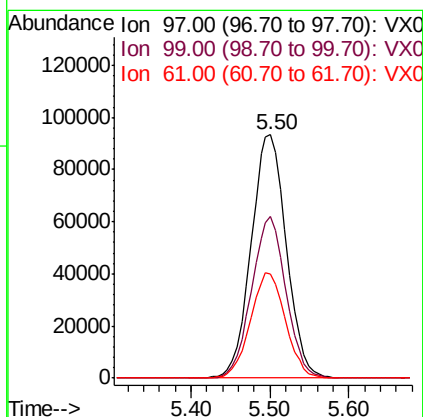
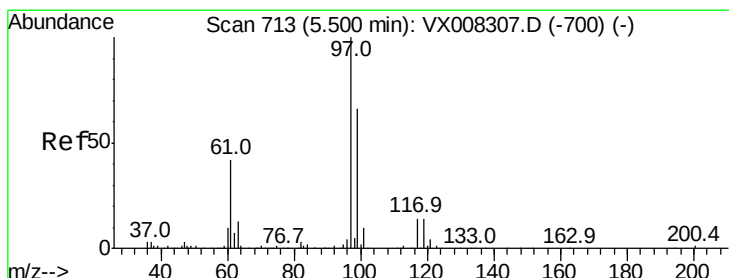
Tgt Ion: 97 Resp: 288894

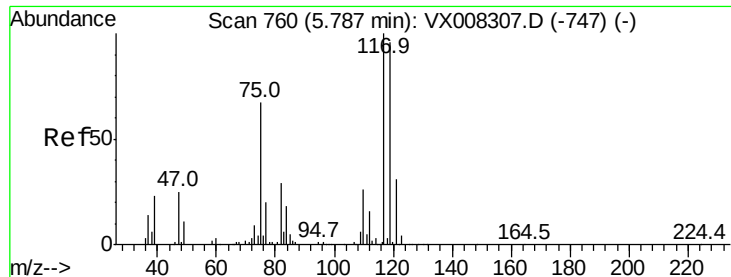
Ion Ratio Lower Upper

97 100

99 64.9 51.7 77.5

61 43.0 32.8 49.2





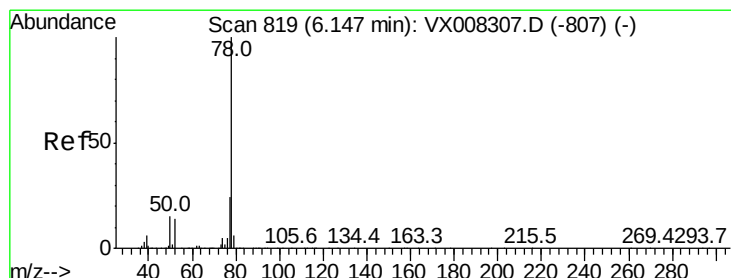
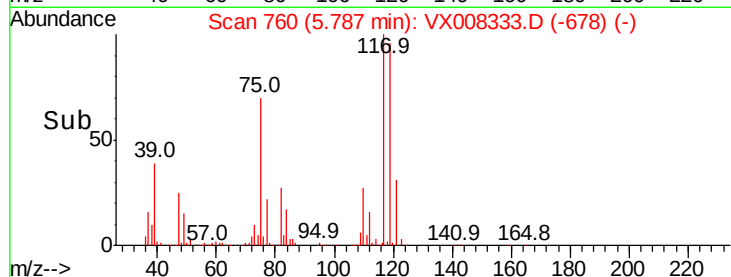
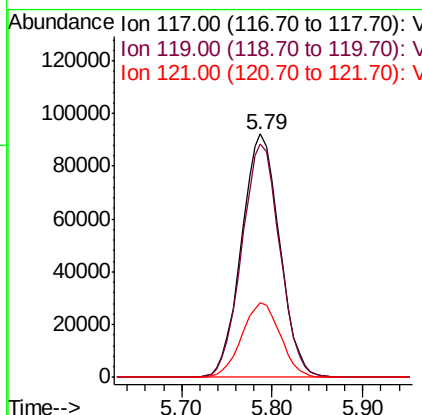
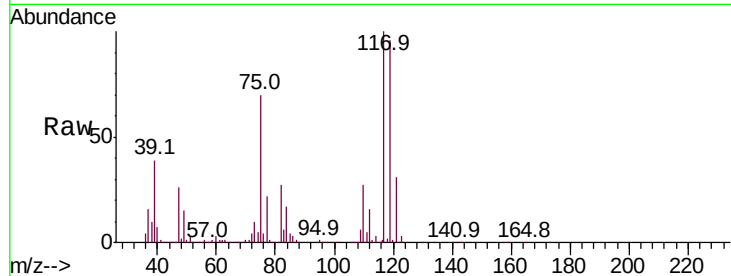
#33
Carbon Tetrachloride
Concen: 101.151 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.6	78.1	117.1
121	30.8	27.0	40.6

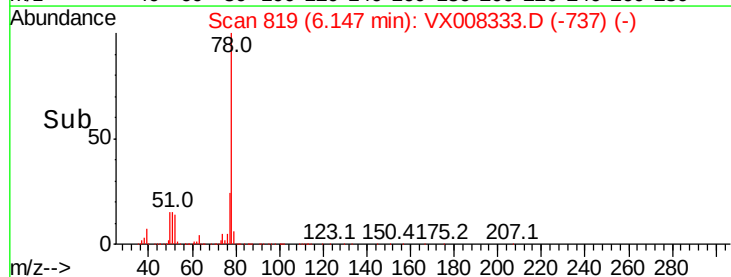
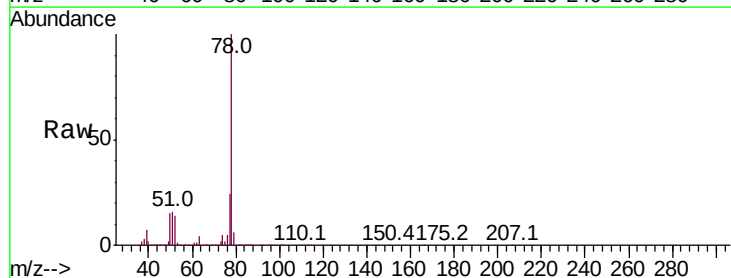
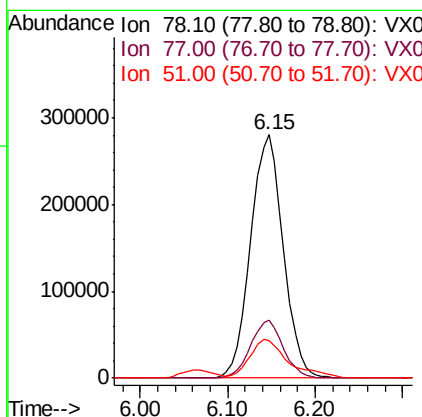
Manual Integrations
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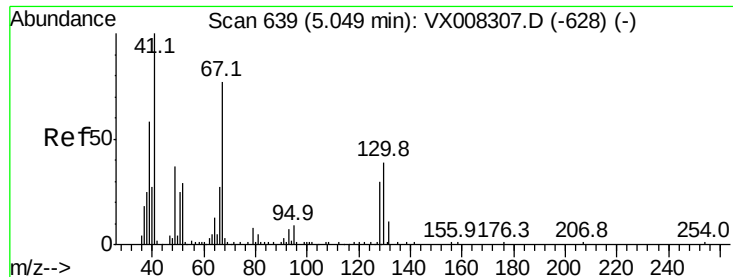
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#34
Benzene
Concen: 99.161 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7
51	14.9	10.8	16.2





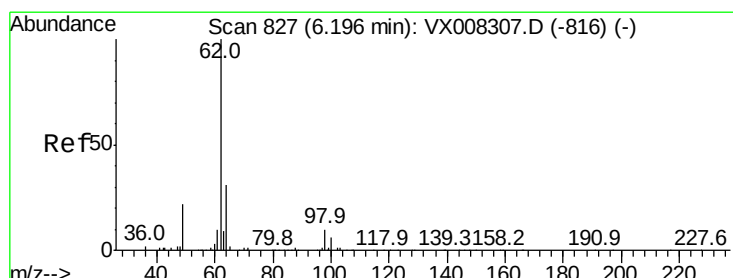
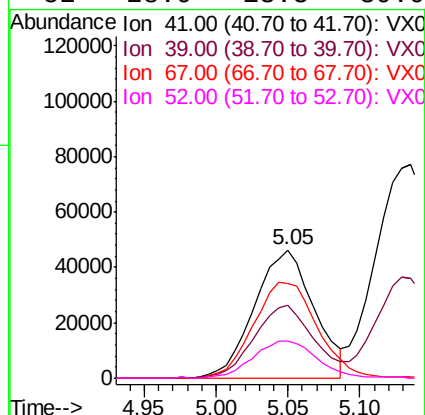
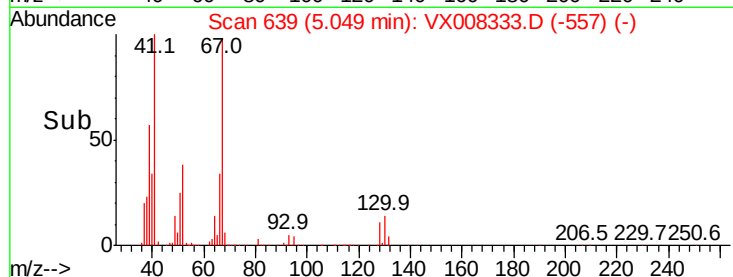
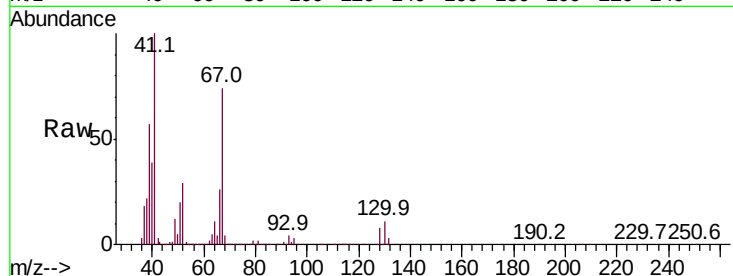
#35
Methacrylonitrile
Concen: 99.852 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.5	27.4	82.0	
67	74.1	37.9	113.6	
52	28.9	13.3	39.9	

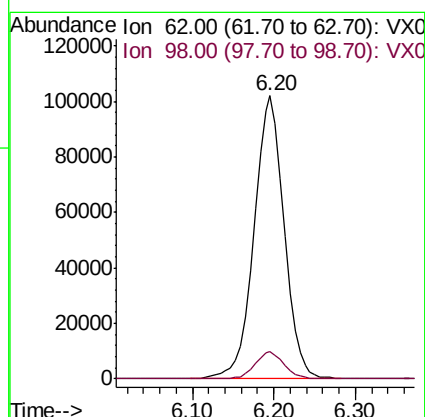
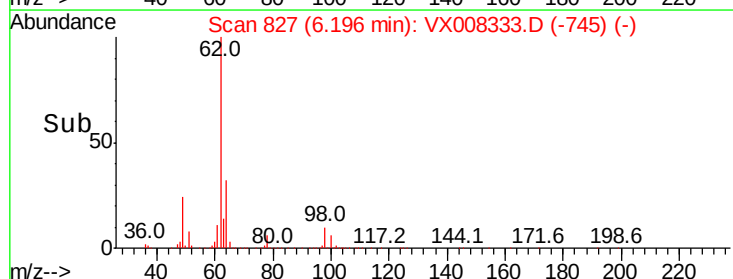
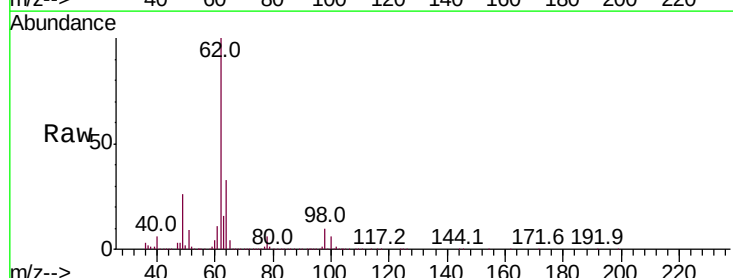
Manual Integrations
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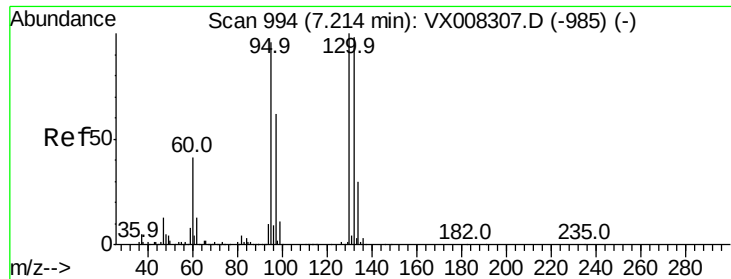
MMDadoda
3/23/2019 9:33:46 AM



#36
1,2-Dichloroethane
Concen: 96.853 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	7.8	11.8	





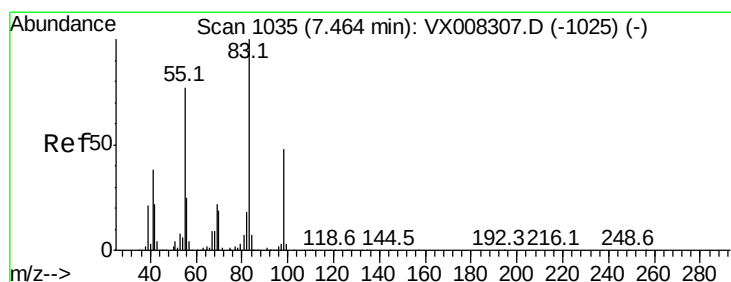
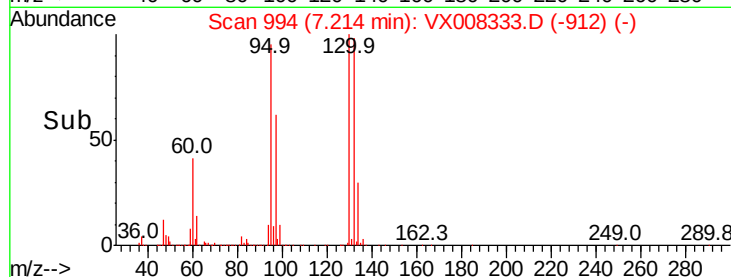
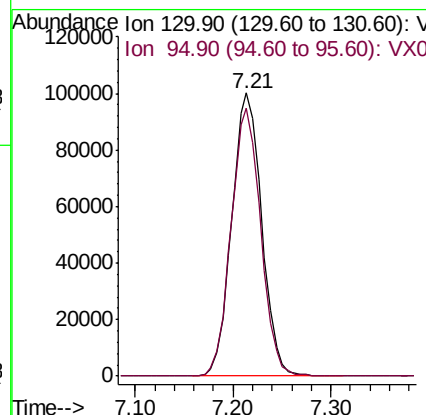
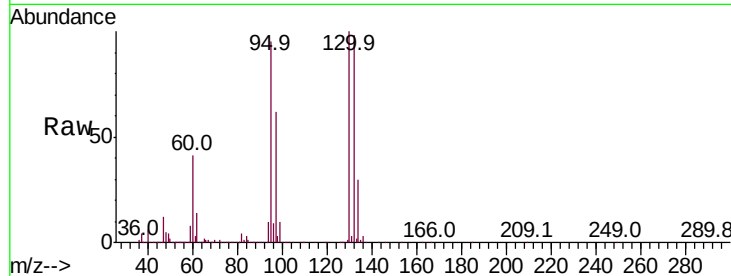
#37
 Trichloroethene
 Concen: 98.342 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
130	100	211653		
95	94.7	71.3	106.9	

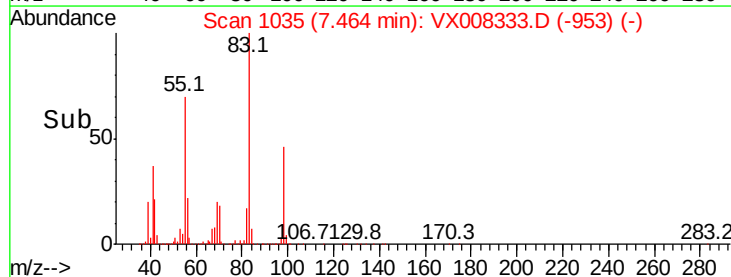
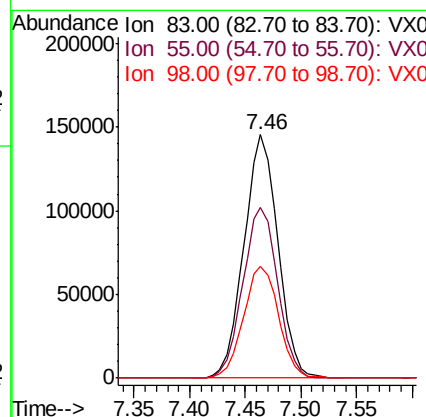
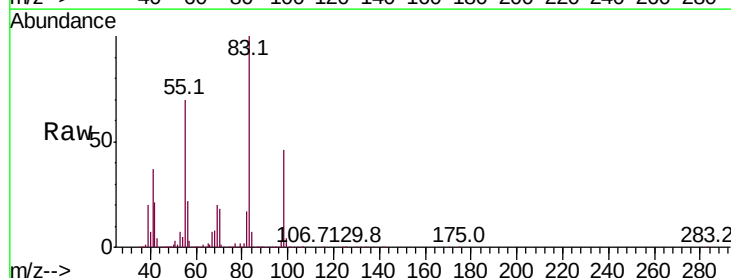
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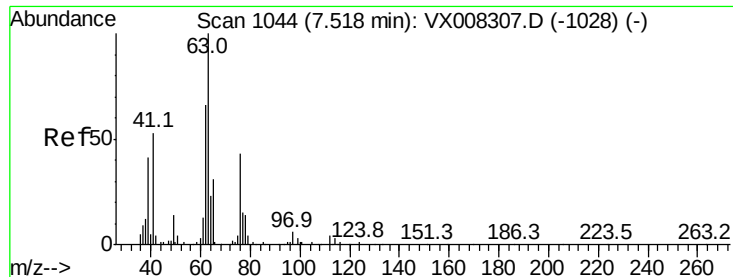
MMDadoda
 3/23/2019 9:33:46 AM



#38
 Methylcyclohexane
 Concen: 100.016 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	308033		
55	71.8	36.0	108.0	
98	47.7	23.8	71.4	





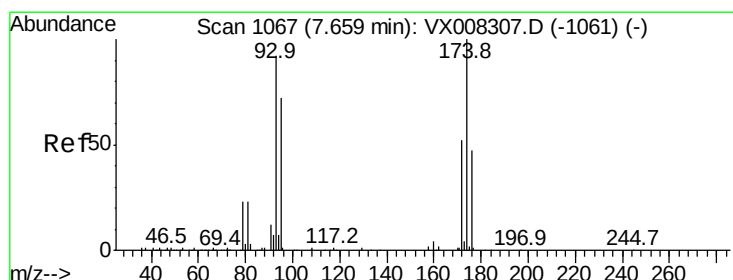
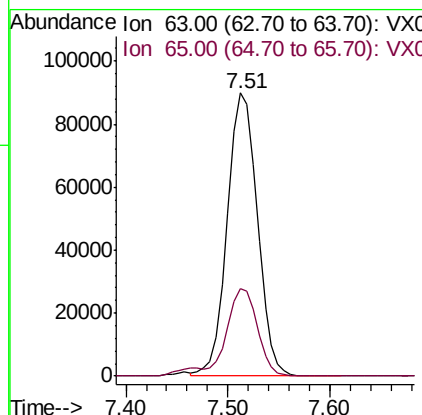
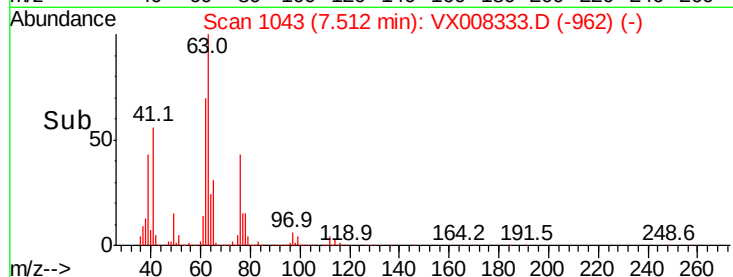
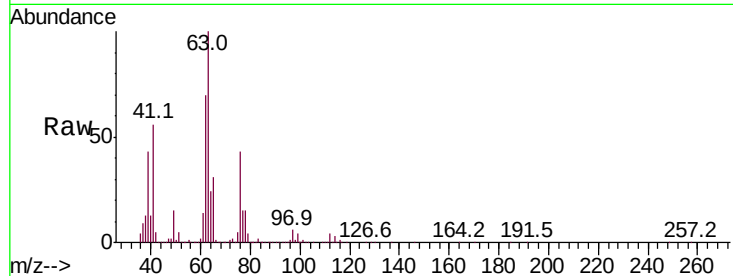
#39
 1,2-Dichloropropane
 Concen: 98.706 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.6	37.0

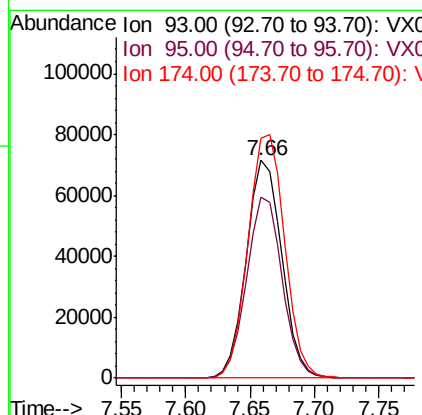
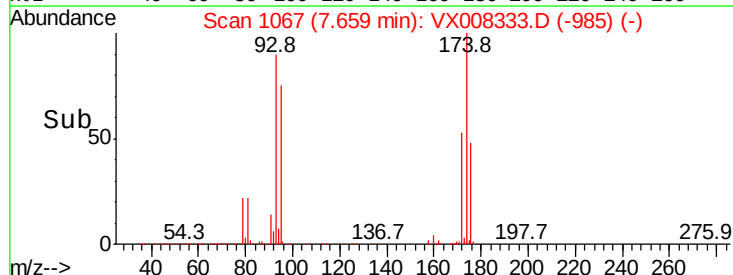
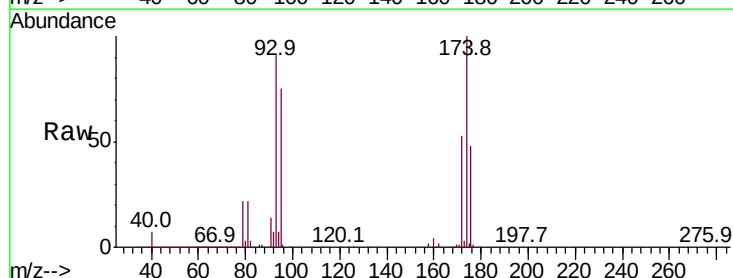
Manual Integrations
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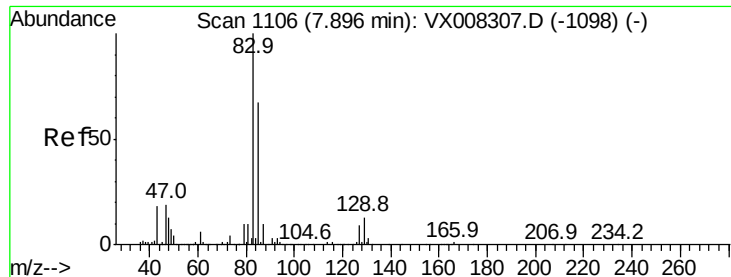
MMDadoda
 3/23/2019 9:33:46 AM



#40
 Dibromomethane
 Concen: 100.228 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	0.0	158.8
174	115.2	0.0	224.2





#41

Bromodichloromethane

Concen: 100.959 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Instrument :

MSVOA_X

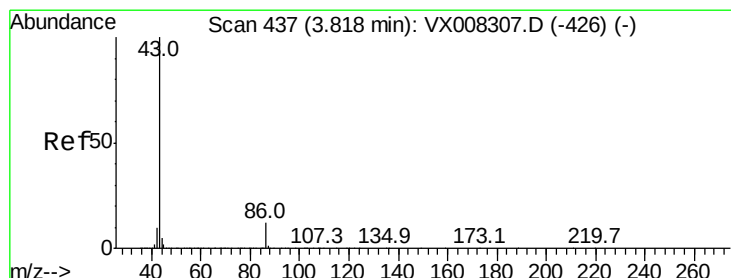
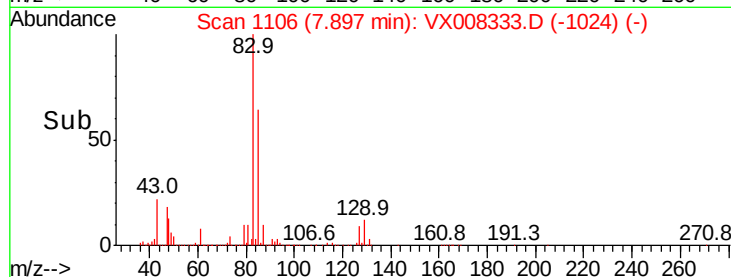
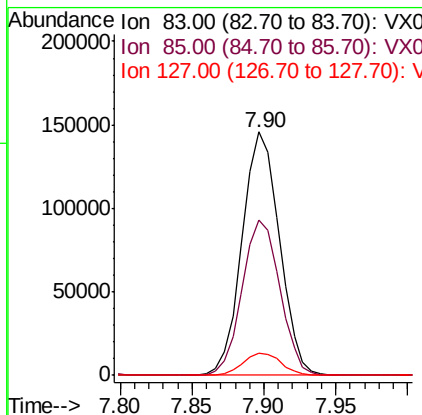
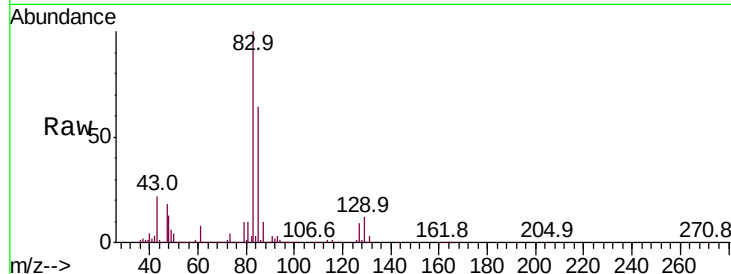
ClientSampleId :

VSTDICC100

Tot Ion:	83	Resp:	261703
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.1	76.7
127	9.1	7.2	10.8

Manual Integrations
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MMDadoda
3/23/2019 9:33:46 AM



#42

Vinyl Acetate

Concen: 506.554 ug/l

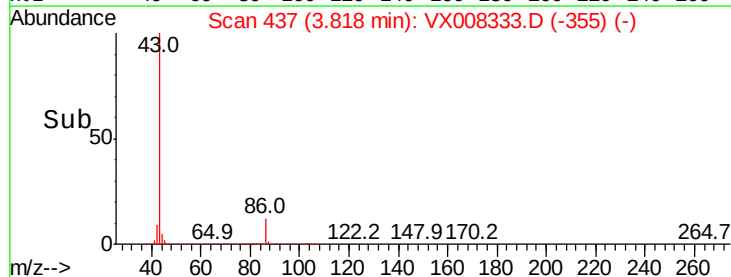
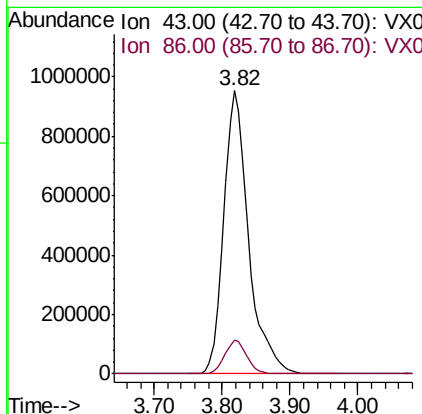
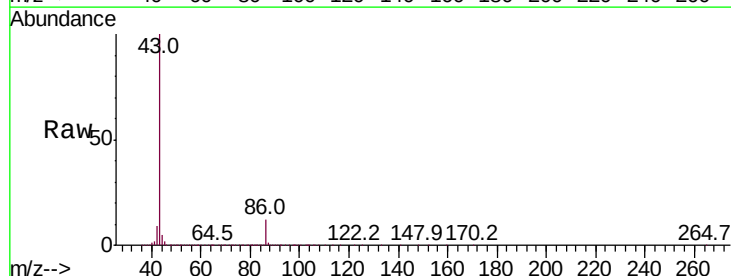
RT: 3.82 min Scan# 437

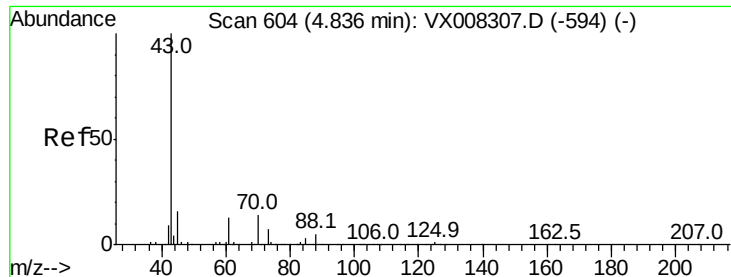
Delta R.T. 0.00 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Tgt Ion:	43	Resp:	2409880
Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.2	12.2





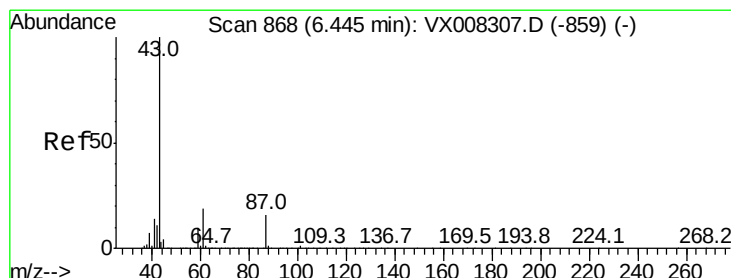
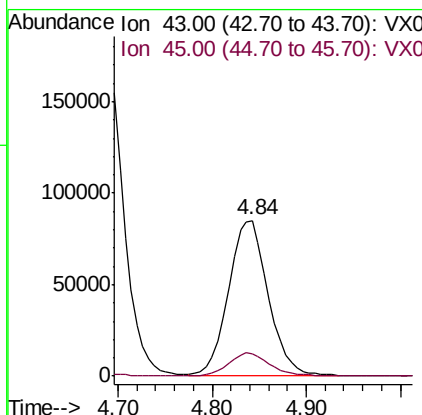
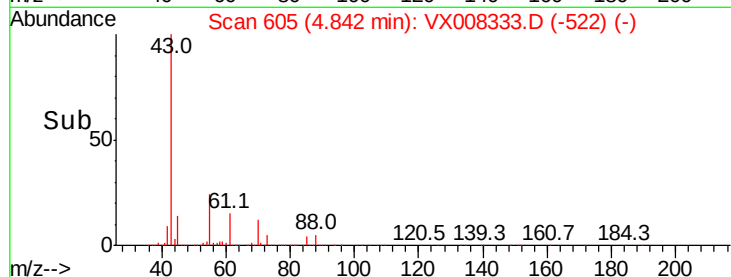
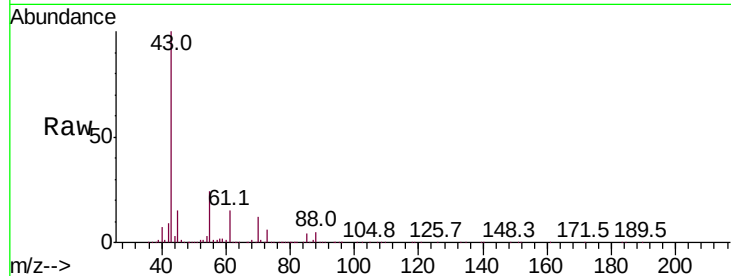
#43
Ethyl Acetate
Concen: 99.691 ug/l
RT: 4.84 min Scan# 605
Delta R.T. 0.01 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 249213
Ion Ratio Lower Upper
43 100
45 15.3 6.9 10.3#

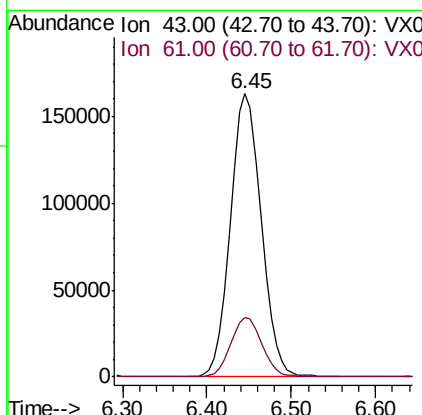
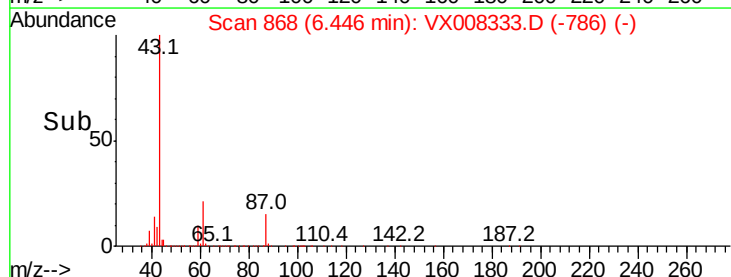
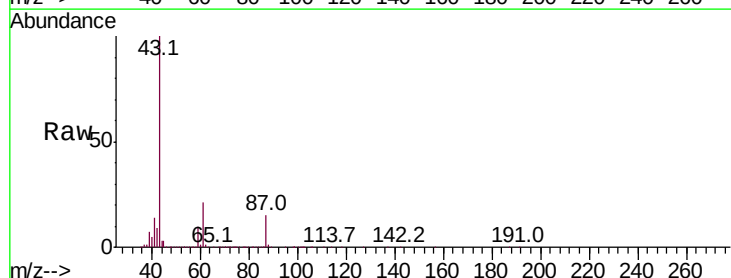
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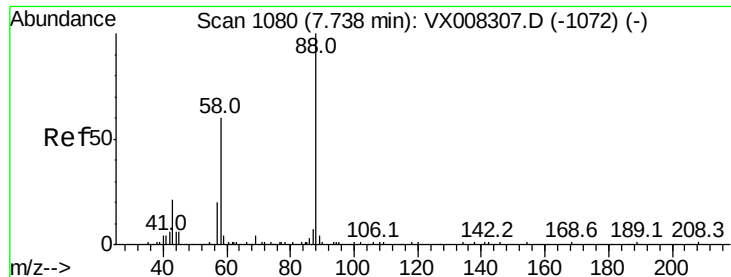
MMDadoda
3/23/2019 9:33:46 AM



#44
Isopropyl Acetate
Concen: 102.343 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Tgt Ion: 43 Resp: 402405
Ion Ratio Lower Upper
43 100
61 21.2 16.1 24.1





#45

1,4-Dioxane

Concen: 1909.552 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Instrument :

MSVOA_X

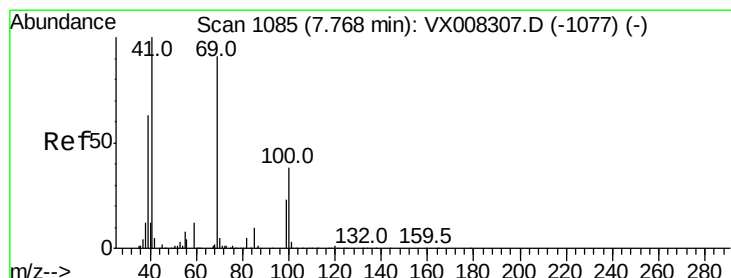
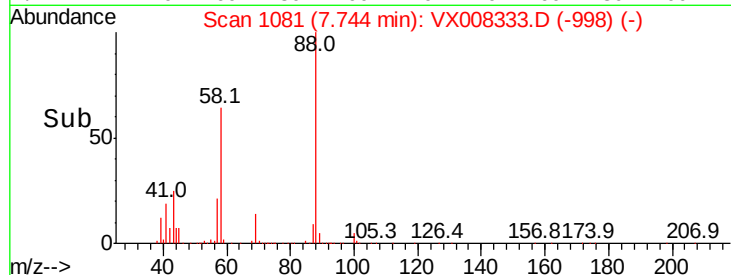
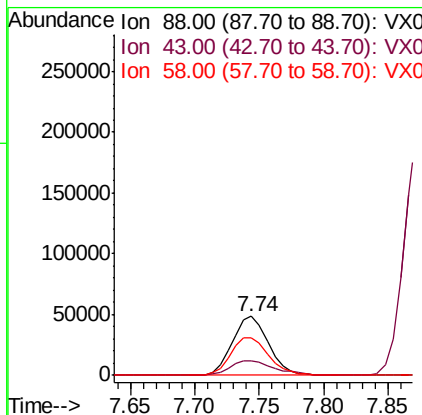
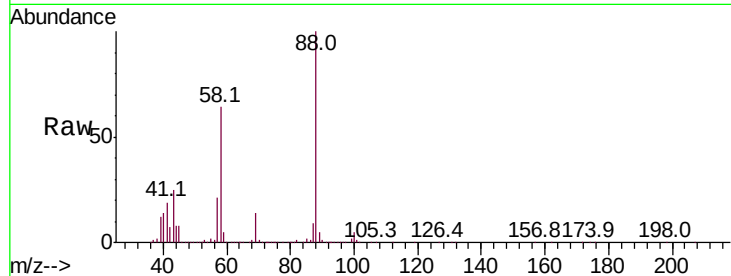
ClientSampleId :

VSTDIC100

Tot Ion:	88	Resp:	94436
Ion Ratio	Lower	Upper	
88	100		
43	29.7	23.6	35.4
58	67.5	51.6	77.4

Manual Integrations
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3/23/2019 9:33:46 AM



#46

Methyl methacrylate

Concen: 102.013 ug/l

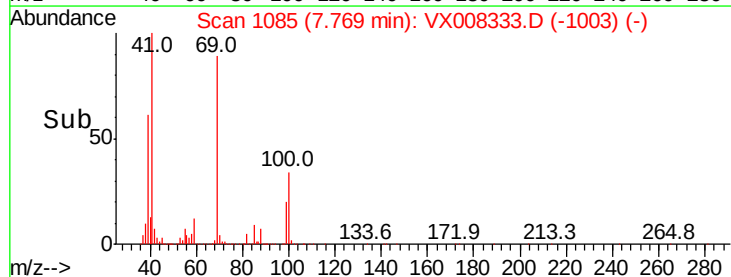
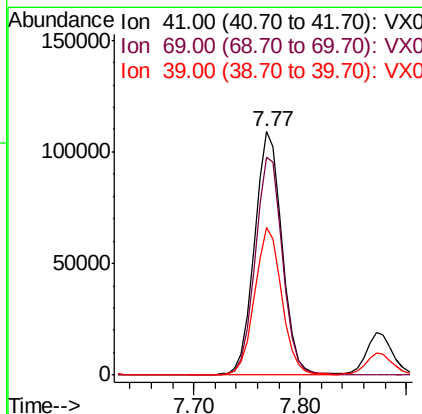
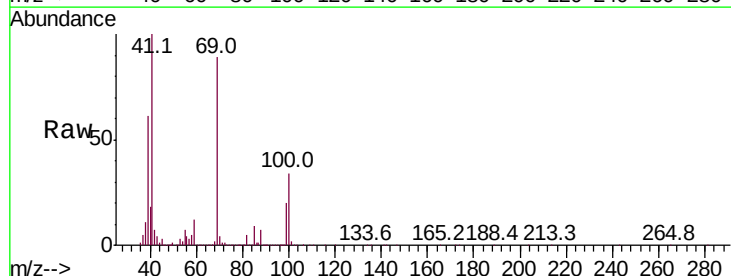
RT: 7.77 min Scan# 1085

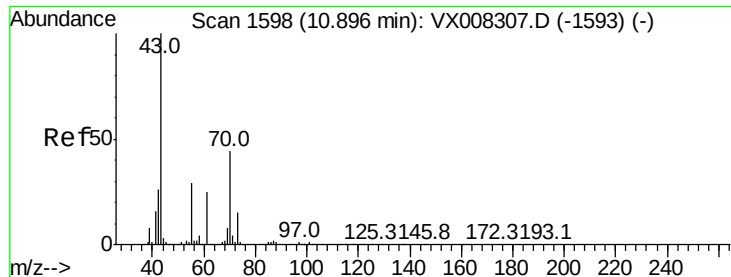
Delta R.T. 0.00 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Tgt Ion:	41	Resp:	196814
Ion Ratio	Lower	Upper	
41	100		
69	89.5	44.2	132.6
39	60.6	29.9	89.8





#47

n-amvl Acetate

Concen: 103.309 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 348260

Ion Ratio Lower Upper

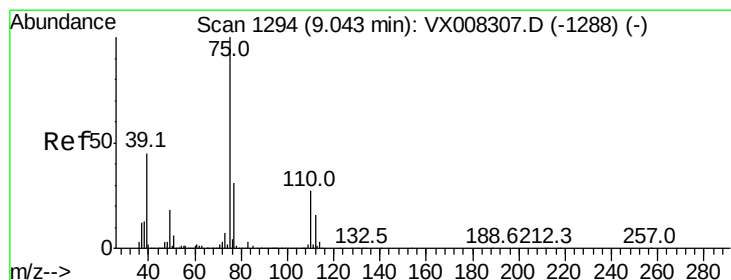
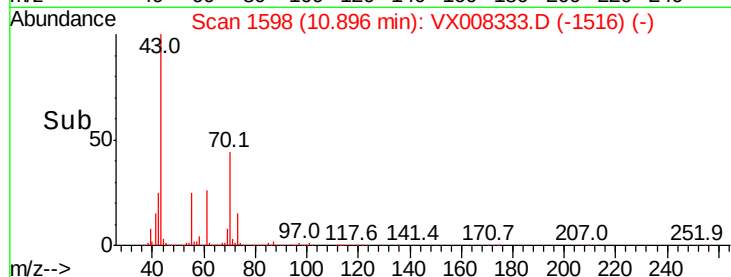
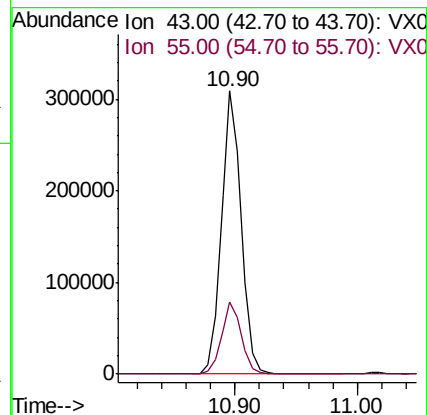
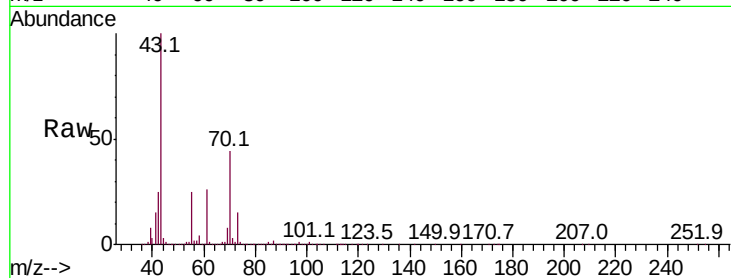
43 100

55 25.1 20.8 31.2

Manual Integrations
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#48

t-1,3-Dichloropropene

Concen: 106.706 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008333.D

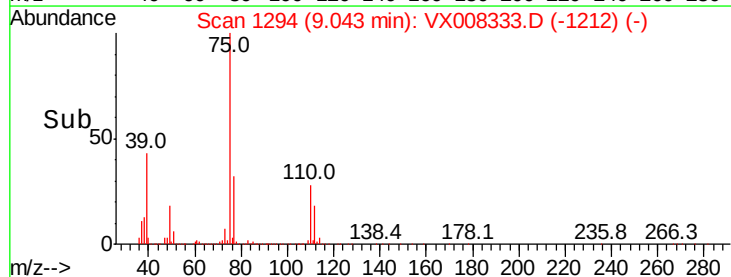
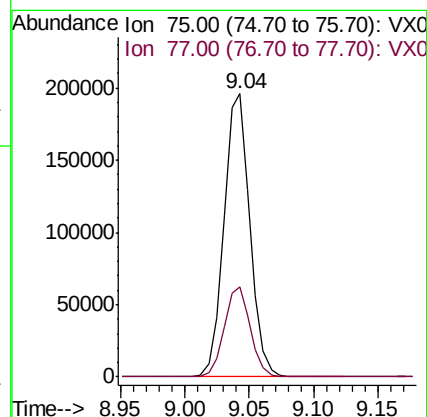
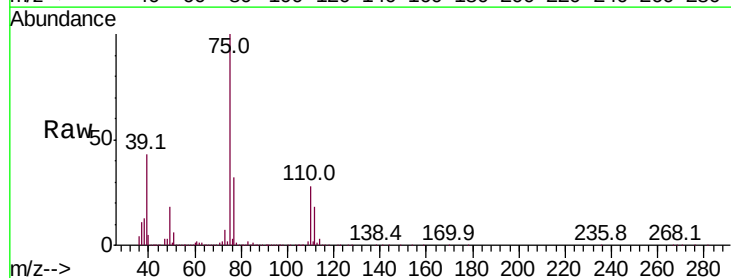
Acq: 22 Mar 2019 12:13

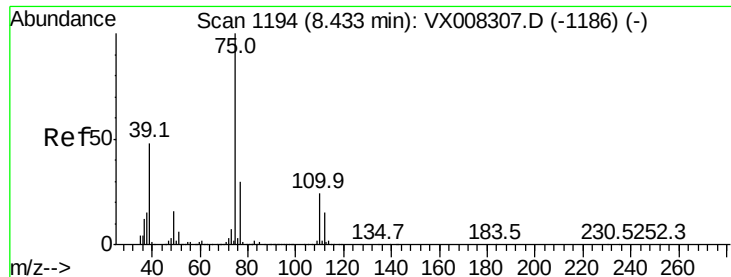
Tgt Ion: 75 Resp: 276936

Ion Ratio Lower Upper

75 100

77 31.8 24.5 36.7





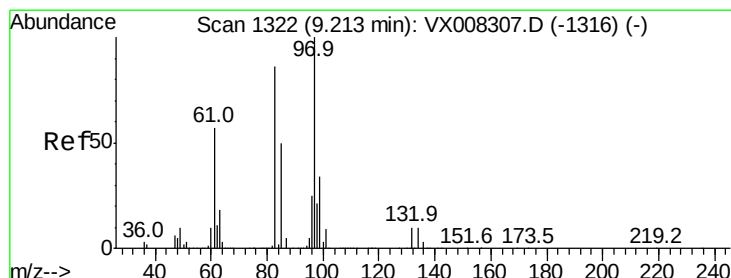
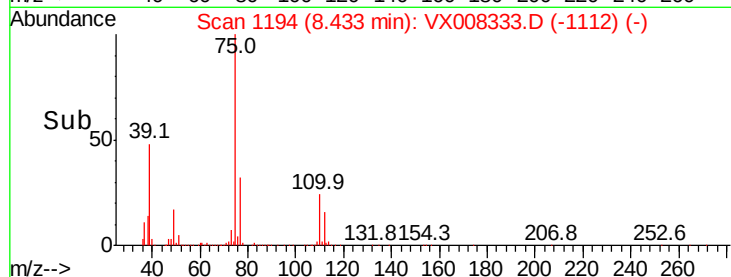
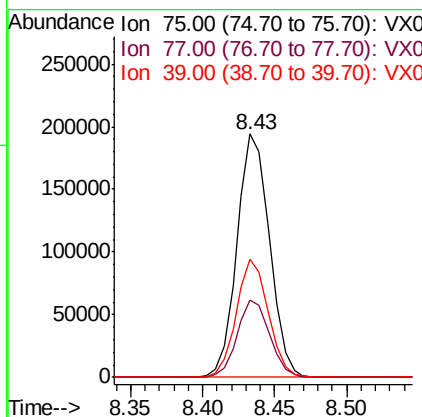
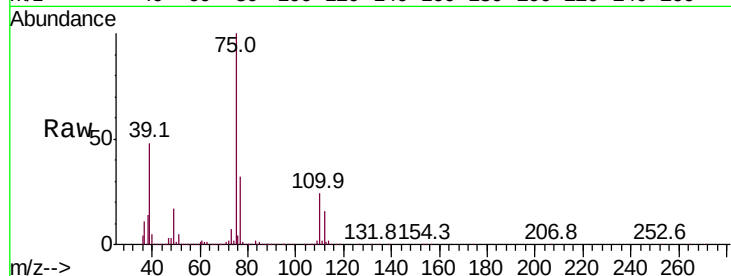
#49
 cis-1,3-Dichloropropene
 Concen: 105.504 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.4
39	48.2	38.5	57.7

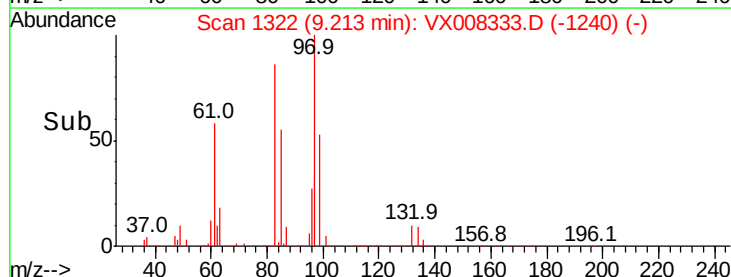
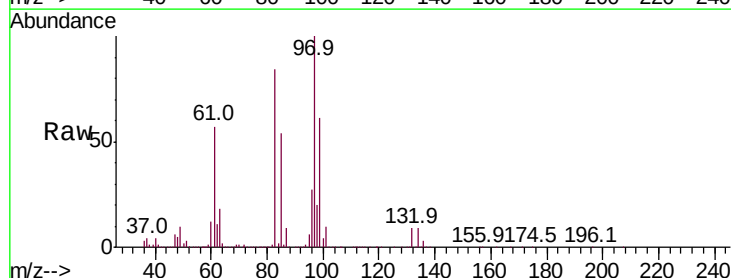
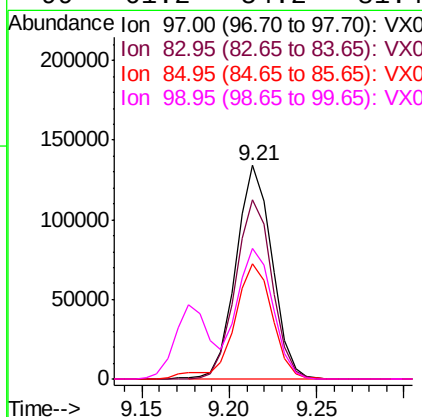
Manual Integrations
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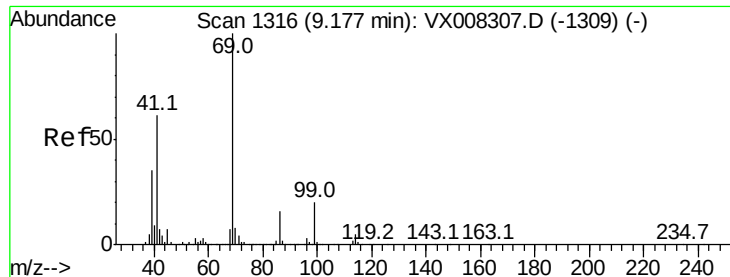
MMDadoda
 3/23/2019 9:33:46 AM



#50
 1,1,2-Trichloroethane
 Concen: 98.190 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.0	72.0	108.0
85	53.9	45.0	67.6
99	61.2	54.2	81.4





#51

Ethyl methacrylate

Concen: 103.231 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Instrument :

MSVOA_X

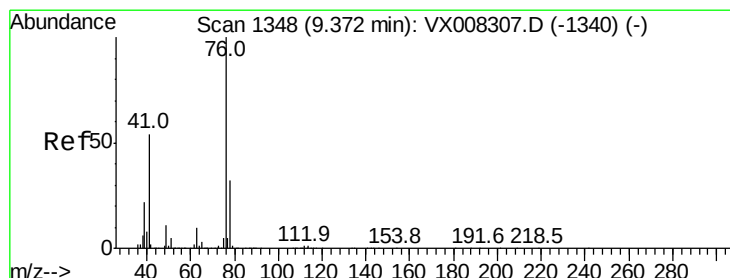
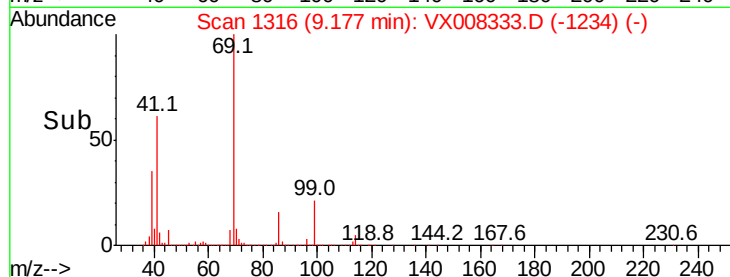
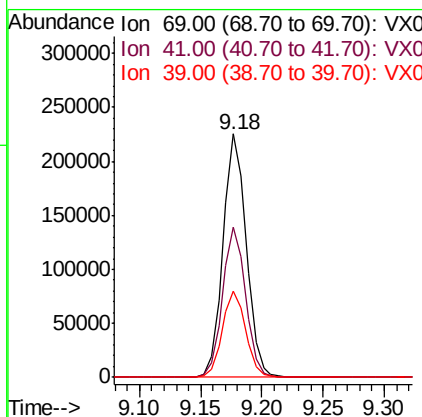
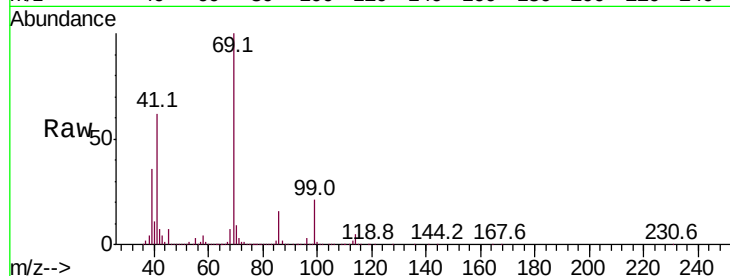
ClientSampleId :

VSTDIC100

Tot Ion:	69	Resp:	295771
Ion Ratio	Lower	Upper	
69	100		
41	61.8	32.1	96.5
39	35.5	18.8	56.3

Manual Integrations
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MMDadoda
3/23/2019 9:33:46 AM



#52

1,3-Dichloropropane

Concen: 97.906 ug/l

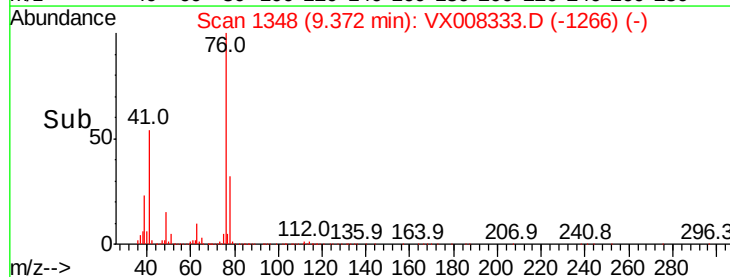
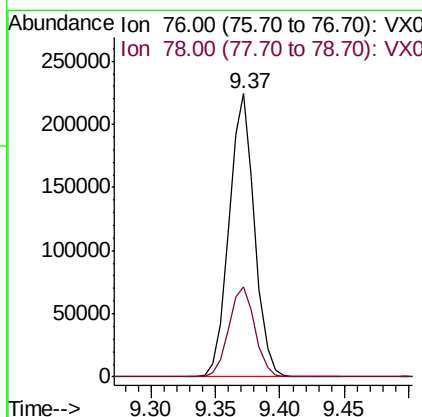
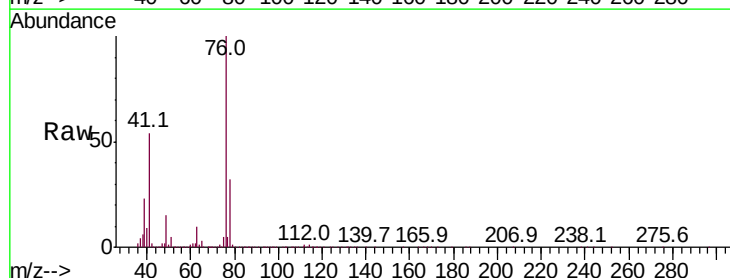
RT: 9.37 min Scan# 1348

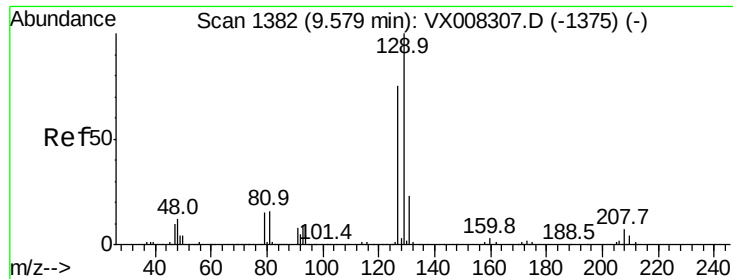
Delta R.T. 0.00 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Tgt Ion:	76	Resp:	308151
Ion Ratio	Lower	Upper	
76	100		
78	32.7	0.0	65.2





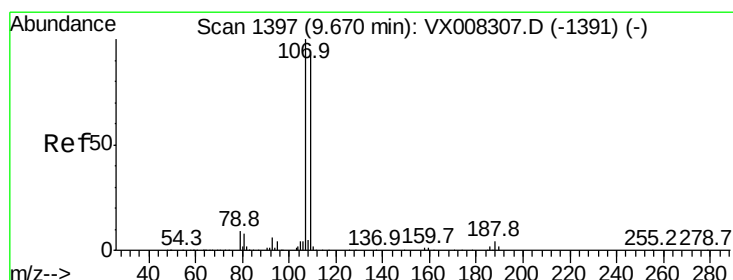
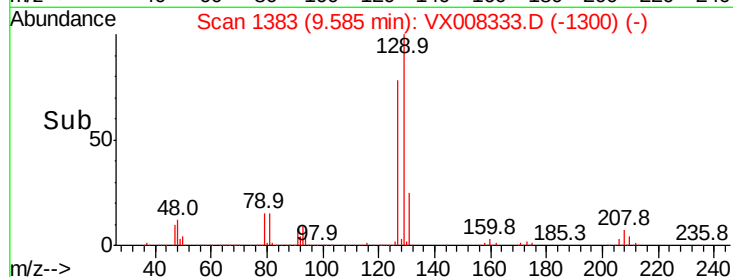
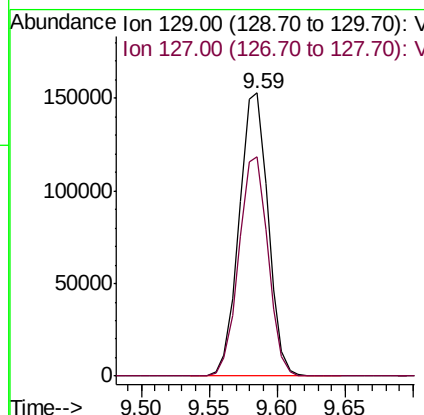
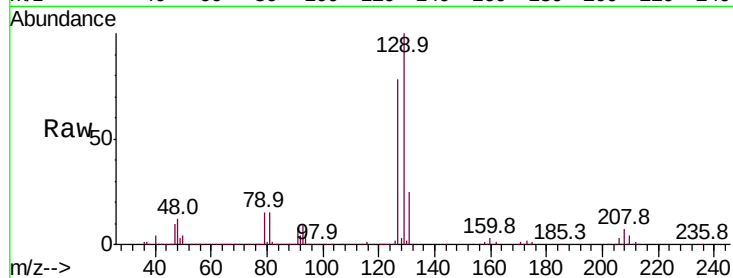
#53
Dibromochloromethane
Concen: 102.674 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.2

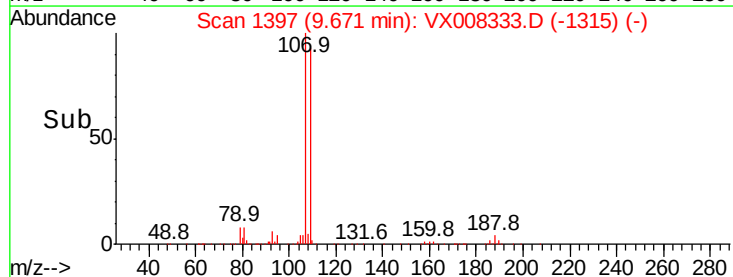
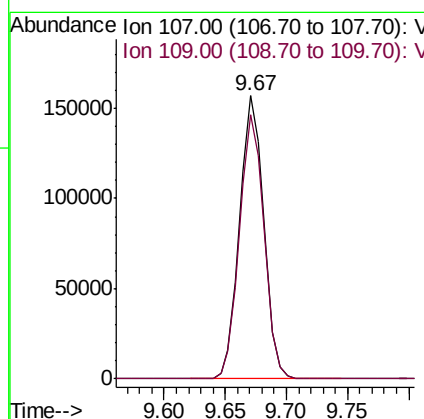
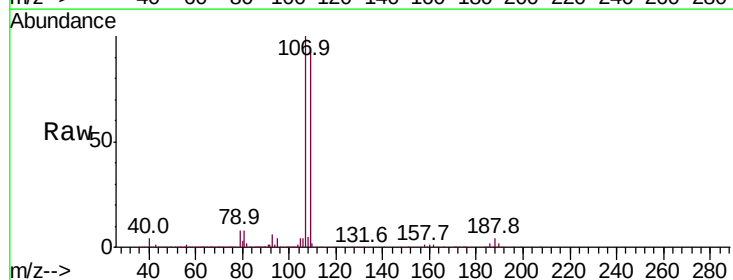
Manual Integrations
APPROVED

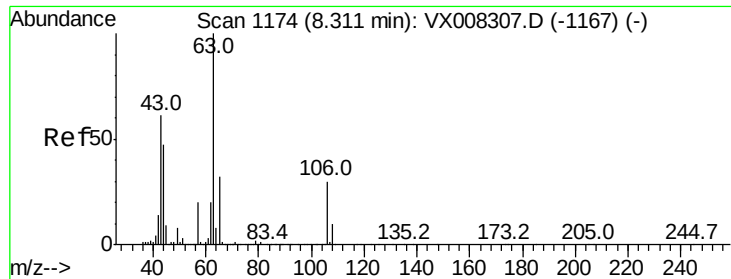
MMDadoda
3/23/2019 9:33:46 AM



#54
1,2-Dibromoethane
Concen: 99.407 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.6	115.0





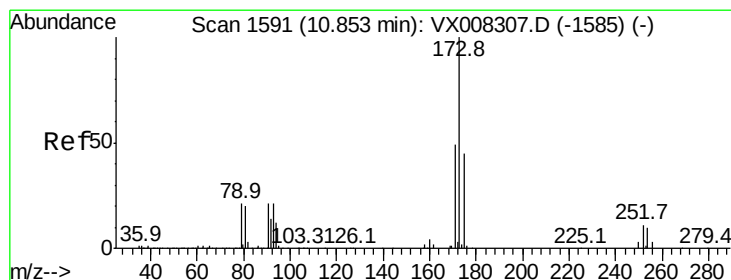
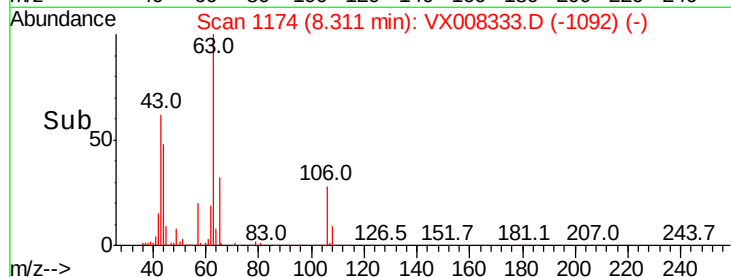
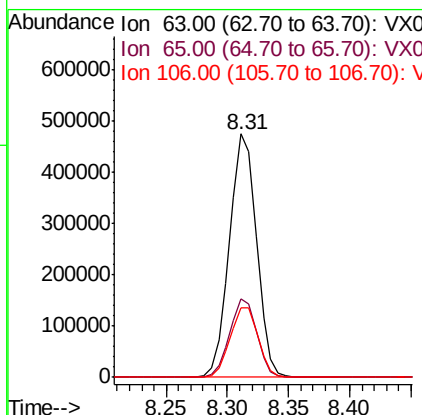
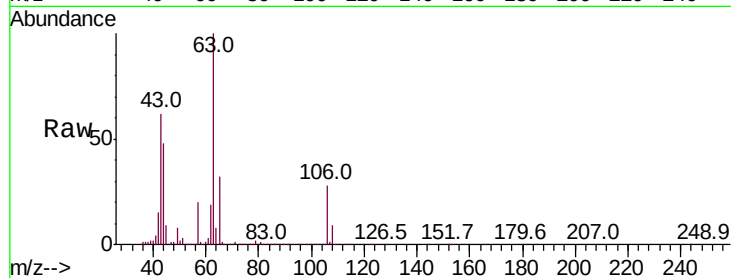
#55
2-Chloroethyl vinyl ether
Concen: 502.240 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.7	38.5
106	29.9	23.7	35.5

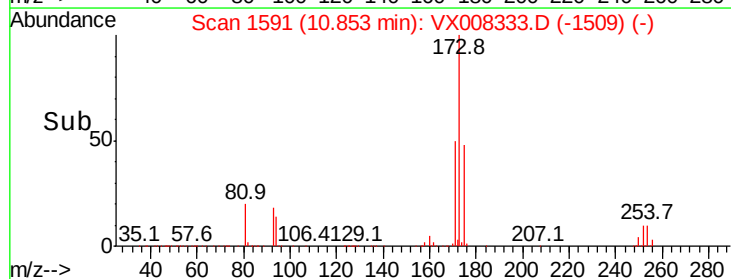
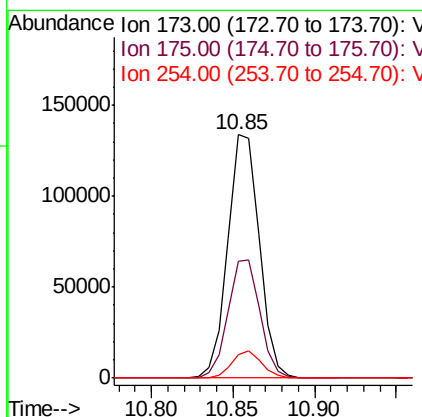
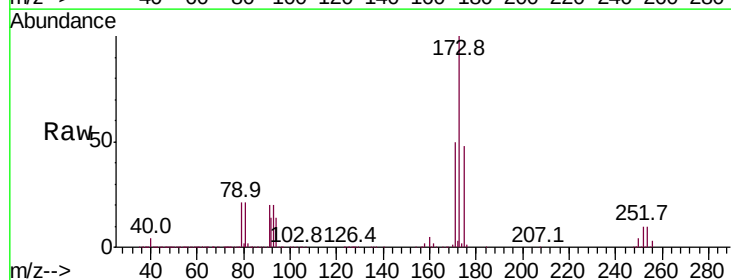
Manual Integrations
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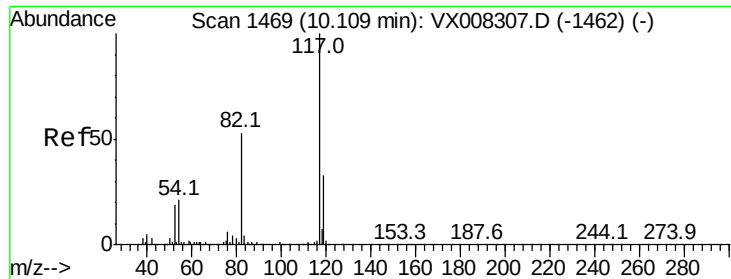
MMDadoda
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#56
Bromoform
Concen: 103.268 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.5	57.7
254	10.7	7.4	11.2





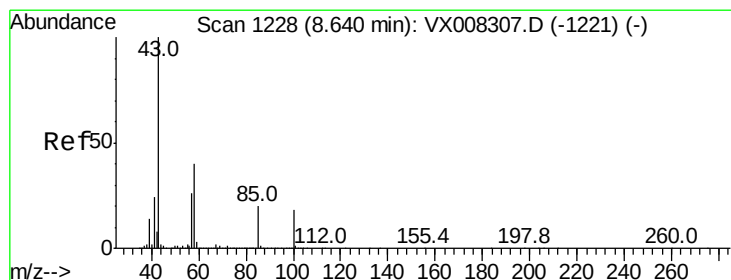
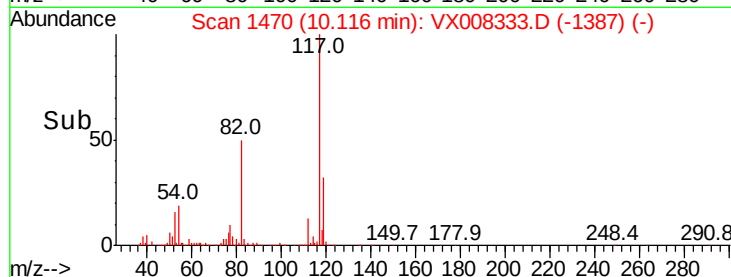
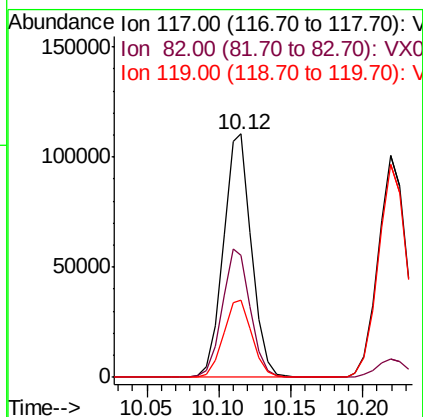
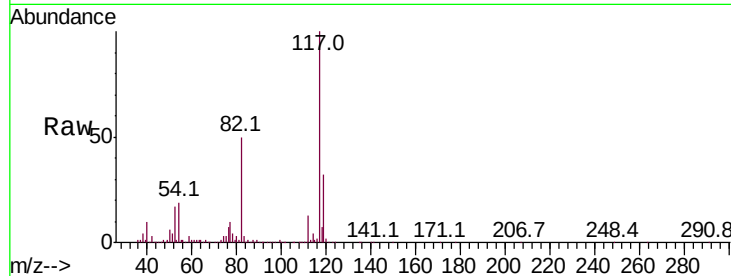
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	52.4	40.4	60.6
119	32.3	25.8	38.6

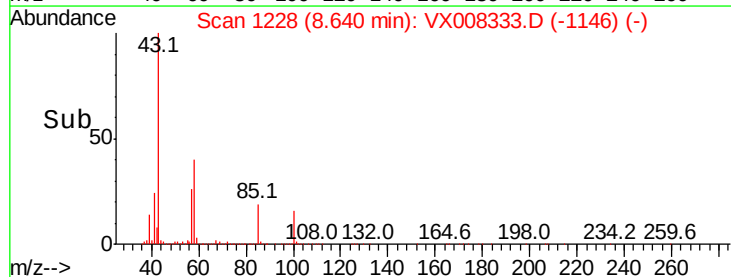
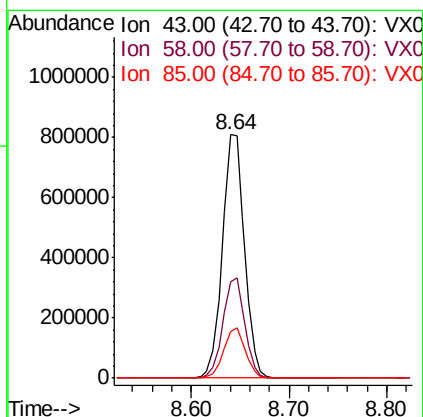
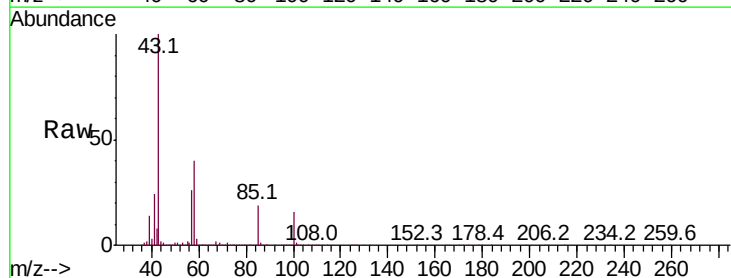
Manual Integrations
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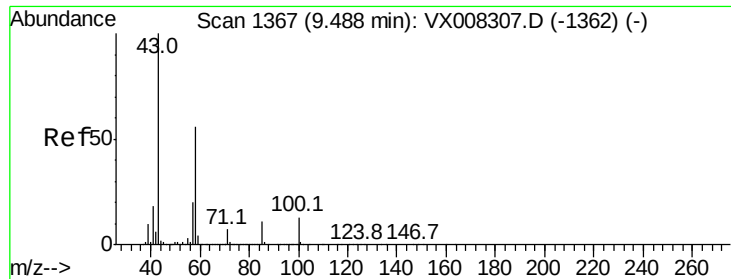
MMDadoda
3/23/2019 9:33:46 AM



#58
4-Methyl-2-Pentanone
Concen: 496.159 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
58	40.9	31.4	47.0
85	20.3	15.0	22.6





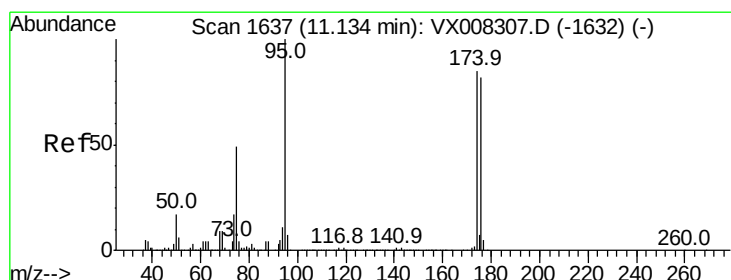
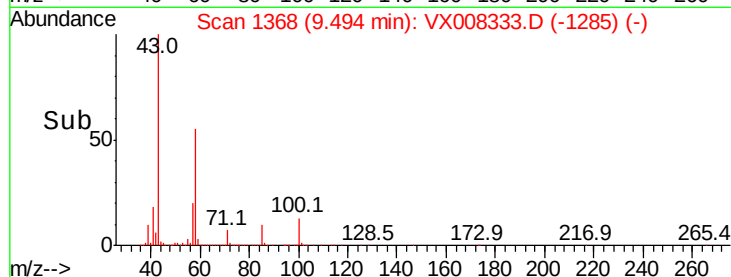
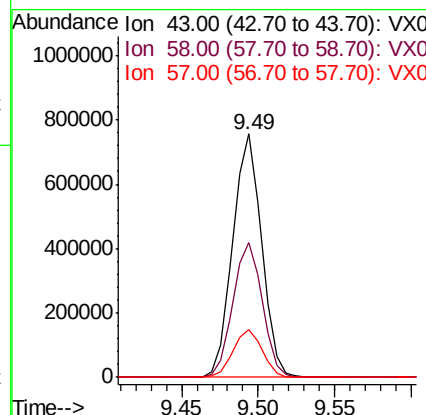
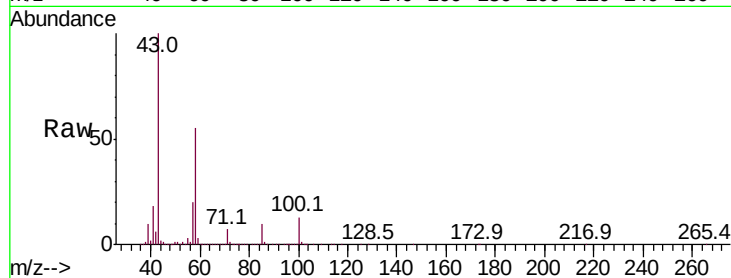
#59
2-Hexanone
Concen: 491.073 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.4	43.9	65.9
57	19.9	14.9	22.3

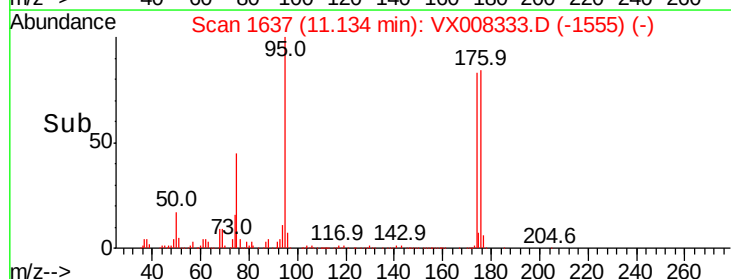
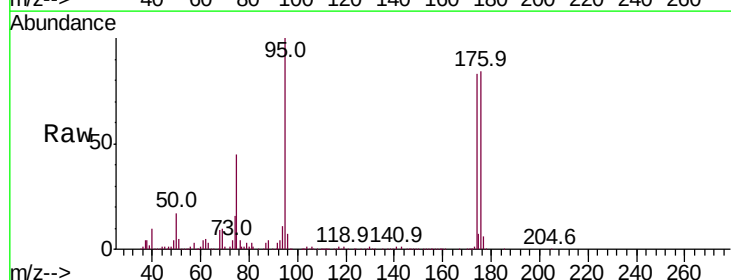
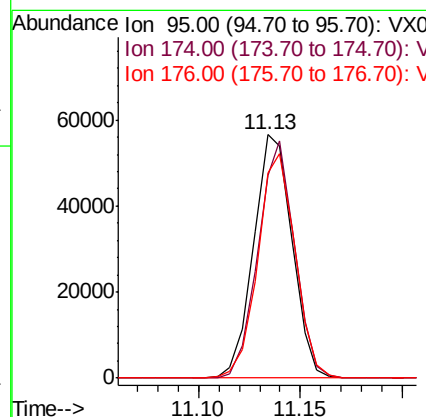
Manual Integrations
APPROVED

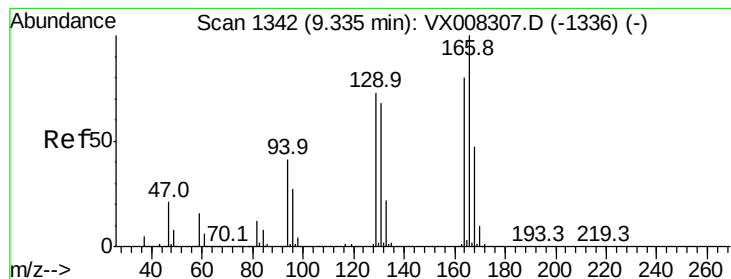
MMDadoda
3/23/2019 9:33:46 AM



#60
4-Bromofluorobenzene
Concen: 30.157 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.2	74.9	112.3
176	89.6	70.7	106.1





#61

Tetrachloroethene

Concen: 96.694 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 197123

Ion Ratio Lower Upper

164 100

166 132.6 103.9 155.9

129 92.7 74.7 112.1

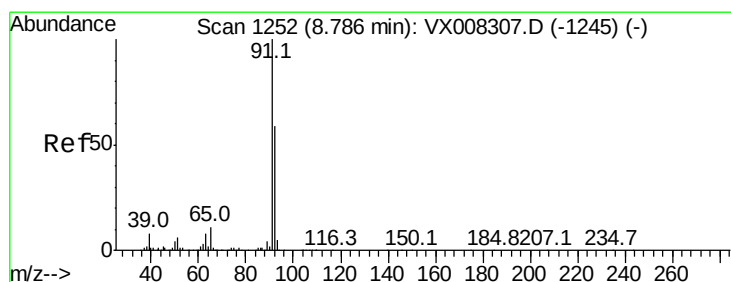
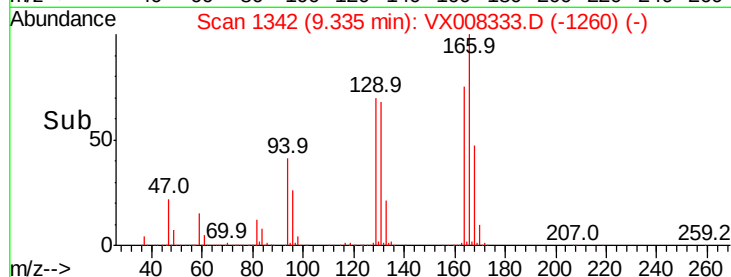
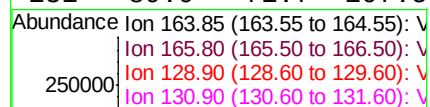
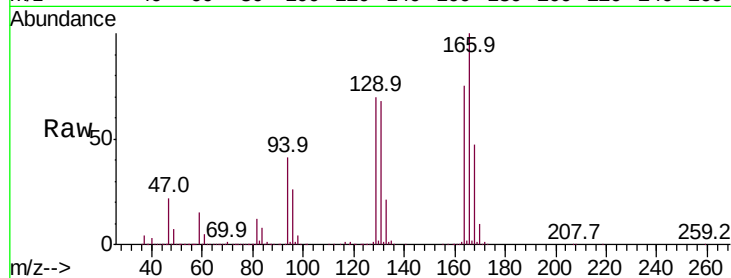
131 89.9 71.7 107.5

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#62

Toluene

Concen: 99.593 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008333.D

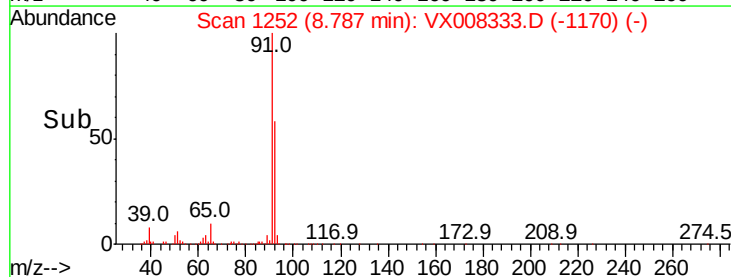
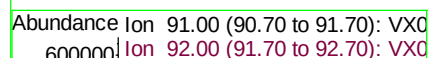
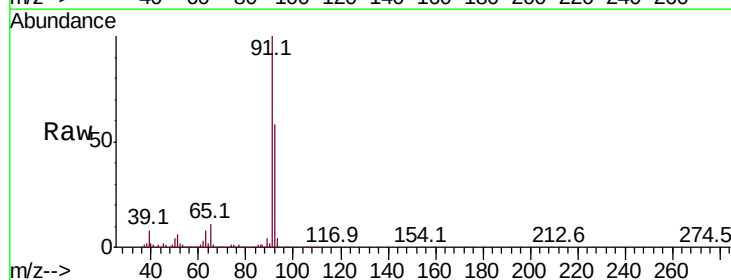
Acq: 22 Mar 2019 12:13

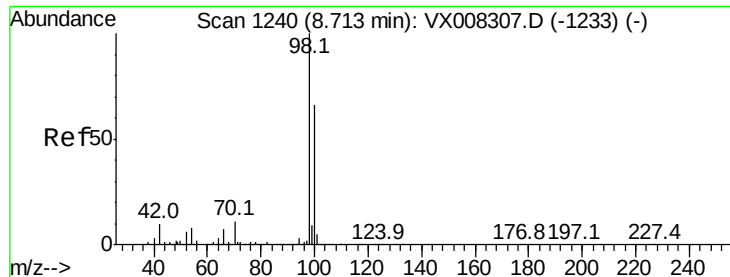
Tgt Ion: 91 Resp: 800602

Ion Ratio Lower Upper

91 100

92 58.5 46.4 69.6





#63

Toluene-d8

Concen: 30.214 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 98 Resp: 206158

Ion Ratio Lower Upper

98 100

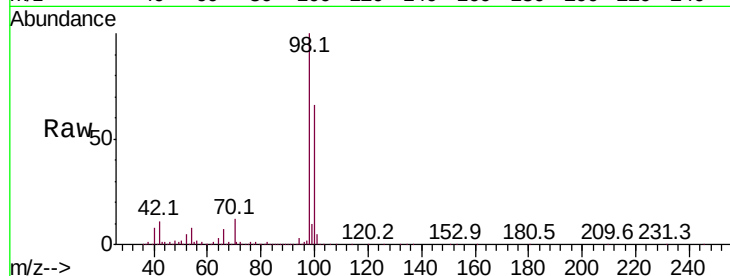
100 65.0 50.9 76.3

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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

150000

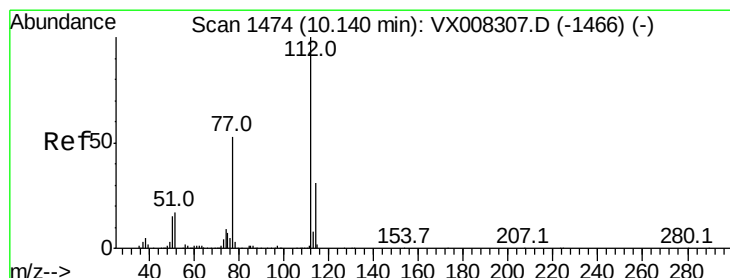
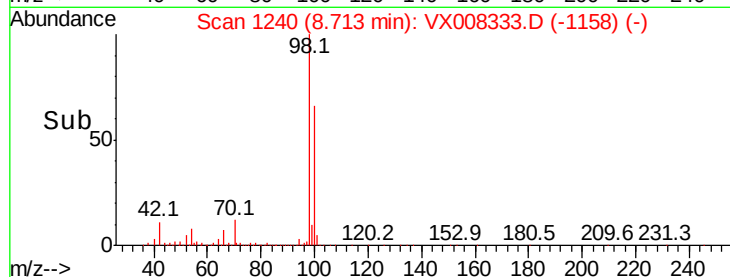
100000

50000

0

8.65 8.70 8.75 8.80

Time-->



#64

Chlorobenzene

Concen: 97.853 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX008333.D

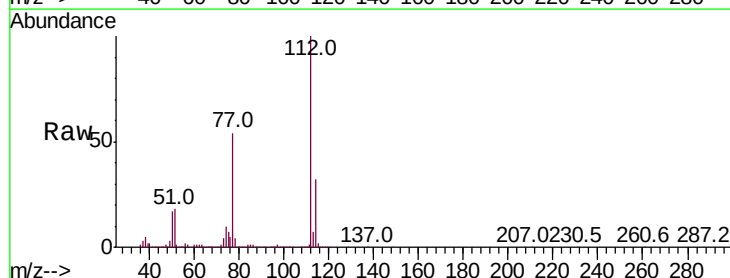
Acq: 22 Mar 2019 12:13

Tgt Ion: 112 Resp: 507121

Ion Ratio Lower Upper

112 100

114 32.3 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

400000

300000

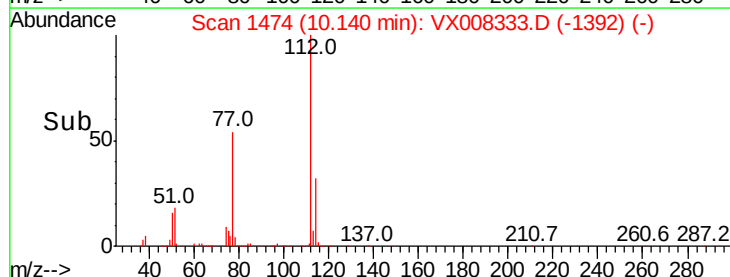
200000

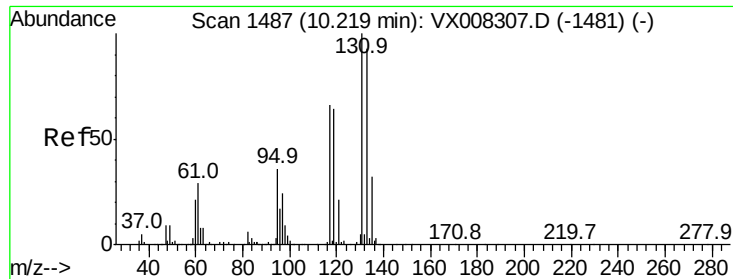
100000

0

10.10 10.14 10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 100.077 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Instrument :

MSVOA_X

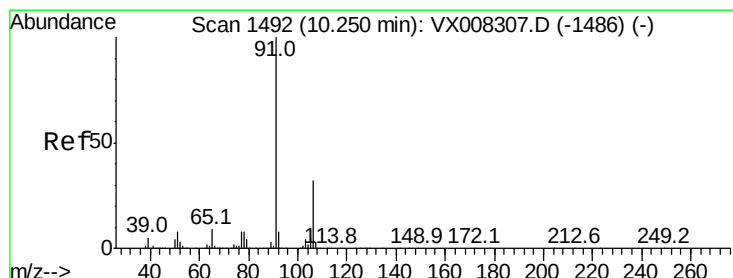
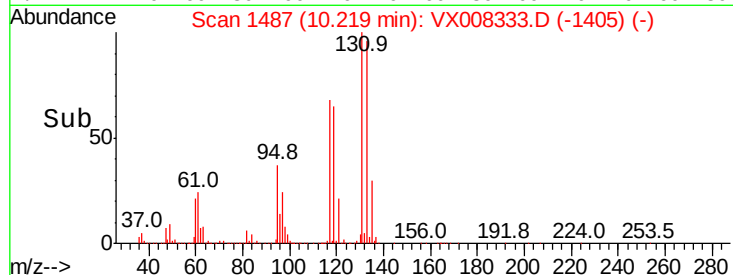
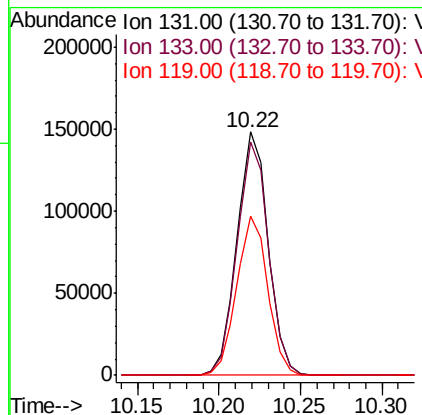
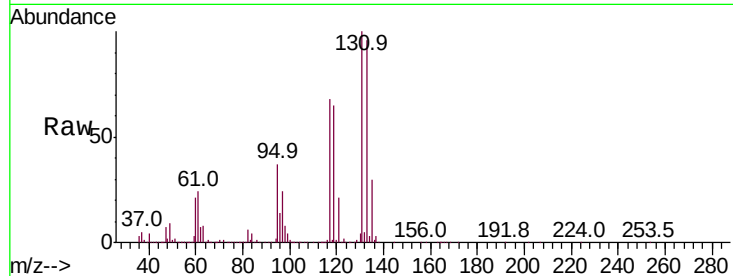
ClientSampleId :

VSTDIC100

Tot Ion:	131	Resp:	198084
Ion Ratio	Lower	Upper	
131	100		
133	96.2	0.0	191.6
119	65.1	0.0	127.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 100.873 ug/l

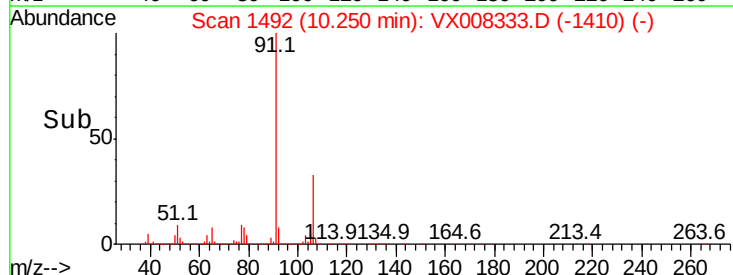
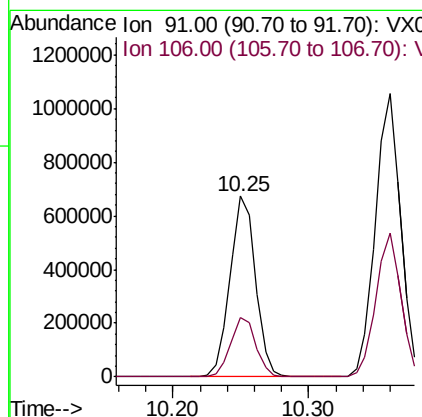
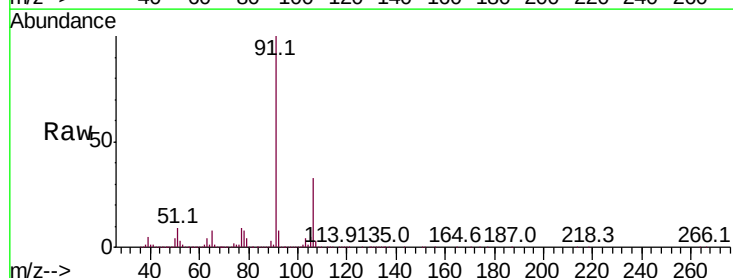
RT: 10.25 min Scan# 1492

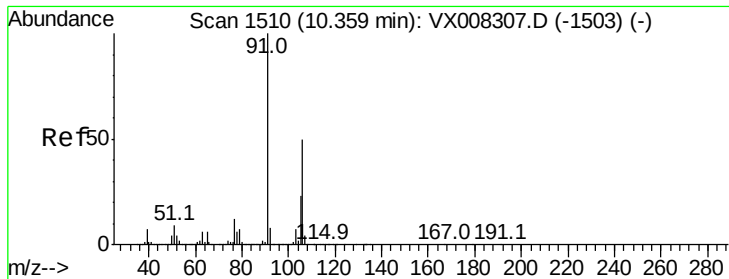
Delta R.T. 0.00 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Tgt Ion:	91	Resp:	876959
Ion Ratio	Lower	Upper	
91	100		
106	32.6	26.0	39.0





#67

m/p-Xylenes

Concen: 199.449 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:106 Resp: 689151

Ion Ratio Lower Upper

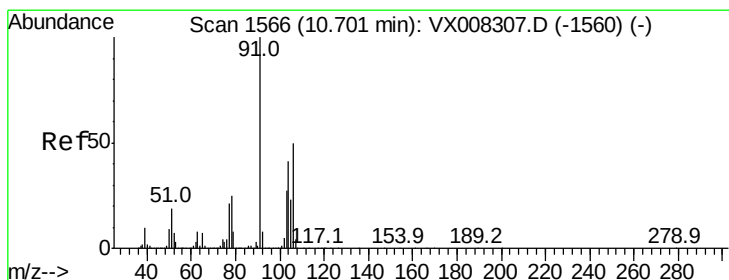
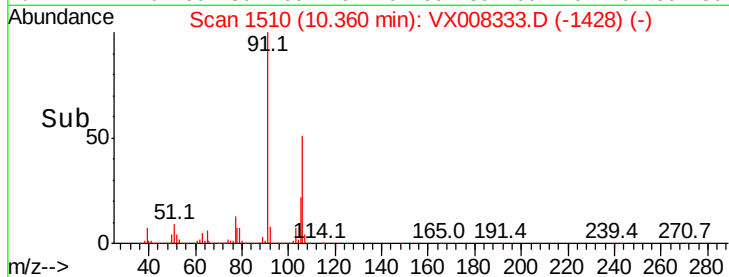
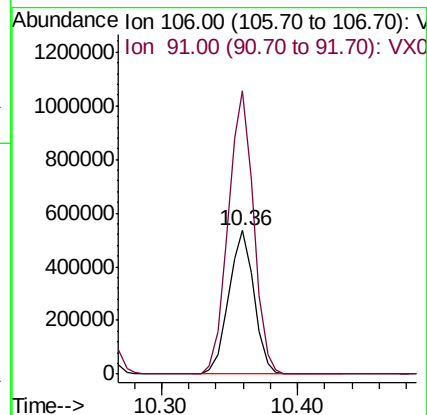
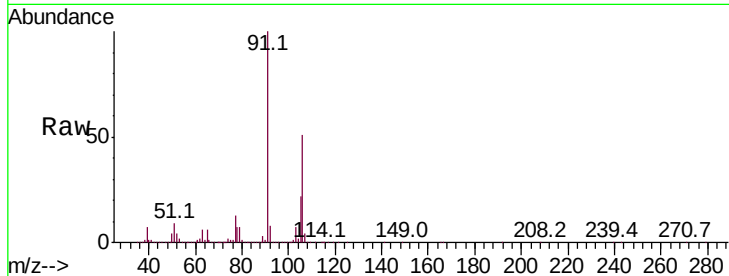
106 100

91 197.4 157.0 235.4

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#68

o-Xylene

Concen: 99.000 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VX008333.D

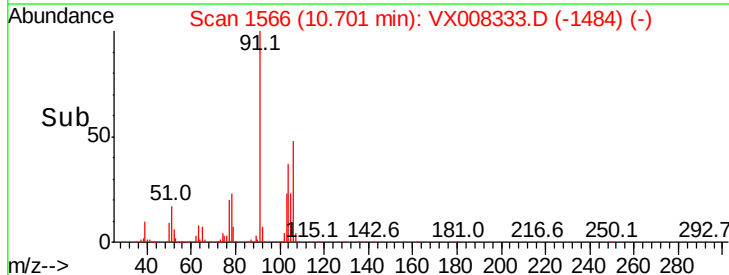
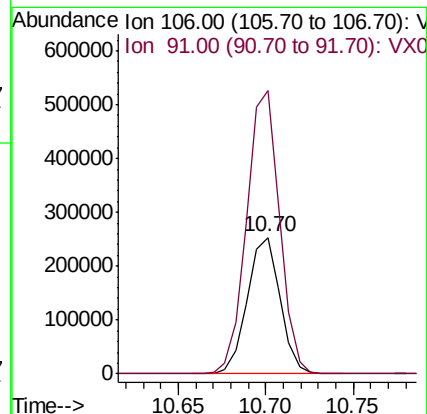
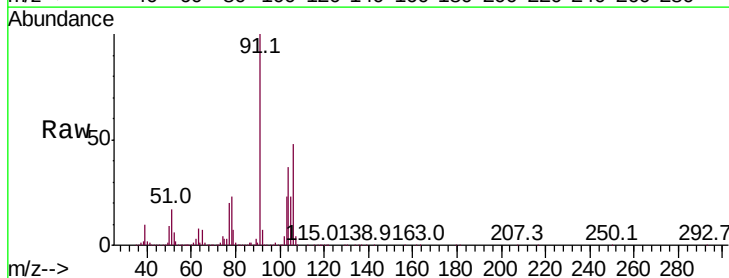
Acq: 22 Mar 2019 12:13

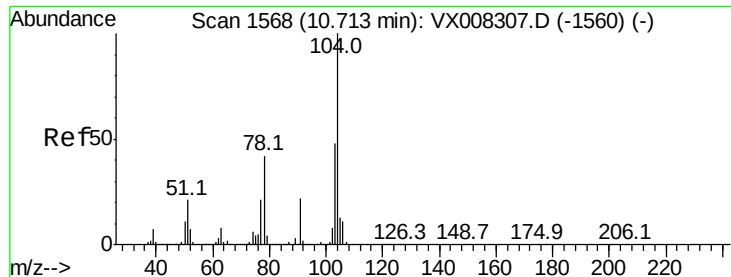
Tgt Ion:106 Resp: 328606

Ion Ratio Lower Upper

106 100

91 209.0 104.4 313.2





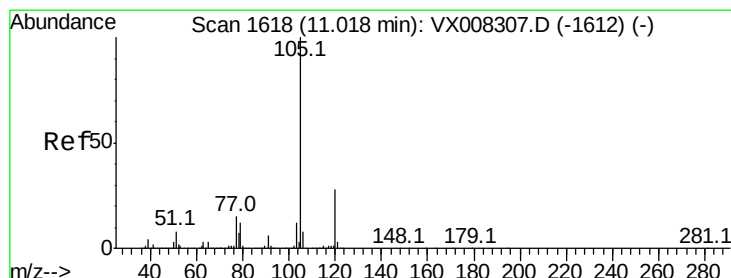
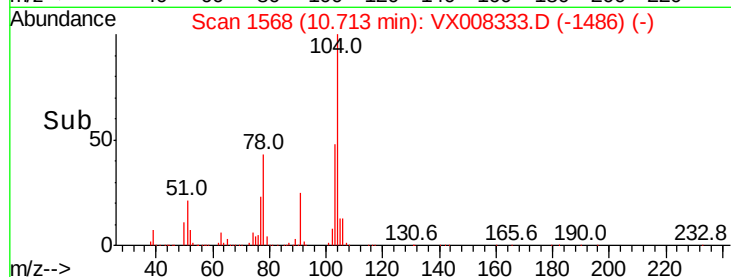
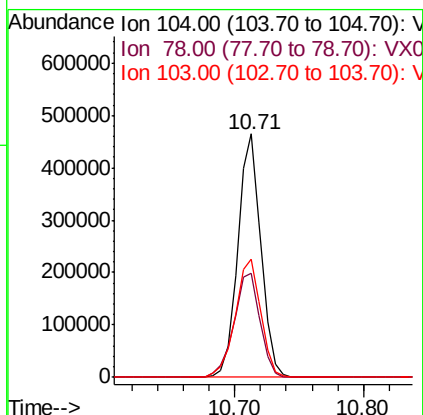
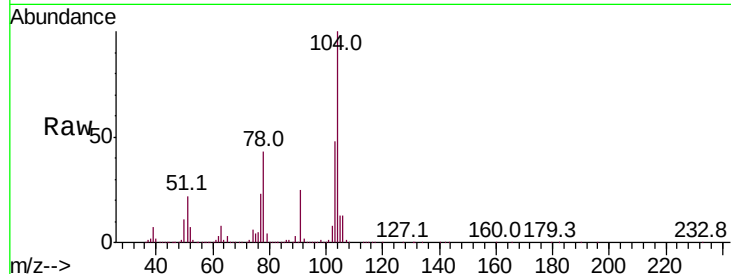
#69
Stvrene
Concen: 102.665 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.9	38.2	57.2
103	53.9	45.0	67.4

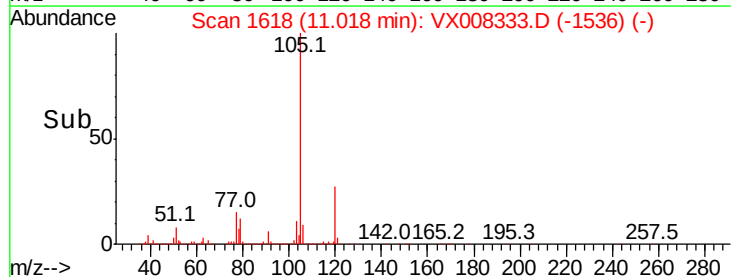
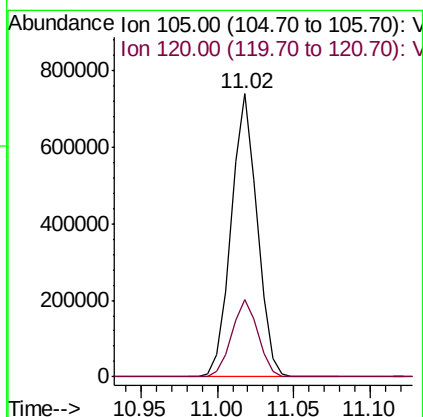
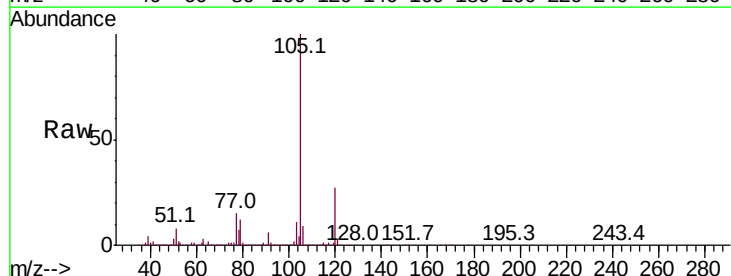
Manual Integrations
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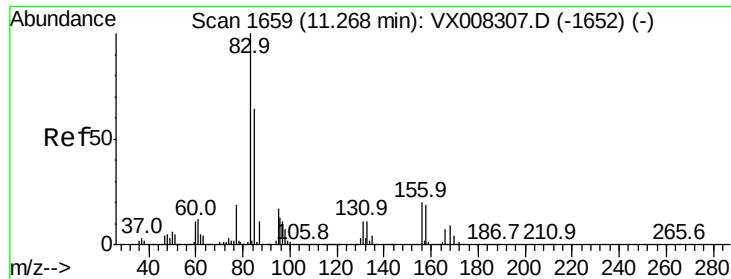
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#70
Isopropylbenzene
Concen: 99.187 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.7	19.8	36.8





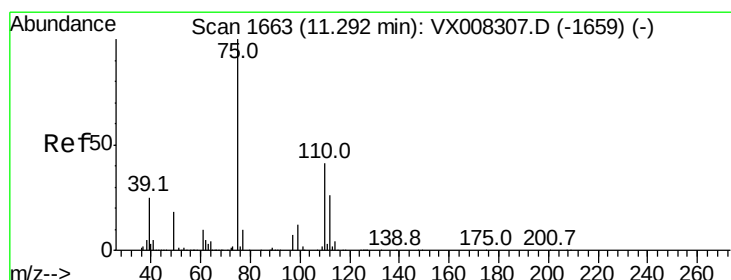
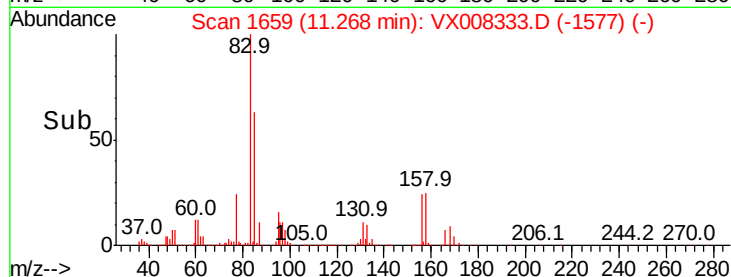
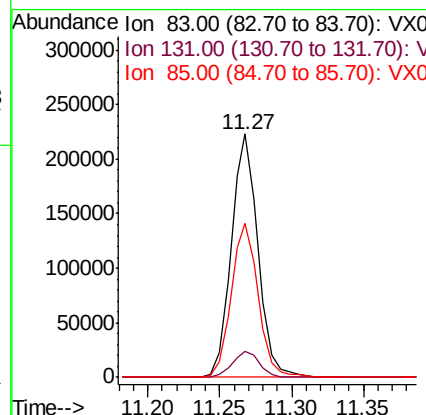
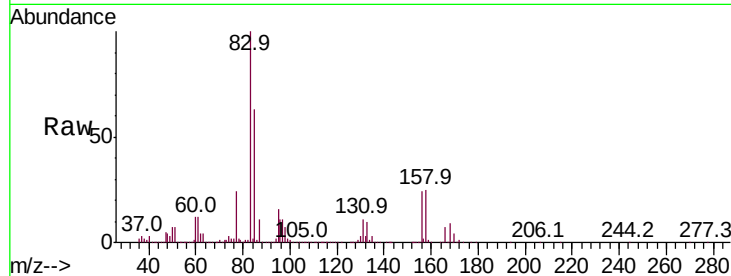
#71
 1,1,2,2-Tetrachloroethane
 Concen: 97.465 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.4	16.2
85	64.0	32.8	98.4

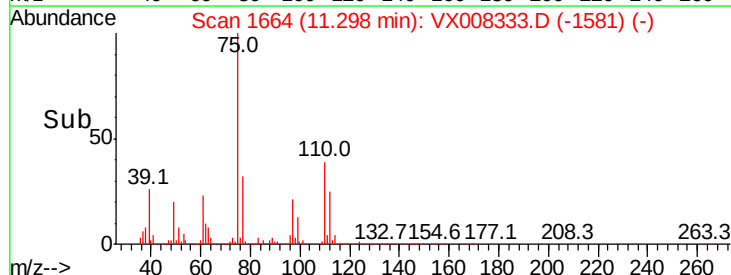
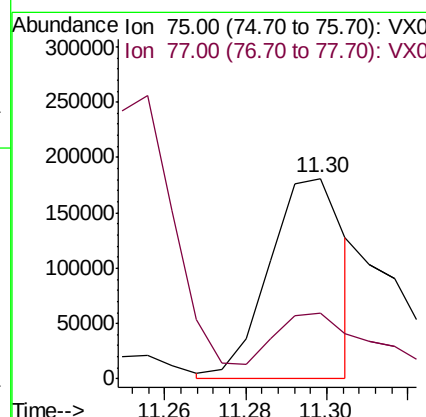
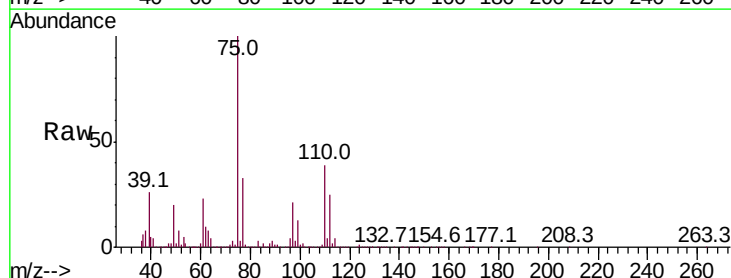
Manual Integrations
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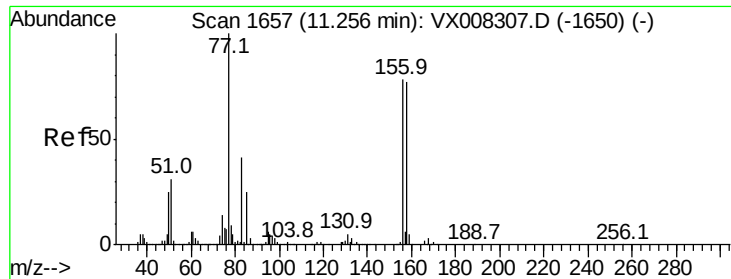
MMDadoda
 3/23/2019 9:33:46 AM



#72
 1,2,3-Trichloropropane
 Concen: 93.759 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.01 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	44.0	0.0	76.4





#73

Bromobenzene

Concen: 98.615 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Instrument :

MSVOA_X

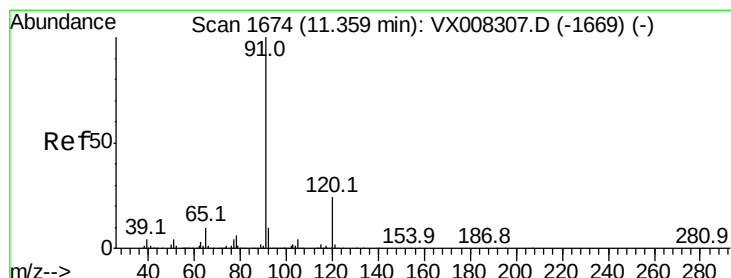
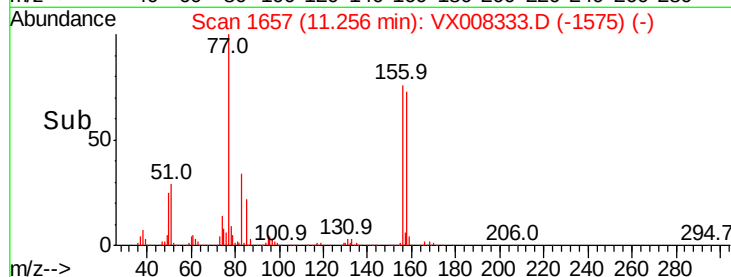
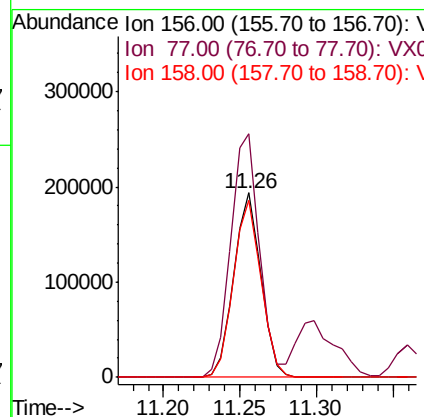
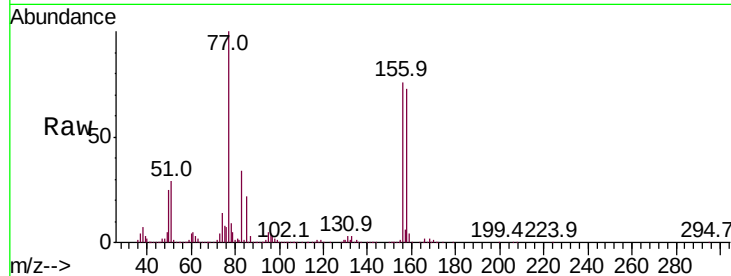
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	238280
Ion Ratio	Lower	Upper	
156	100		
77	140.4	0.0	271.4
158	97.6	0.0	194.0

Manual Integrations
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#74

n-propylbenzene

Concen: 100.401 ug/l

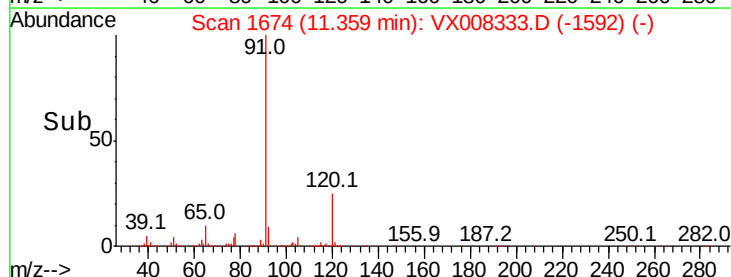
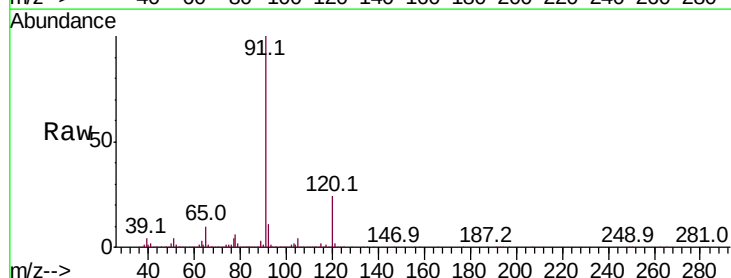
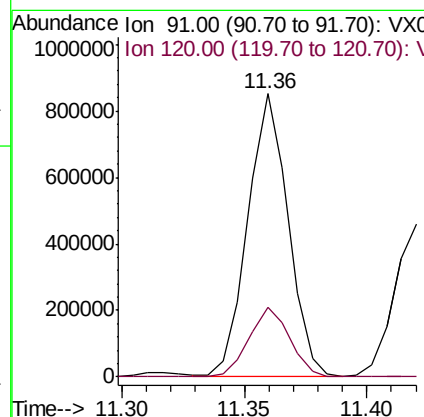
RT: 11.36 min Scan# 1674

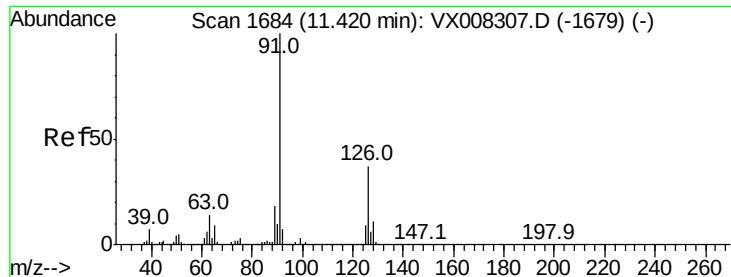
Delta R.T. 0.00 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Tgt Ion:	91	Resp:	977335
Ion Ratio	Lower	Upper	
91	100		
120	24.6	0.0	48.6





#75

2-Chlorotoluene

Concen: 98.270 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 571275

Ion Ratio Lower Upper

91 100

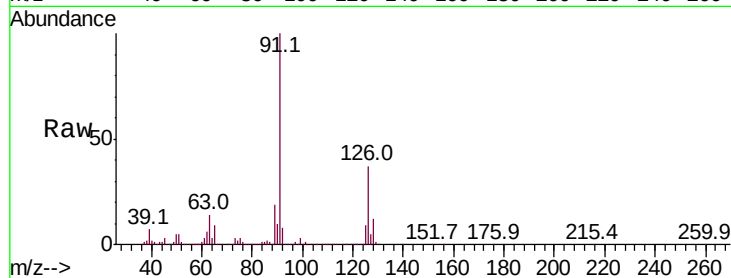
126 36.6 0.0 75.2

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Abundance Ion 91.00 (90.70 to 91.70): VX008333.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX008333.D (-1679) (-)

1000000

800000

600000

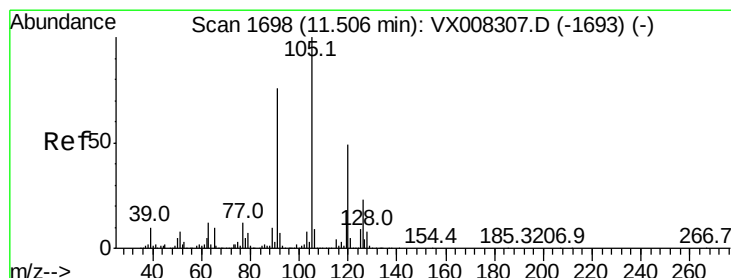
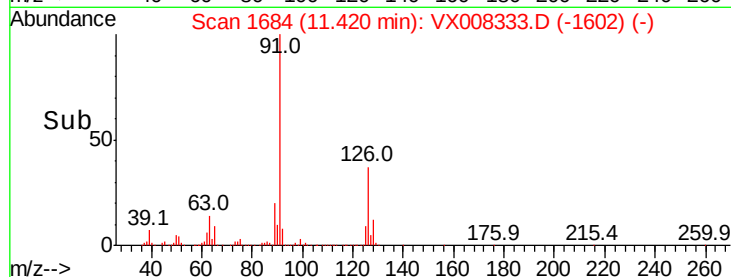
400000

200000

0

11.40 11.42 11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 100.223 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008333.D

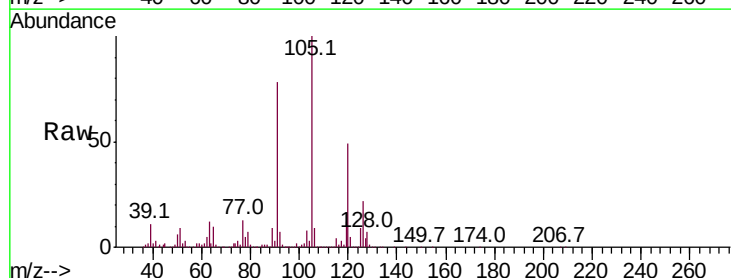
Acq: 22 Mar 2019 12:13

Tgt Ion: 105 Resp: 747717

Ion Ratio Lower Upper

105 100

120 49.6 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): VX008333.D (-1693) (-)

Ion 120.00 (119.70 to 120.70): VX008333.D (-1693) (-)

600000

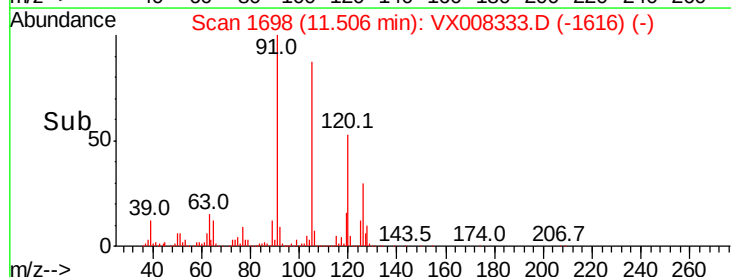
400000

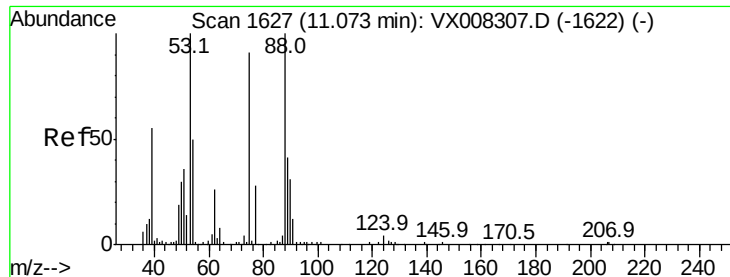
200000

0

11.45 11.50 11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 111.602 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 94841

Ion Ratio Lower Upper

75 100

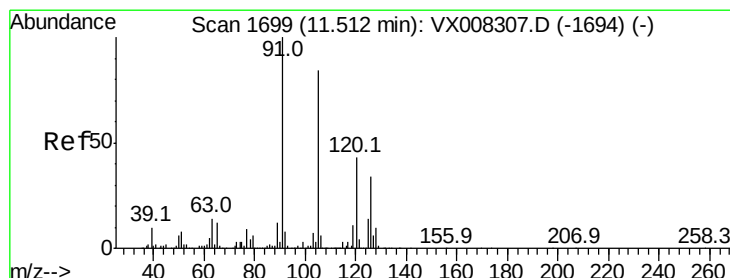
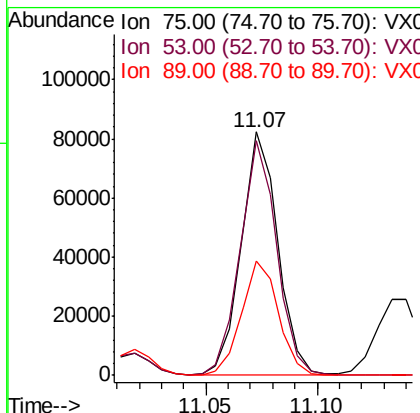
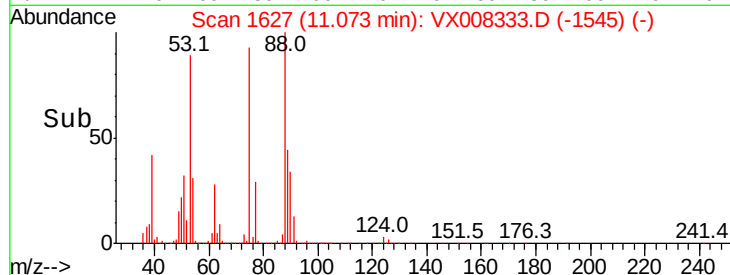
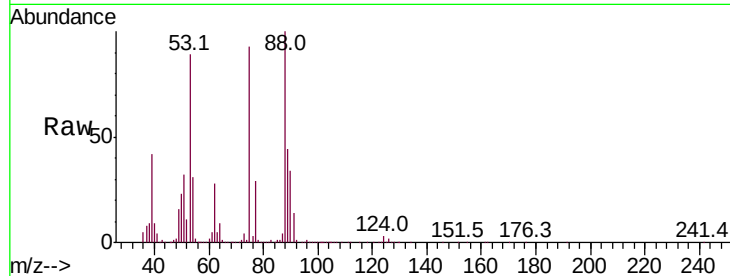
53 96.1 55.5 166.7

89 47.0 24.4 73.2

Manual Integrations
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#78

4-Chlorotoluene

Concen: 100.142 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008333.D

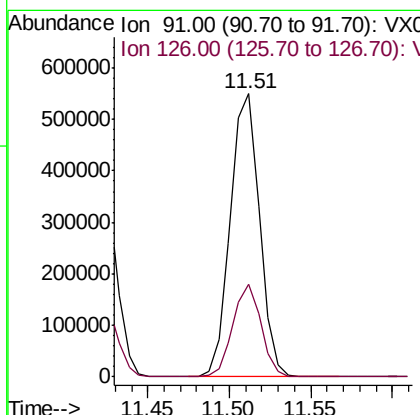
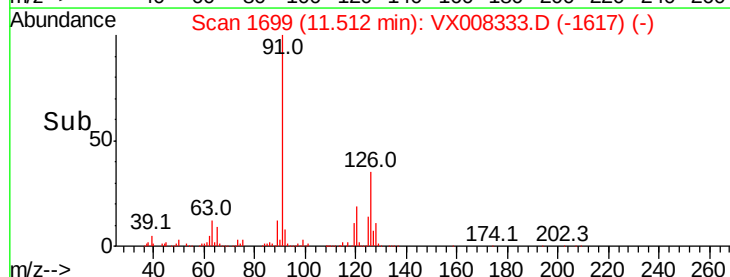
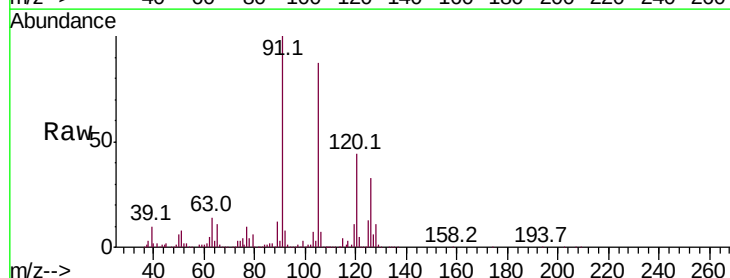
Acq: 22 Mar 2019 12:13

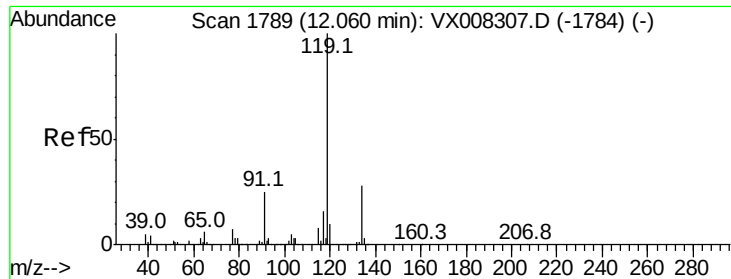
Tgt Ion: 91 Resp: 685149

Ion Ratio Lower Upper

91 100

126 31.4 0.0 66.2





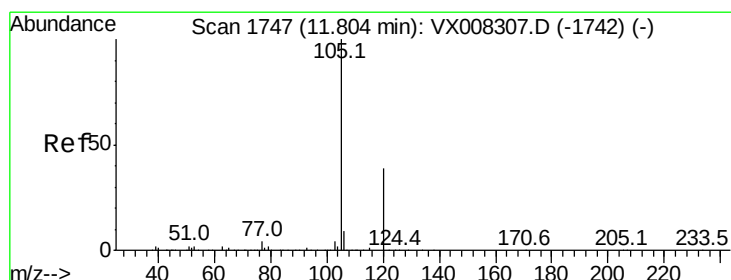
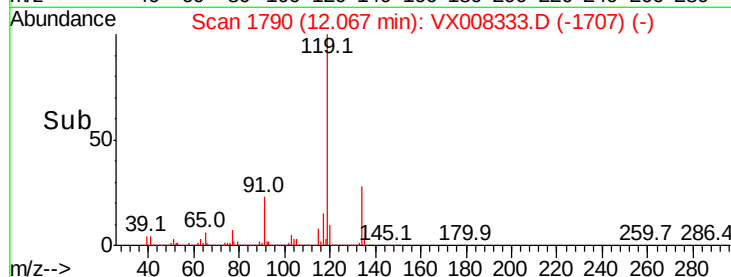
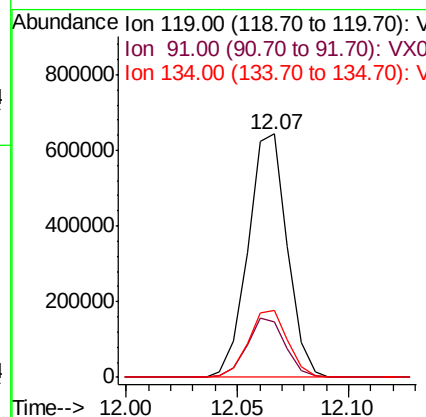
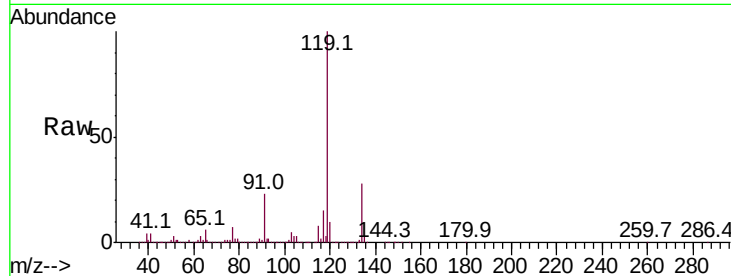
#79
tert-butylbenzene
Concen: 100.897 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.01 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	791804		
91	23.9	0.0	45.0	
134	27.7	0.0	55.4	

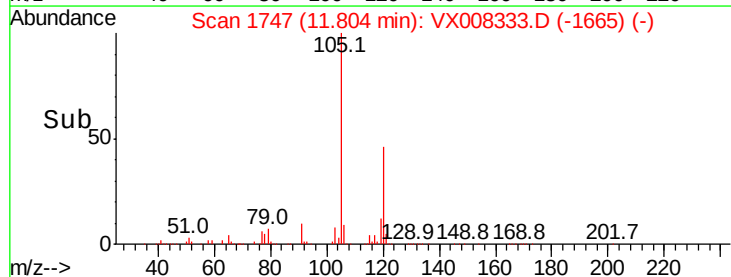
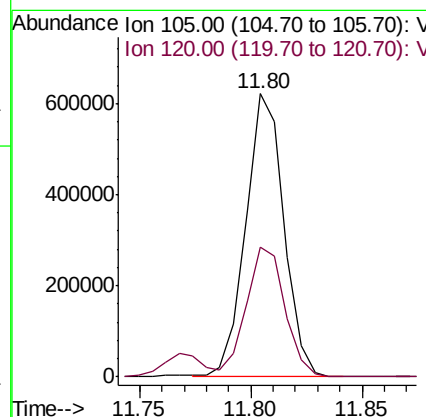
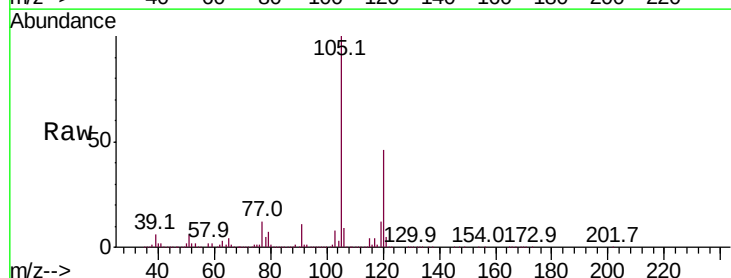
Manual Integrations
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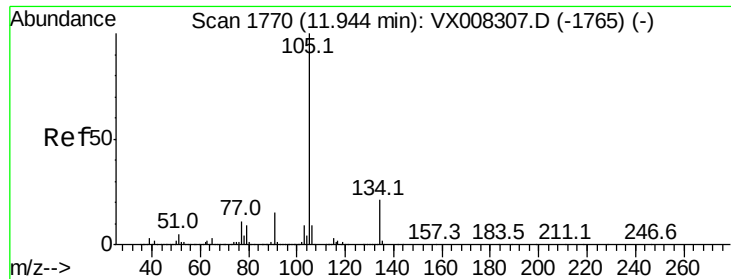
MMDadoda
3/23/2019 9:33:46 AM



#80
1,2,4-Trimethylbenzene
Concen: 100.013 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008333.D
Acq: 22 Mar 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	741441		
120	46.4	0.0	94.0	





#81

sec-Butylbenzene

Concen: 98.587 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 838933

Ion Ratio Lower Upper

105 100

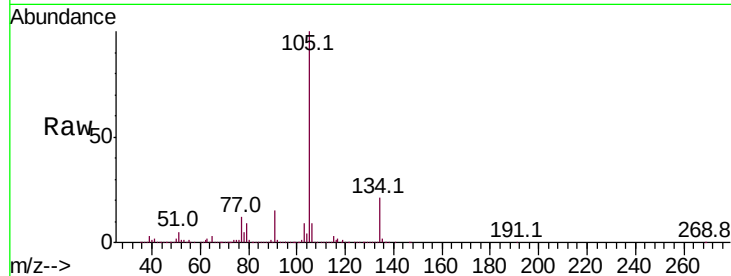
134 21.5 0.0 41.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

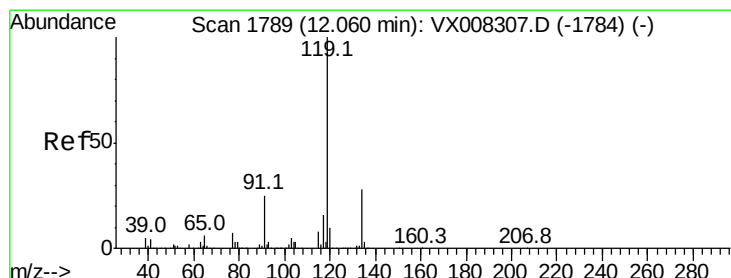
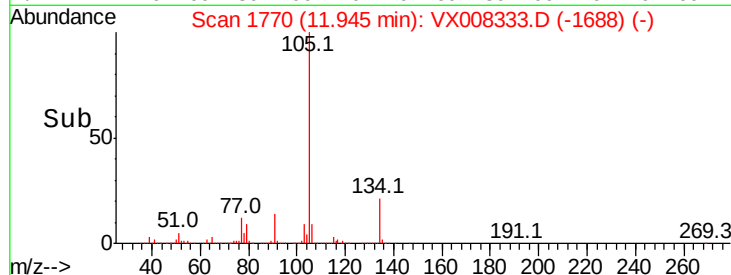
400000

200000

0

11.90 11.95 12.00

Time-->



#82

p-Isopropyltoluene

Concen: 100.897 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

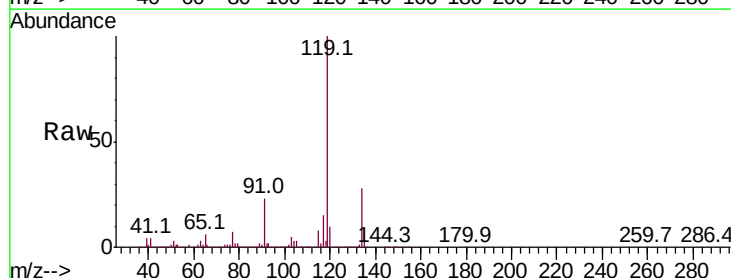
Tgt Ion:119 Resp: 791804

Ion Ratio Lower Upper

119 100

134 27.7 0.0 55.4

91 23.9 0.0 45.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

800000

600000

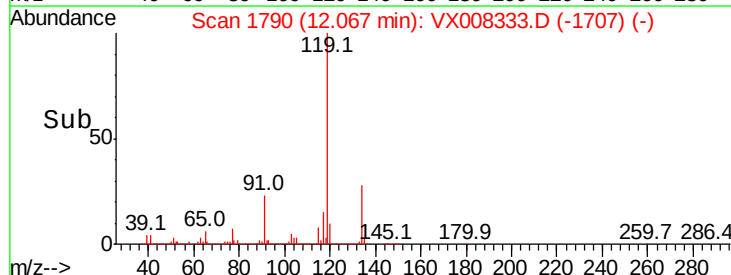
400000

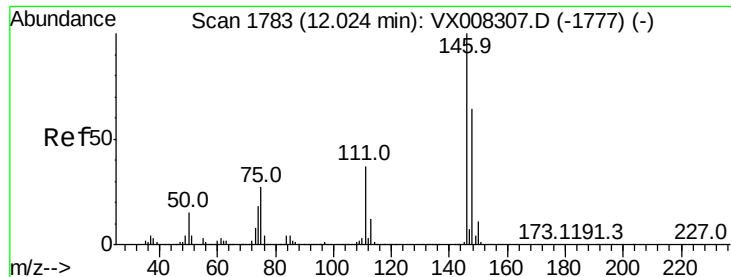
200000

0

12.00 12.05 12.10

Time-->





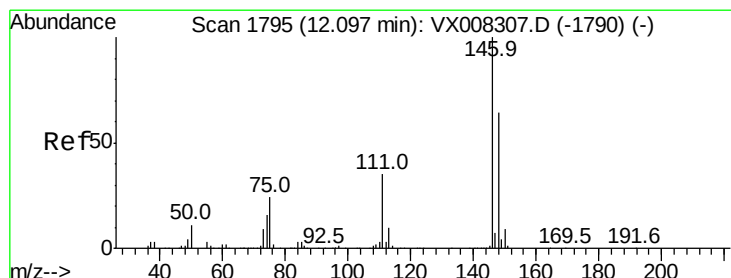
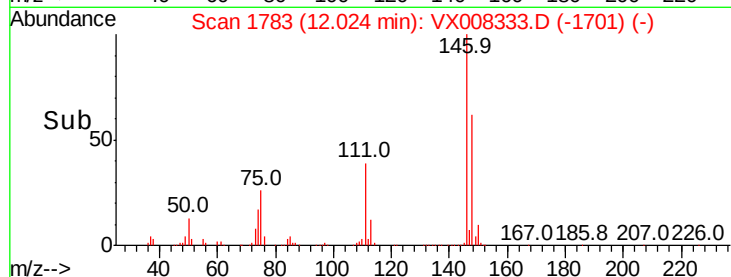
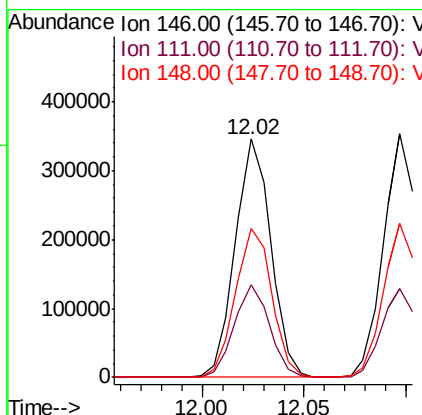
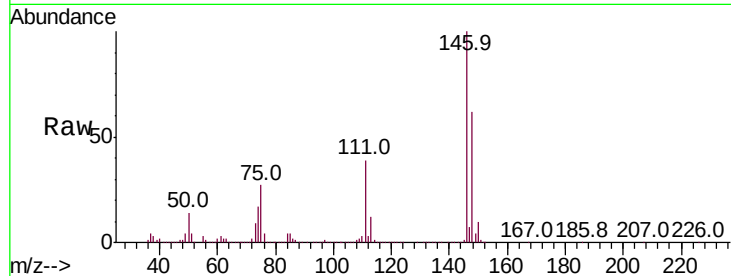
#83
 1,3-Dichlorobenzene
 Concen: 100.141 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	419973		
111	38.4	18.8	56.3	
148	63.6	30.6	91.8	

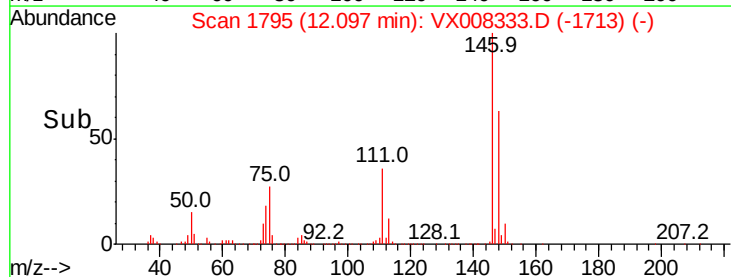
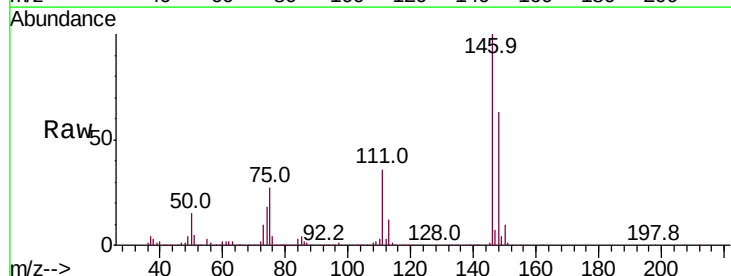
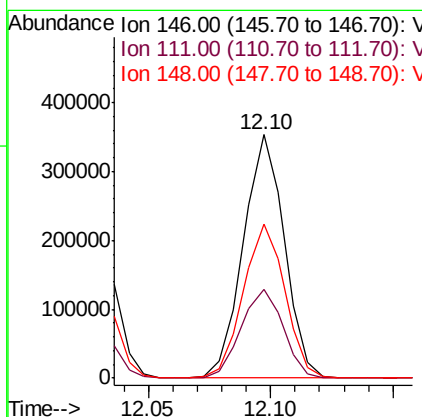
Manual Integrations
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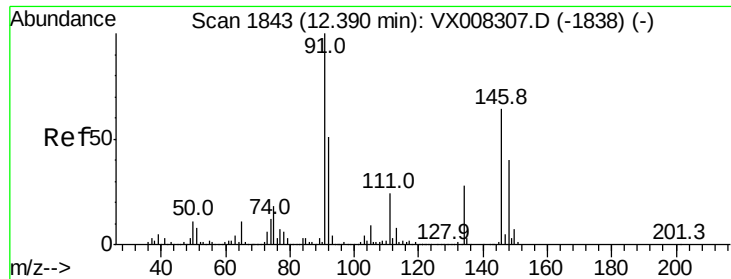
MMDadoda
 3/23/2019 9:33:46 AM



#84
 1,4-Dichlorobenzene
 Concen: 98.845 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	412812		
111	37.4	17.6	52.8	
148	64.5	31.4	94.2	





#85

n-Butylbenzene

Concen: 103.675 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Instrument :

MSVOA_X

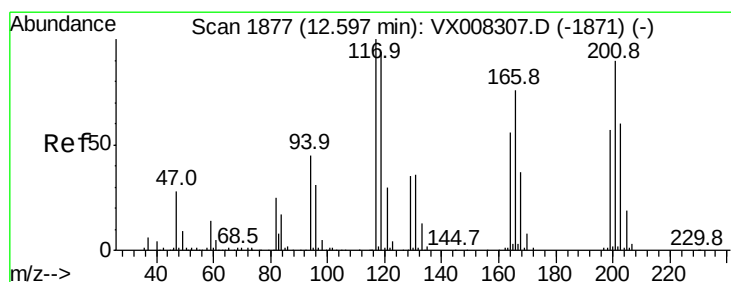
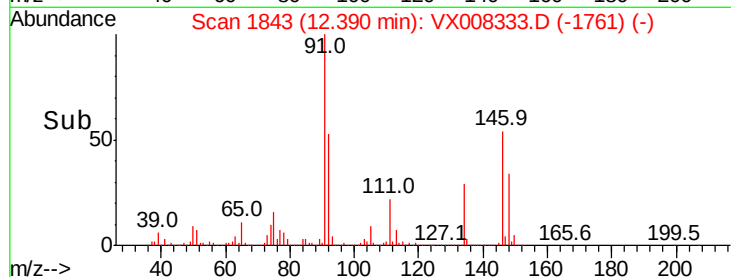
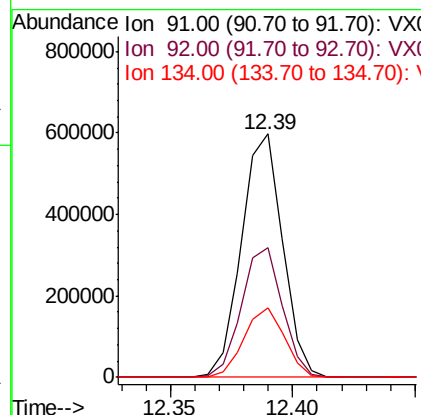
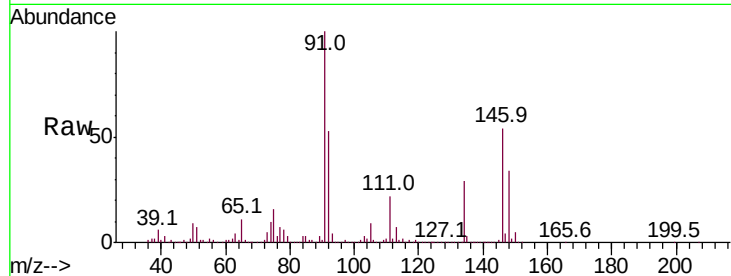
ClientSampleId :

VSTDIC100

Tot Ion:	91	Resp:	699850
Ion Ratio	Lower	Upper	
91	100		
92	53.1	0.0	105.2
134	28.3	0.0	56.4

Manual Integrations
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#86

Hexachloroethane

Concen: 102.804 ug/l

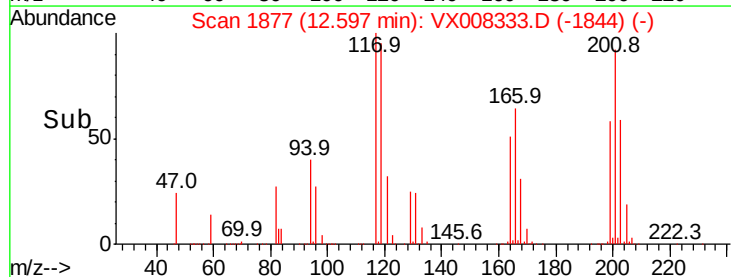
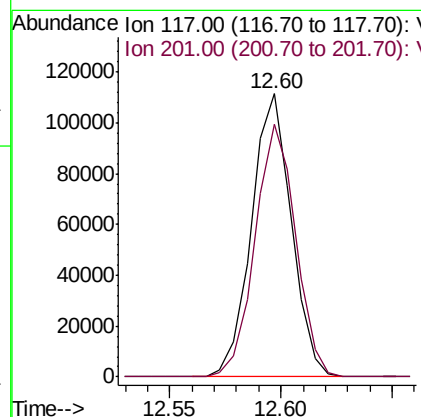
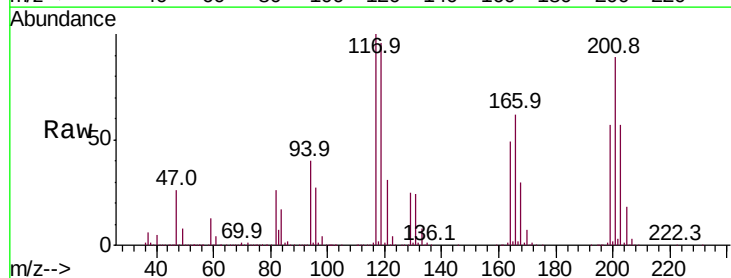
RT: 12.60 min Scan# 1877

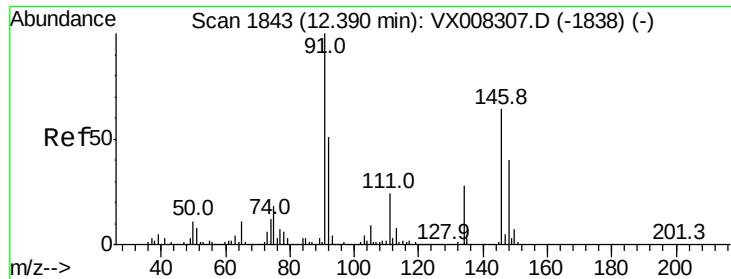
Delta R.T. 0.00 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Tgt Ion:	117	Resp:	139045
Ion Ratio	Lower	Upper	
117	100		
201	91.0	41.1	123.3





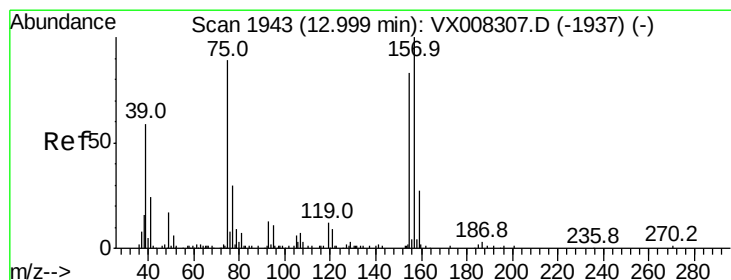
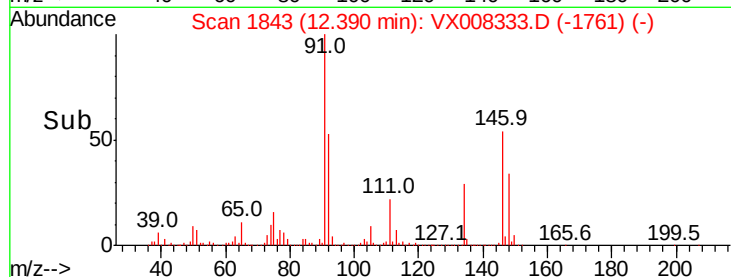
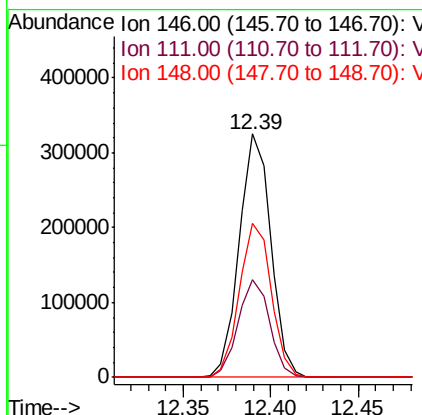
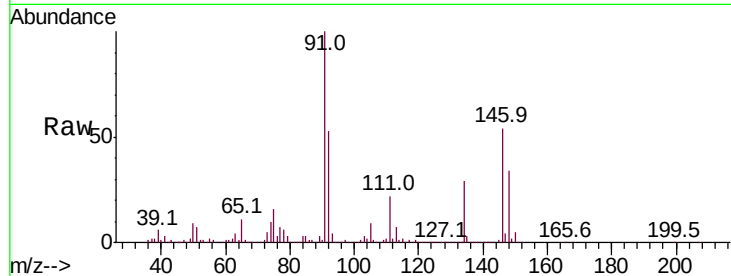
#87
 1,2-Dichlorobenzene
 Concen: 98.786 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.3	57.8
148	63.8	32.1	96.3

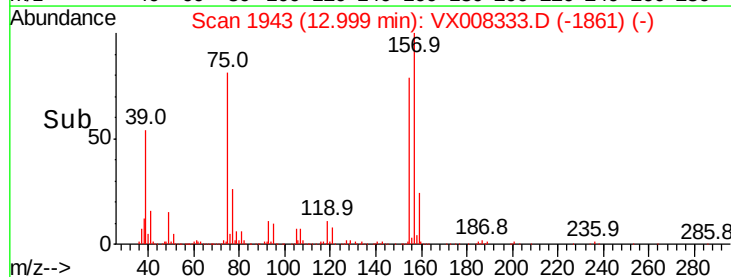
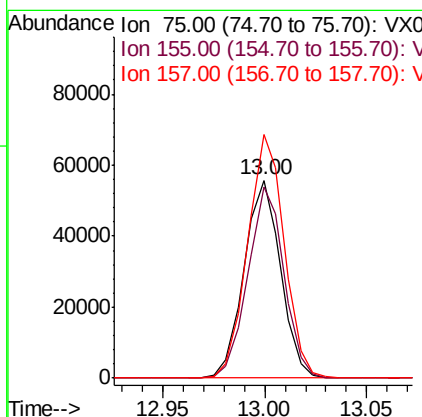
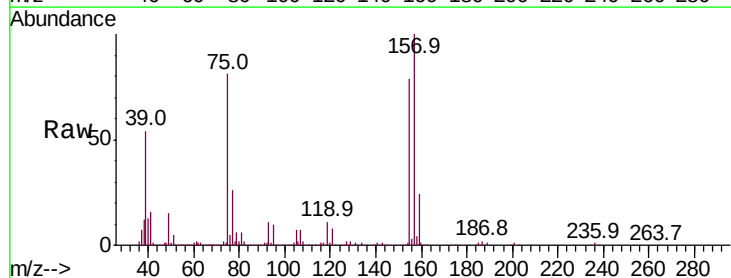
Manual Integrations
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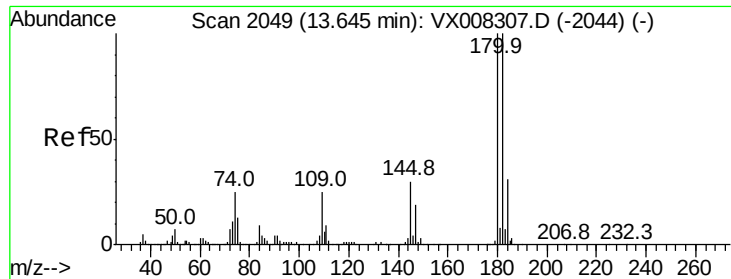
MMDadoda
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 101.001 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.2	81.0	121.6
157	124.5	103.2	154.8





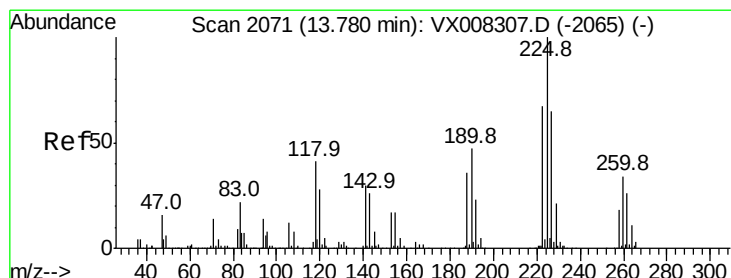
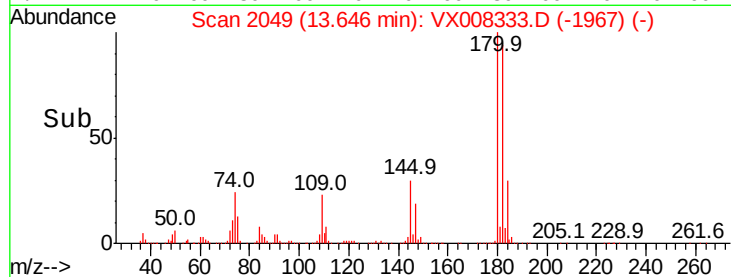
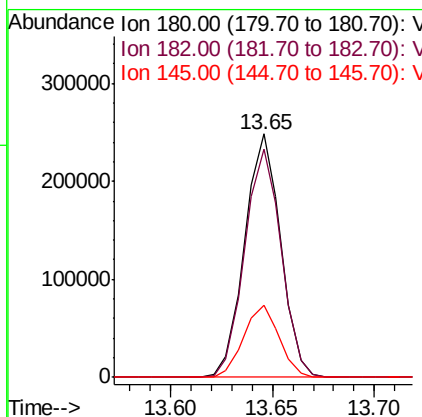
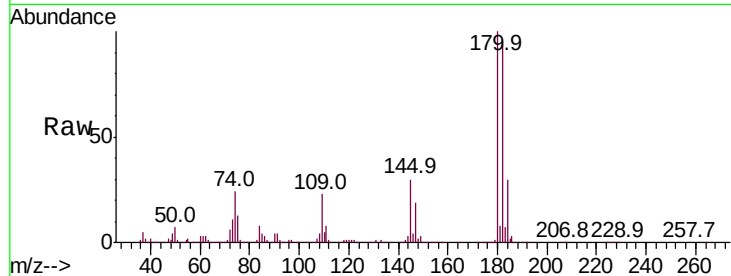
#89
 1,2,4-Trichlorobenzene
 Concen: 104.084 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	304674		
182	94.7	75.6	113.4	
145	29.2	23.0	34.6	

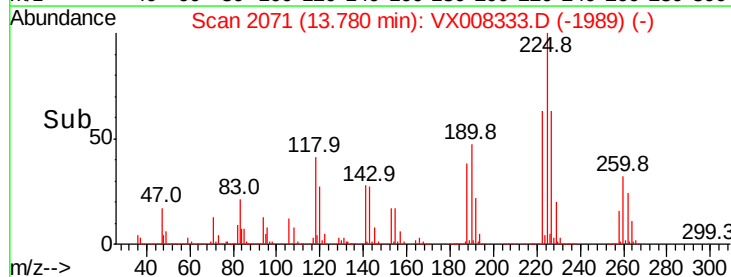
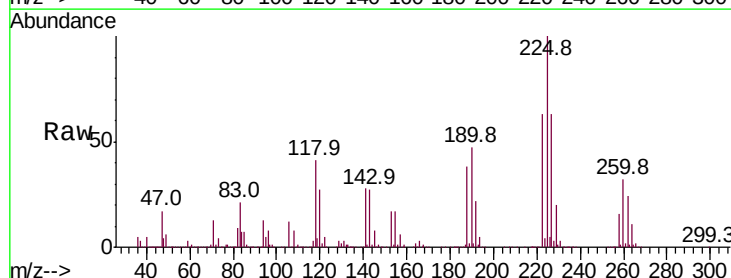
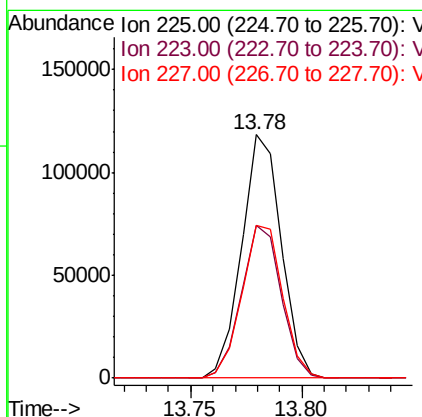
Manual Integrations
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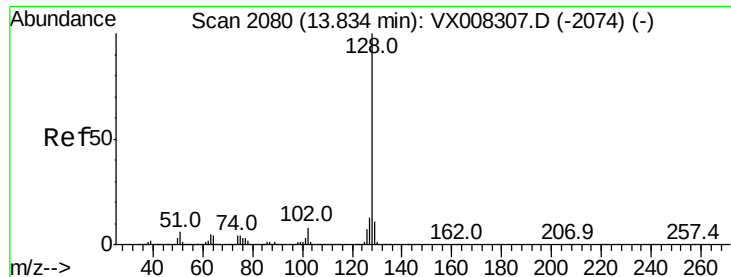
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#90
 Hexachlorobutadiene
 Concen: 99.917 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008333.D
 Acq: 22 Mar 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	147235		
223	63.1	0.0	123.8	
227	64.7	0.0	124.4	





#91

Naphthalene

Concen: 104.211 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Instrument :

MSVOA_X

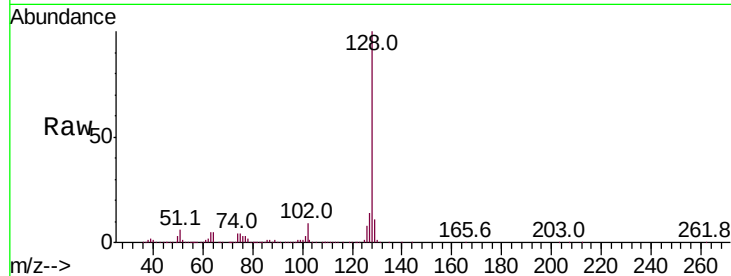
ClientSampleId :

VSTDIC100

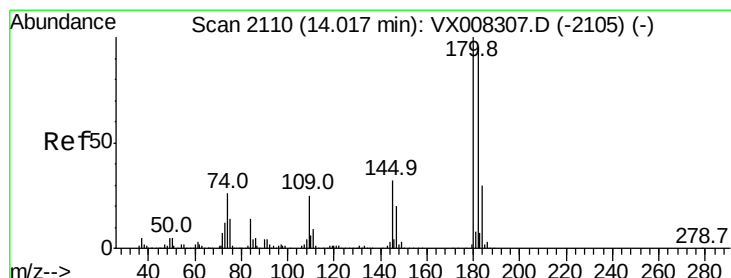
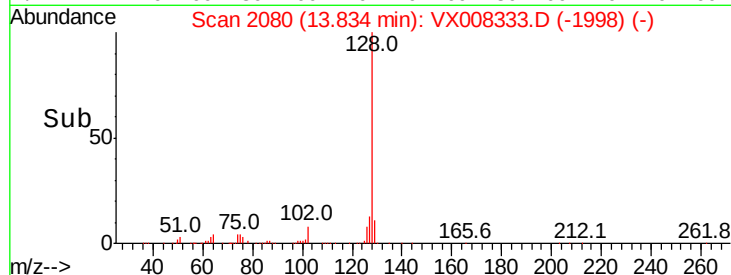
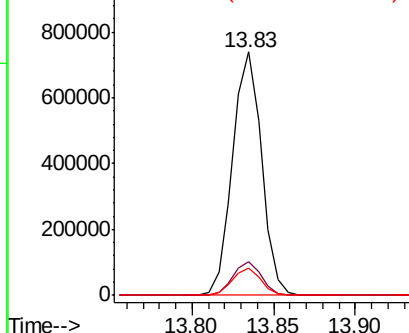
Tot Ion:	128	Resp:	916181
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.5	15.7
129	10.9	8.9	13.3

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 102.766 ug/l

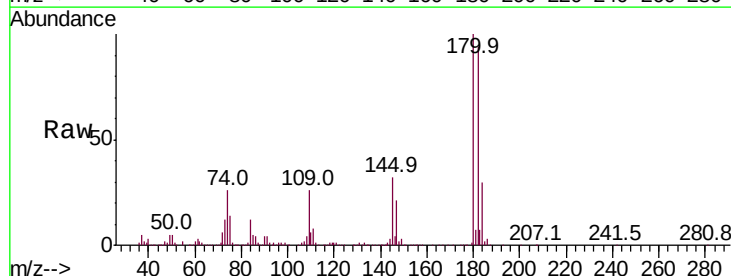
RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008333.D

Acq: 22 Mar 2019 12:13

Tgt Ion:	180	Resp:	304110
Ion Ratio	Lower	Upper	
180	100		
182	94.6	0.0	193.0
145	30.9	0.0	63.0



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

