

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040219\
 Data File : VX008593.D
 Acq On : 02 Apr 2019 14:00
 Operator : JC/SP
 Sample : VX0402WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0402WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/3/2019 10:49:16 AM

Quant Time: Apr 03 03:52:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 12:01:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	33700	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	194635	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	172191	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	83579	29.65	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.83%
60) 4-Bromofluorobenzene	11.13	95	88628	29.54	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.47%
63) Toluene-d8	8.71	98	247982	30.34	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	40933	17.763	ug/l 99
3) Chloromethane	1.32	50	56879	18.839	ug/l 96
4) Vinyl Chloride	1.40	62	54184	17.804	ug/l 100
5) Bromomethane	1.64	94	22817	14.470	ug/l 100
6) Chloroethane	1.72	64	32356	16.244	ug/l 94
7) Trichlorofluoromethane	1.93	101	60694	17.968	ug/l 98
8) Diethyl Ether	2.18	74	28528	17.909	ug/l 77
9) 1,1,2-Trichlorotrifluoroet	2.38	101	38160	18.140	ug/l 92
10) 1,1-Dichloroethene	2.37	96	39197	18.367	ug/l # 81
11) Methyl Iodide	2.51	142	27409	12.403	ug/l 95
12) Methyl Acetate	3.20	43	32153	18.589	ug/l 91
13) Acrolein	2.29	56	46300	93.308	ug/l 98
14) Acrylonitrile	3.14	53	159193	99.549	ug/l 99
15) Acetone	2.45	58	43386	87.980	ug/l 96
16) Carbon Disulfide	2.57	76	116072	17.484	ug/l 100
17) Allyl chloride	2.73	41	89800	18.723	ug/l 90
18) Methylene Chloride	2.85	84	48226	18.904	ug/l 90
19) trans-1,2-Dichloroethene	3.17	96	41813	18.339	ug/l 91
20) Diisopropyl ether	3.85	45	179199	19.196	ug/l # 87
21) 1,1-Dichloroethane	3.70	63	87839	18.746	ug/l 97
22) cis-1,2-Dichloroethene	4.59	96	48648	18.464	ug/l # 79
23) tert-Butyl Alcohol	3.04	59	62285	96.455	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	146250	18.647	ug/l 99
25) Chloroform	5.21	83	79624	18.759	ug/l 98
26) Cyclohexane	5.57	56	83388	18.318	ug/l # 83
29) 1,1-Dichloropropene	5.80	75	60791	18.565	ug/l 93
30) 2-Butanone	4.67	43	234944	97.574	ug/l 93
31) 2,2-Dichloropropane	4.58	77	58180	17.790	ug/l 94
32) 1,1,1-Trichloroethane	5.49	97	63034	18.538	ug/l # 94
33) Carbon Tetrachloride	5.79	117	51096	17.960	ug/l 95
34) Benzene	6.14	78	190604	19.043	ug/l # 95
35) Methacrylonitrile	5.04	41	47953	19.583	ug/l 92
36) 1,2-Dichloroethane	6.19	62	67937	19.037	ug/l 97
37) Trichloroethene	7.21	130	42367	18.405	ug/l 81
38) Methylcyclohexane	7.46	83	73092	17.715	ug/l 87
39) 1,2-Dichloropropane	7.51	63	53806	18.953	ug/l 99
40) Dibromomethane	7.66	93	30863	18.766	ug/l 89

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	59057	18.263	ug/l	99
42) Vinyl Acetate	3.81	43	790310	96.823	ug/l #	93
43) Ethyl Acetate	4.83	43	87724	20.242	ug/l #	82
44) Isopropyl Acetate	6.45	43	133053	18.987	ug/l	97
45) 1,4-Dioxane	7.74	88	27511	394.365	ug/l #	84
46) Methyl methacrylate	7.77	41	67820	19.055	ug/l	87
47) n-amyl Acetate	10.90	43	118942	18.685	ug/l	94
48) t-1,3-Dichloropropene	9.04	75	64317	17.609	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	74257	18.176	ug/l	94
50) 1,1,2-Trichloroethane	9.21	97	45389	18.587	ug/l	97
51) Ethyl methacrylate	9.18	69	82938	18.251	ug/l	92
52) 1,3-Dichloropropane	9.37	76	82111	18.900	ug/l	100
53) Dibromochloromethane	9.58	129	41948	17.456	ug/l	98
54) 1,2-Dibromoethane	9.67	107	46983	18.664	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	217131	94.713	ug/l	95
56) Bromoform	10.85	173	30074	17.173	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	454255	99.997	ug/l #	95
59) 2-Hexanone	9.49	43	352137	98.117	ug/l	97
61) Tetrachloroethene	9.34	164	36736	19.504	ug/l	98
62) Toluene	8.78	91	197972	18.990	ug/l	99
64) Chlorobenzene	10.14	112	115262	18.868	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	39393	18.290	ug/l	97
66) Ethyl Benzene	10.25	91	216120	18.676	ug/l	95
67) m/p-Xylenes	10.36	106	155545	36.853	ug/l	91
68) o-Xylene	10.69	106	77278	18.710	ug/l	93
69) Styrene	10.71	104	131367	18.279	ug/l	96
70) Isopropylbenzene	11.02	105	202669	18.602	ug/l	95
71) 1,1,2,2-Tetrachloroethane	11.27	83	77835	19.124	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	76840m	22.335	ug/l	
73) Bromobenzene	11.26	156	47795	18.439	ug/l	78
74) n-propylbenzene	11.36	91	235150	18.117	ug/l	94
75) 2-Chlorotoluene	11.42	91	142357	18.435	ug/l	90
76) 1,3,5-Trimethylbenzene	11.51	105	169242	18.169	ug/l	96
77) t-1,4-Dichloro-2-butene	11.07	75	22770	17.255	ug/l	98
78) 4-Chlorotoluene	11.51	91	158537	17.839	ug/l	91
79) tert-butylbenzene	12.06	119	170788	17.942	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	168094	18.099	ug/l	95
81) sec-Butylbenzene	11.94	105	192049	18.045	ug/l	95
82) p-Isopropyltoluene	12.06	119	170788	17.942	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	82731	17.978	ug/l	95
84) 1,4-Dichlorobenzene	12.10	146	82095	17.852	ug/l	97
85) n-Butylbenzene	12.38	91	153559	16.978	ug/l	96
86) Hexachloroethane	12.60	117	27978	17.591	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	84655	18.257	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	17233	19.103	ug/l #	75
89) 1,2,4-Trichlorobenzene	13.65	180	55914	17.482	ug/l	98
90) Hexachlorobutadiene	13.78	225	27613	17.920	ug/l	99
91) Naphthalene	13.83	128	199748	18.228	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	59344	18.419	ug/l	99

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ClientSampleId :
VX0402WBSD01

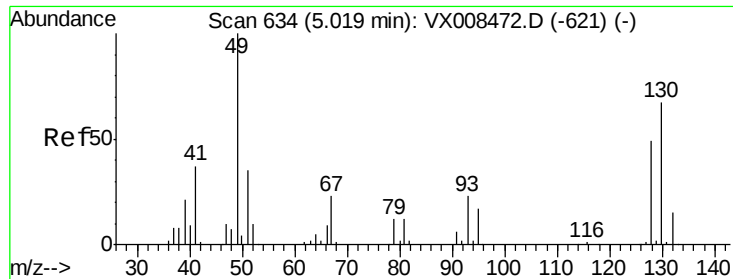
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Instrument :

MSVOA_X

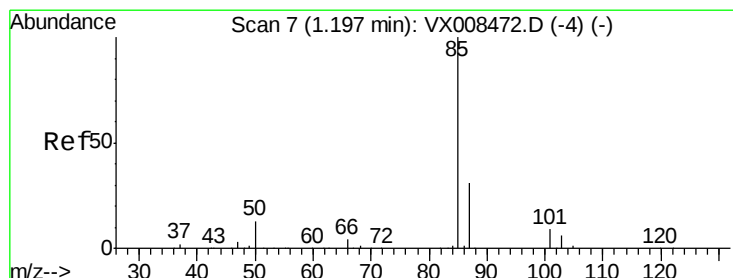
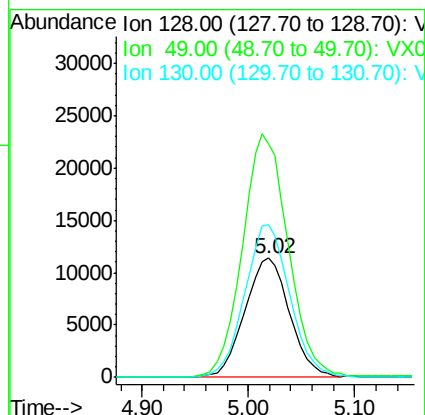
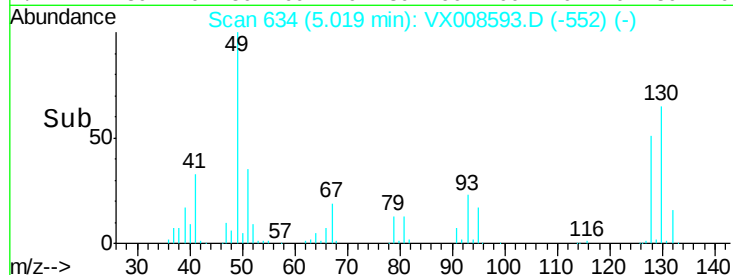
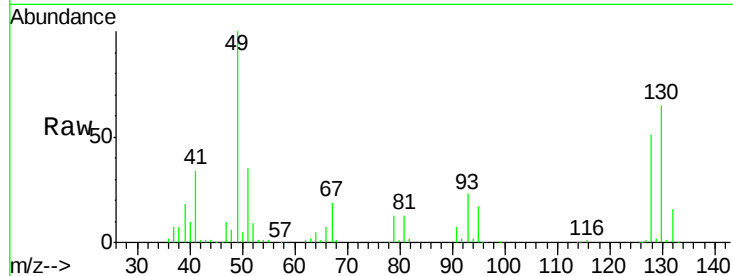
ClientSampleId :

VX0402WBSD01

Tot Ion:128 Resp: 33700
 Ion Ratio Lower Upper
 128 100
 49 207.8 0.0 350.8
 130 128.1 0.0 325.8

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#2

Dichlorodifluoromethane

Concen: 17.763 ug/l

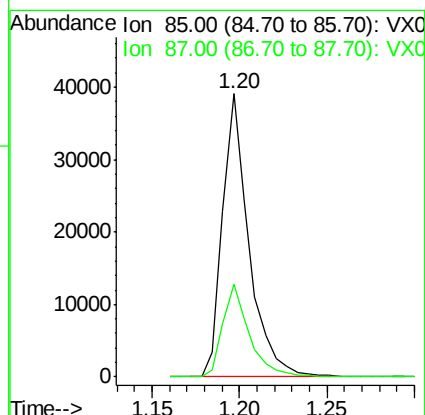
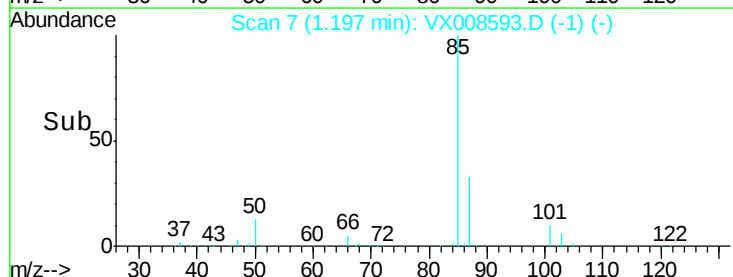
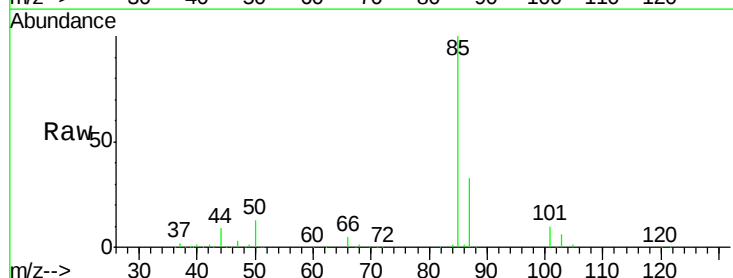
RT: 1.20 min Scan# 7

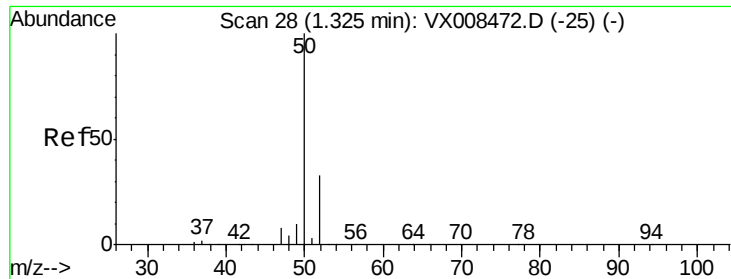
Delta R.T. -0.00 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Tgt Ion: 85 Resp: 40933
 Ion Ratio Lower Upper
 85 100
 87 32.7 16.6 49.8





#3

Chloromethane

Concen: 18.839 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBSD01

Tot Ion: 50 Resp: 56879

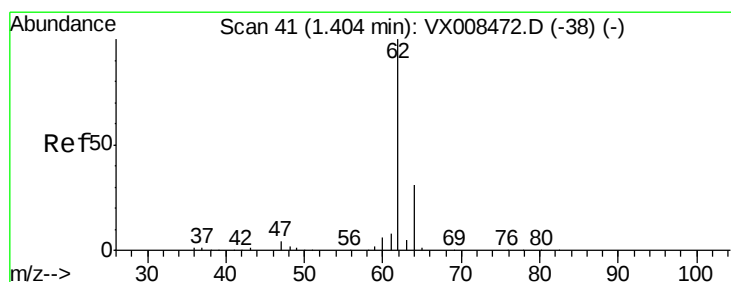
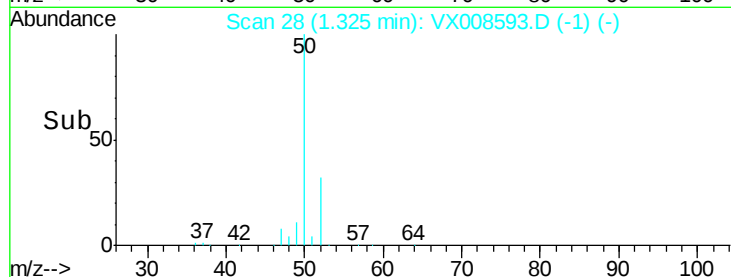
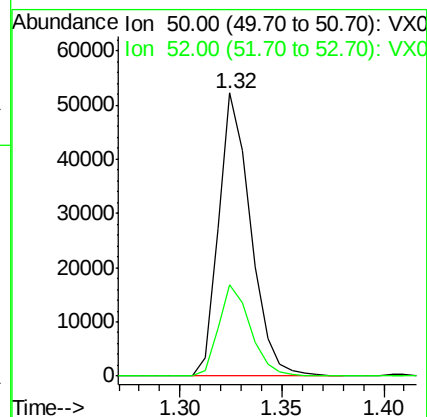
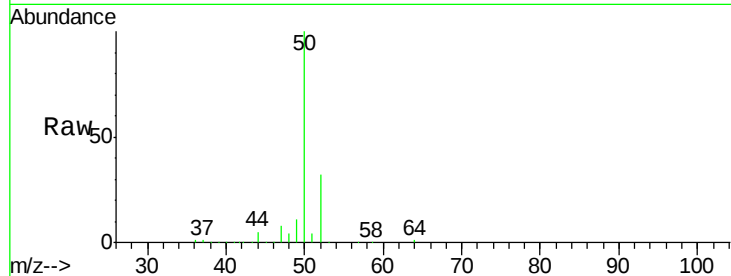
Ion Ratio Lower Upper

50 100

52 32.1 27.5 41.3

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#4

Vinyl Chloride

Concen: 17.804 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX008593.D

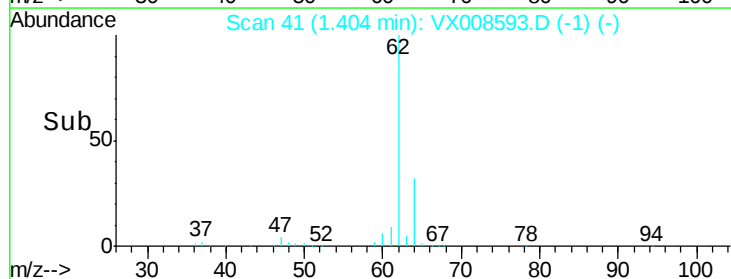
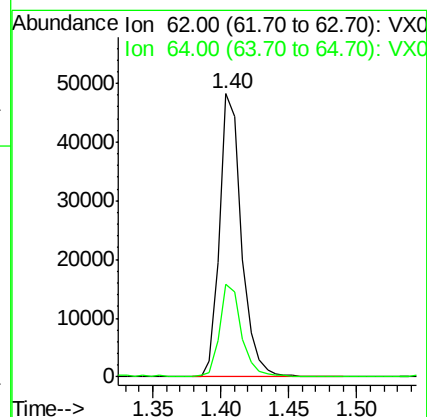
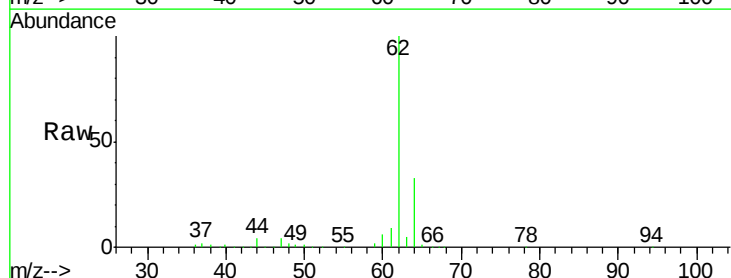
Acq: 02 Apr 2019 14:00

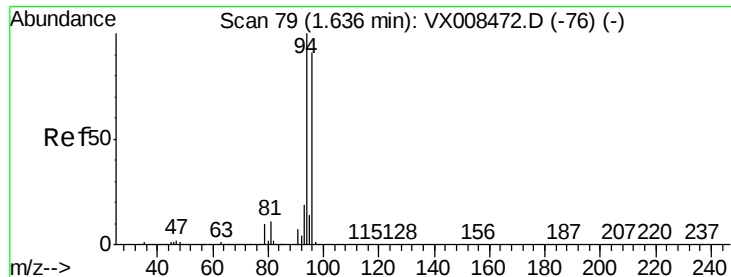
Tgt Ion: 62 Resp: 54184

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9





#5

Bromomethane

Concen: 14.470 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBSD01

Tot Ion: 94 Resp: 22817

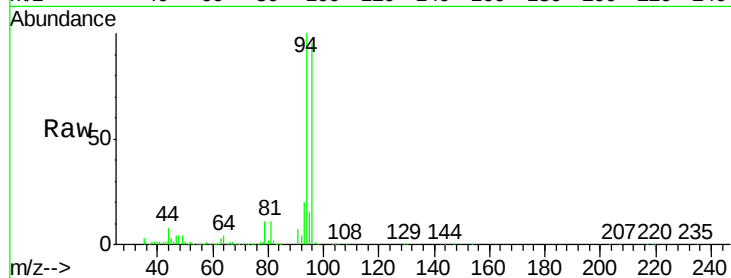
Ion Ratio Lower Upper

94 100

96 94.9 75.6 113.4

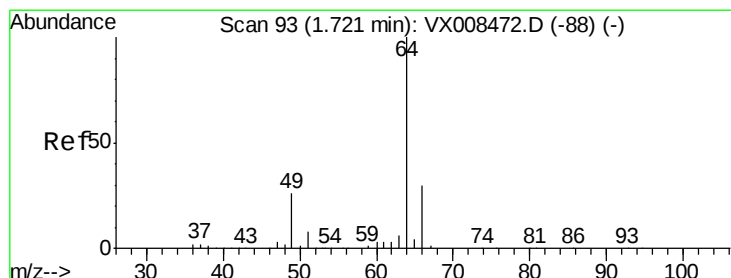
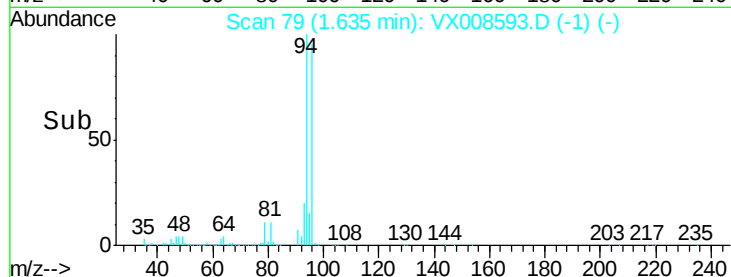
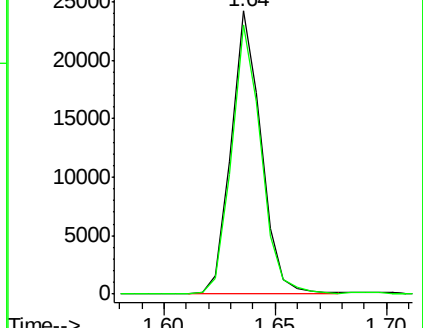
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 16.244 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX008593.D

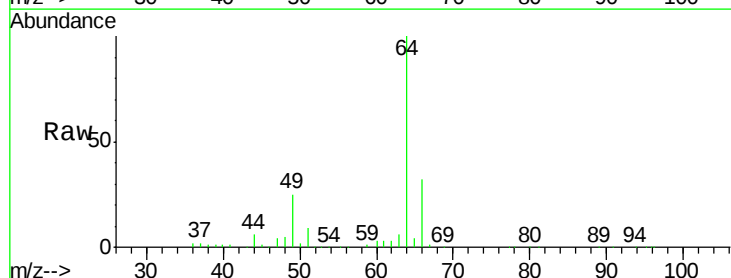
Acq: 02 Apr 2019 14:00

Tgt Ion: 64 Resp: 32356

Ion Ratio Lower Upper

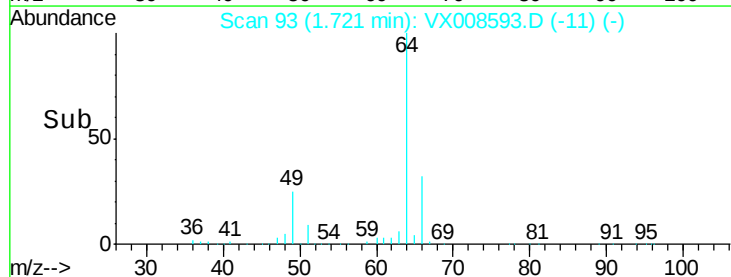
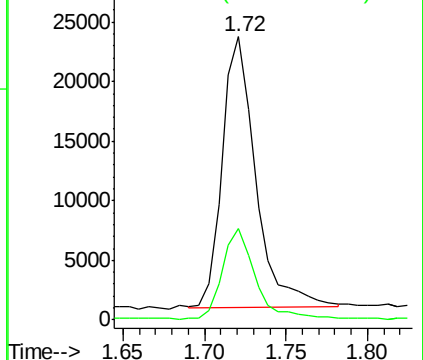
64 100

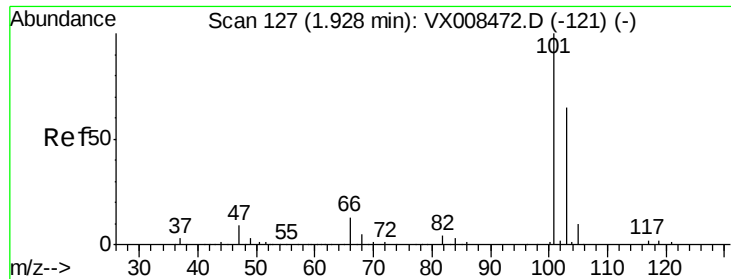
66 33.0 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

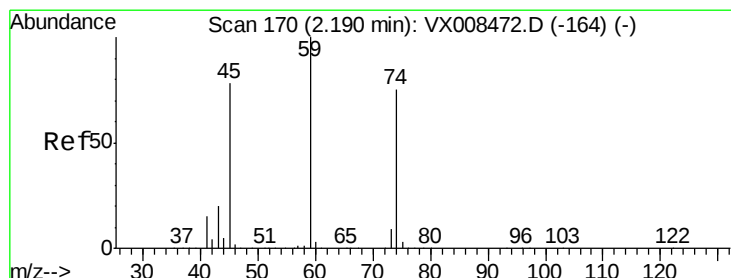
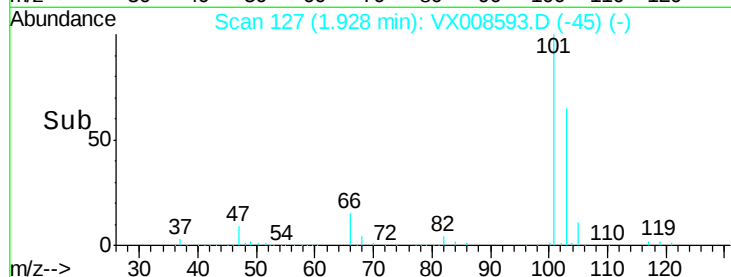
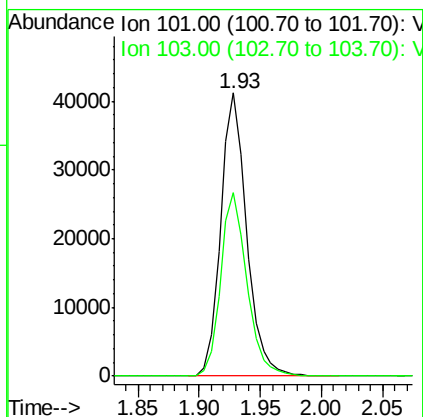
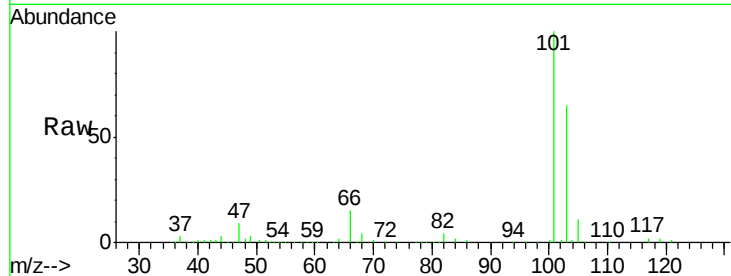
Trichlorofluoromethane
 Concen: 17.968 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX008593.D
 Acq: 02 Apr 2019 14:00

Instrument :
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 ClientSampleId :
 VX0402WBSD01

Tot Ion:101 Resp: 60694
 Ion Ratio Lower Upper
 101 100
 103 64.8 50.4 75.6

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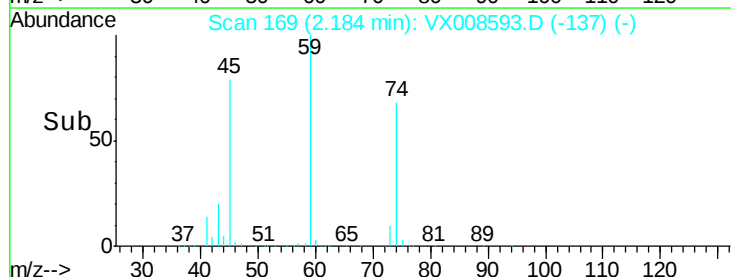
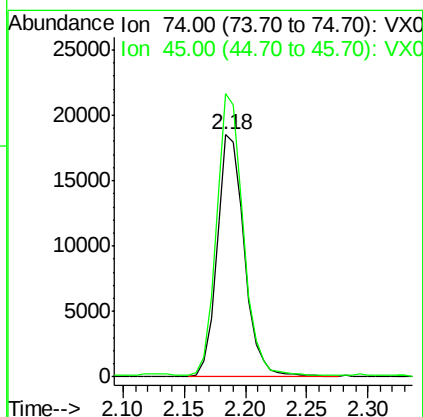
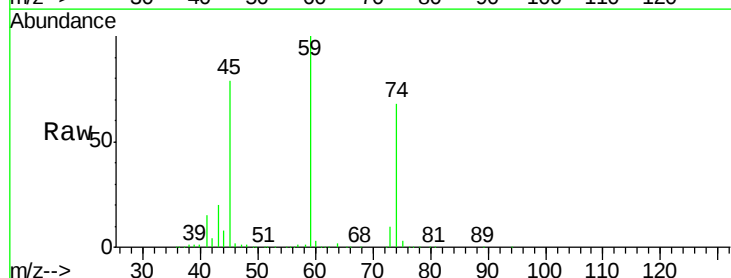
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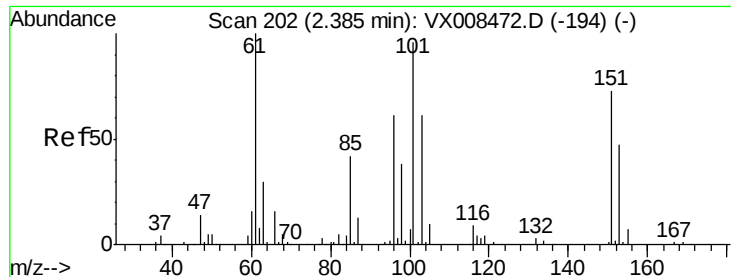


#8

Diethyl Ether
 Concen: 17.909 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX008593.D
 Acq: 02 Apr 2019 14:00

Tgt Ion: 74 Resp: 28528
 Ion Ratio Lower Upper
 74 100
 45 115.1 18.6 167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.140 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Instrument :

MSVOA_X

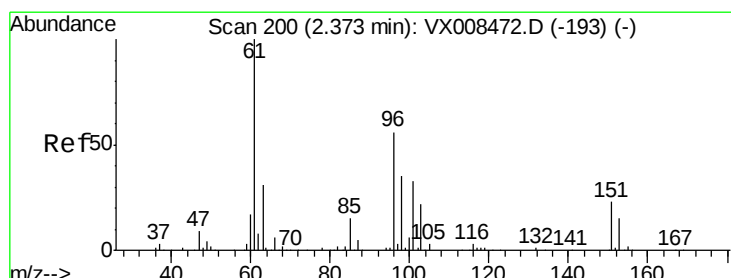
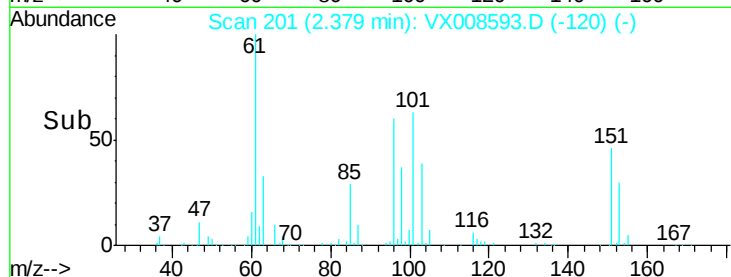
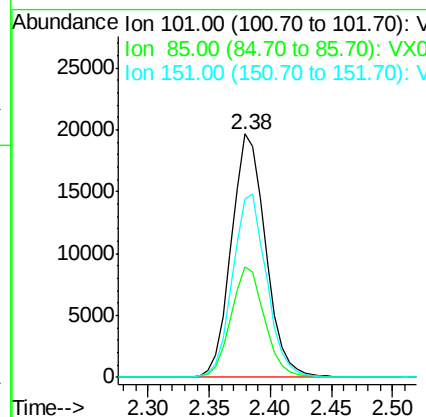
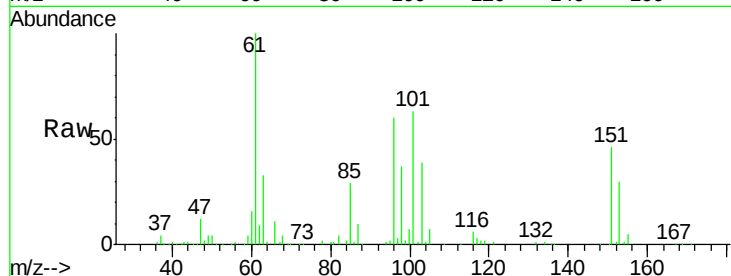
ClientSampled :

VX0402WBSD01

Tot Ion:	101	Resp:	38160
Ion Ratio	Lower	Upper	
101	100		
85	44.7	0.0	86.8
151	74.4	0.0	169.2

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 18.367 ug/l

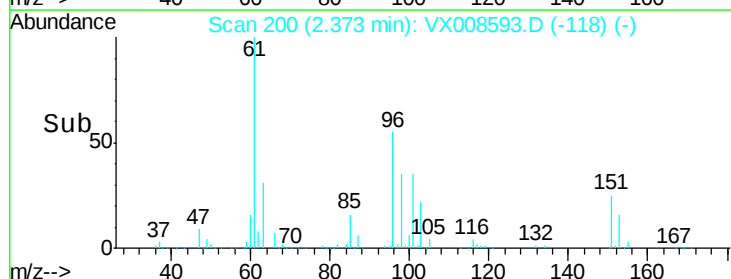
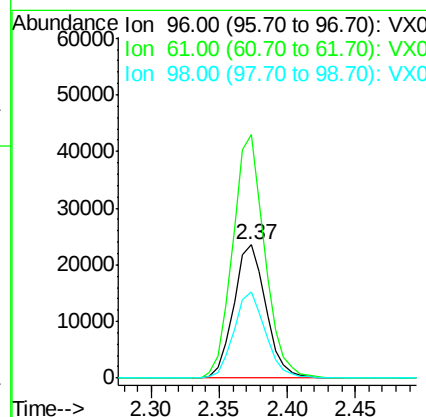
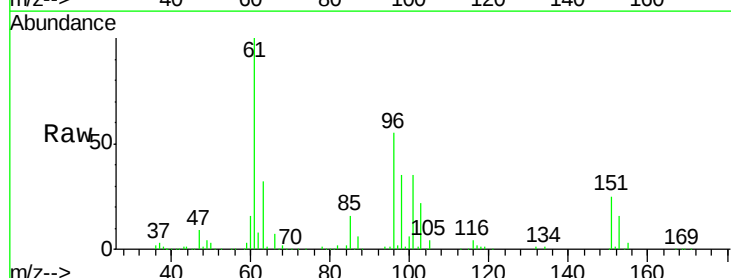
RT: 2.37 min Scan# 200

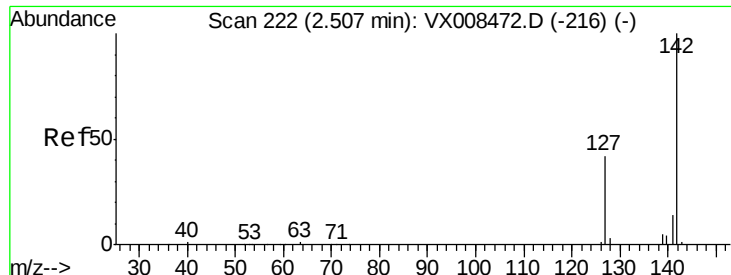
Delta R.T. -0.00 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Tgt Ion:	96	Resp:	39197
Ion Ratio	Lower	Upper	
96	100		
61	182.6	120.2	180.2#
98	64.6	49.0	73.4





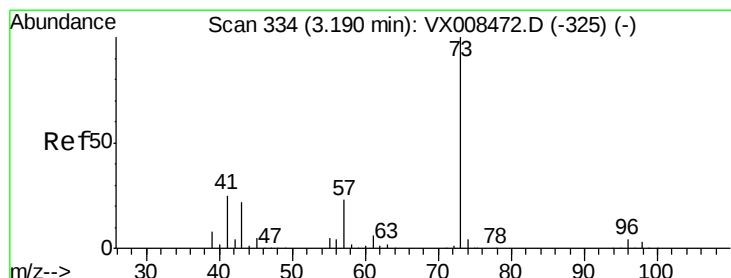
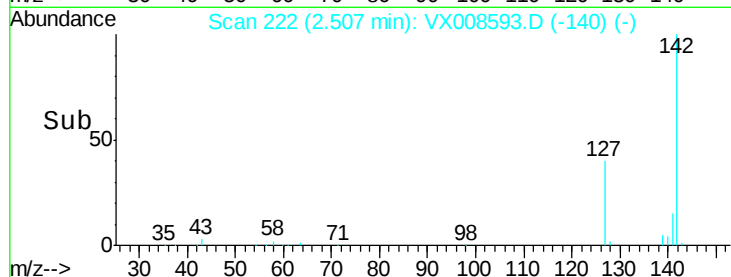
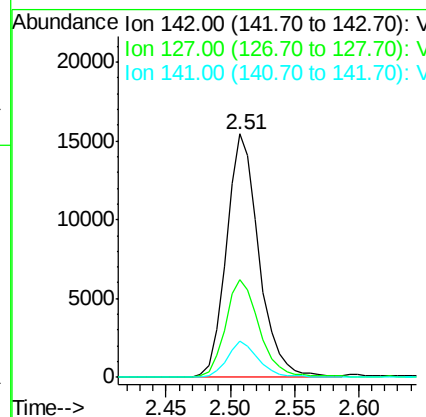
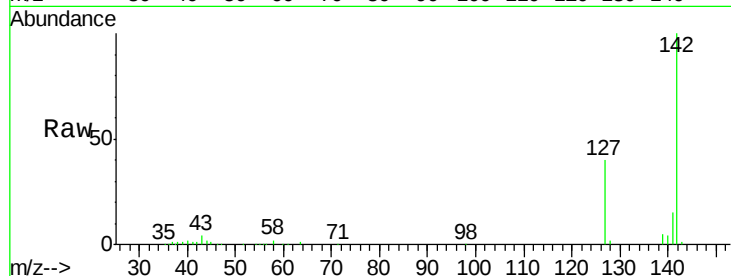
#11
Methyl Iodide
Concen: 12.403 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.1	22.1	66.5
141	14.9	7.4	22.3

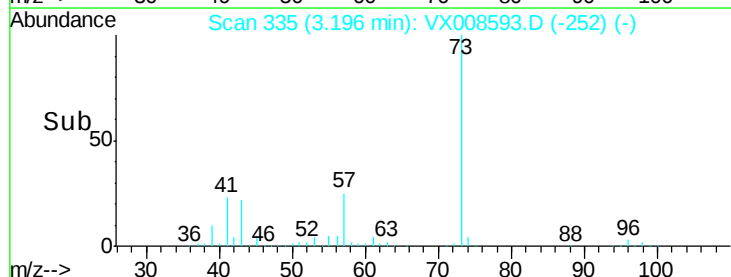
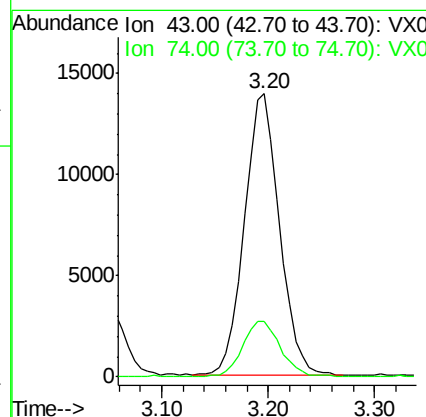
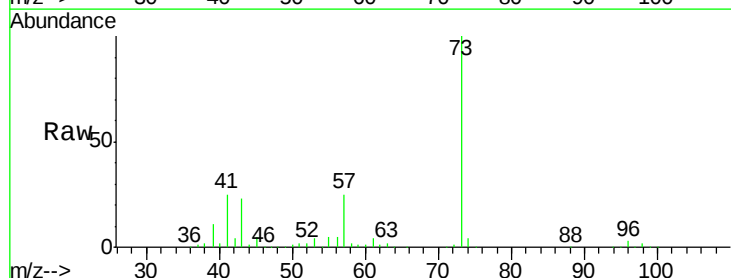
Manual Integrations
APPROVED

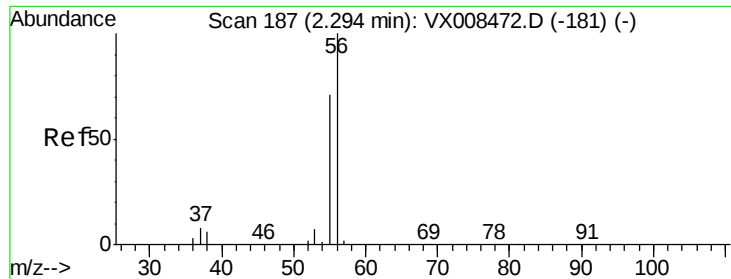
MMDadoda
4/3/2019 10:49:16 AM



#12
Methyl Acetate
Concen: 18.589 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.01 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.9	19.4	29.0





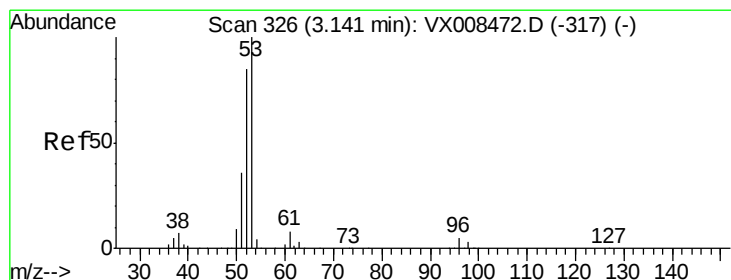
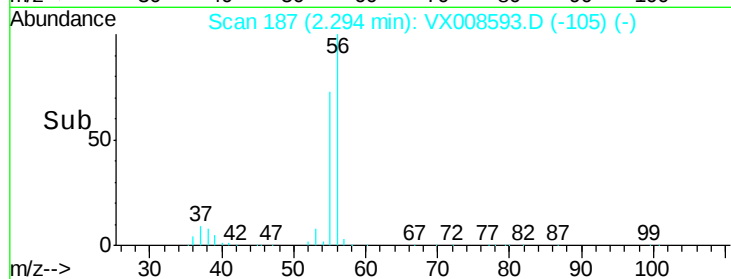
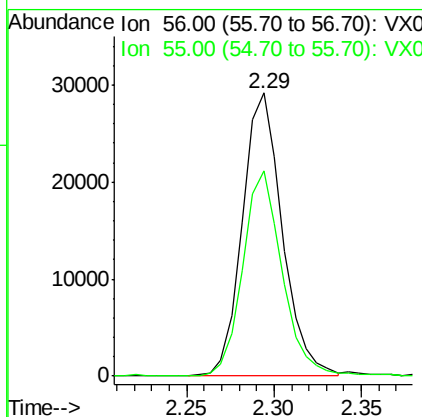
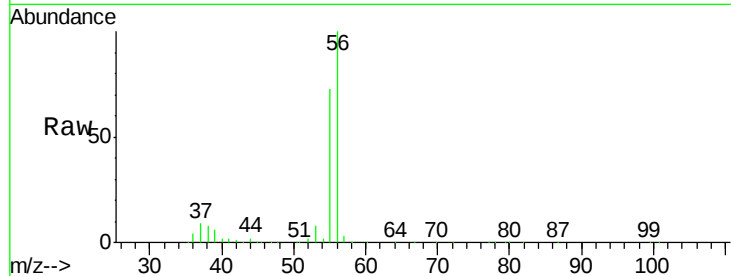
#13
Acrolein
Concen: 93.308 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBSD01

Tot Ion: 56 Resp: 46300
Ion Ratio Lower Upper
56 100
55 71.3 58.6 87.8

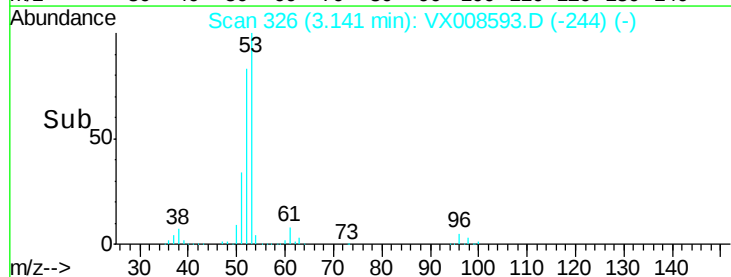
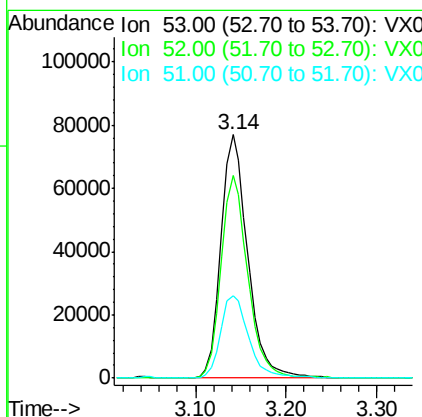
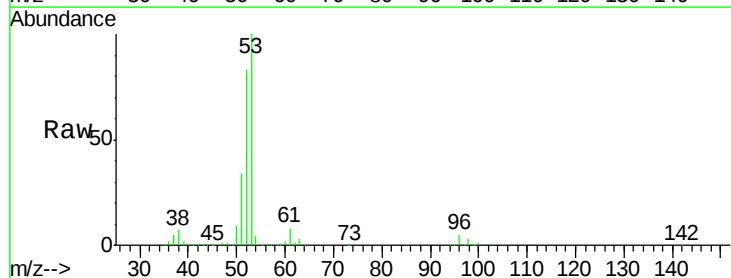
Manual Integrations
APPROVED

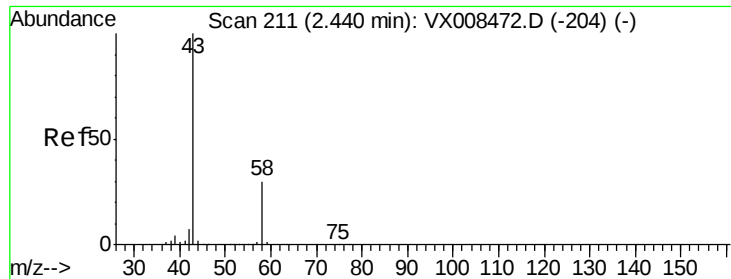
MMDadoda
4/3/2019 10:49:16 AM



#14
Acrylonitrile
Concen: 99.549 ug/l
RT: 3.14 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Tgt Ion: 53 Resp: 159193
Ion Ratio Lower Upper
53 100
52 82.3 41.3 124.1
51 35.6 17.5 52.6





#15

Acetone

Concen: 87.980 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBSD01

Tot Ion: 58 Resp: 43386

Ion Ratio Lower Upper

58 100

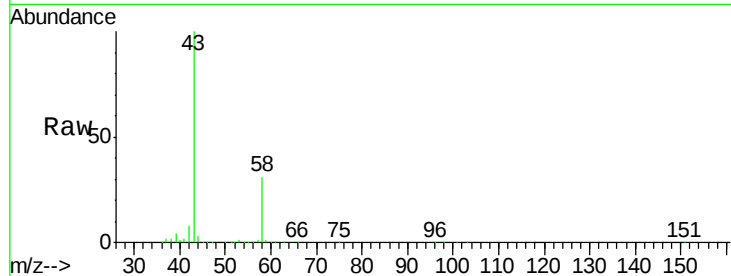
43 319.3 249.8 374.6

Manual Integrations

APPROVED

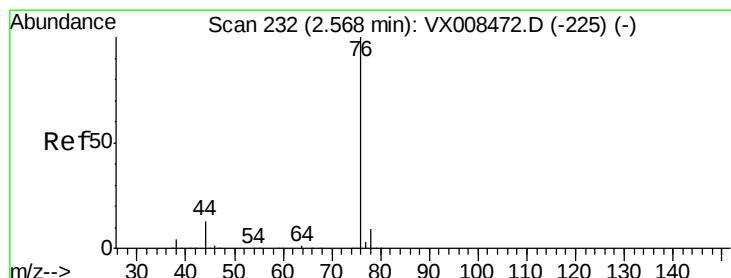
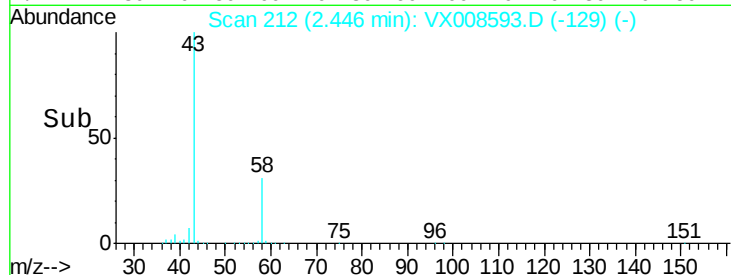
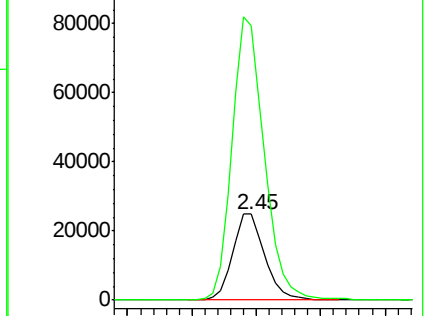
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 17.484 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX008593.D

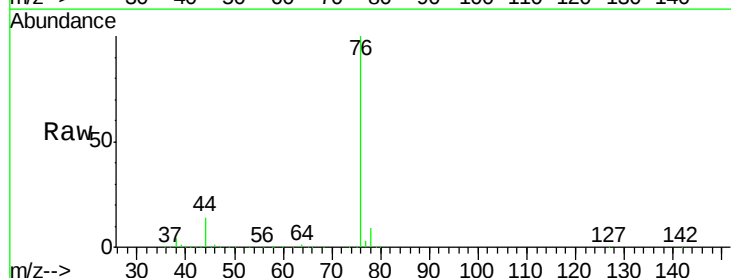
Acq: 02 Apr 2019 14:00

Tgt Ion: 76 Resp: 116072

Ion Ratio Lower Upper

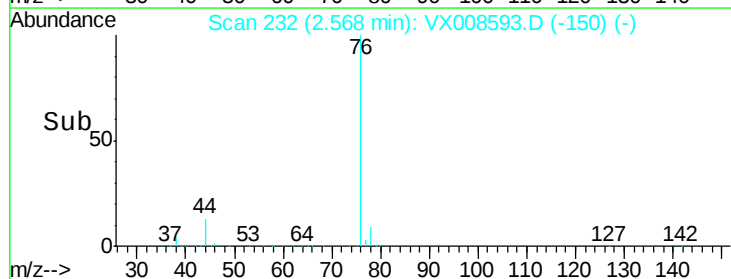
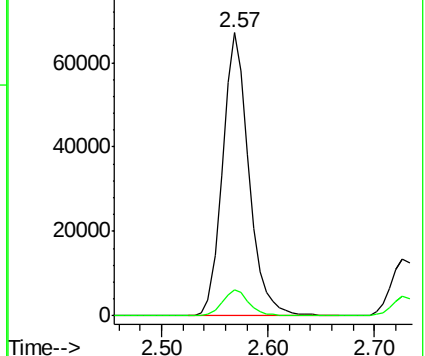
76 100

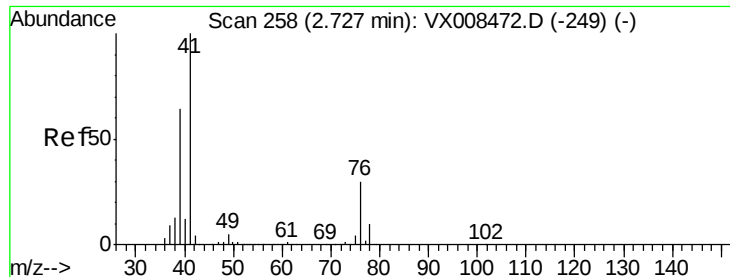
78 9.4 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





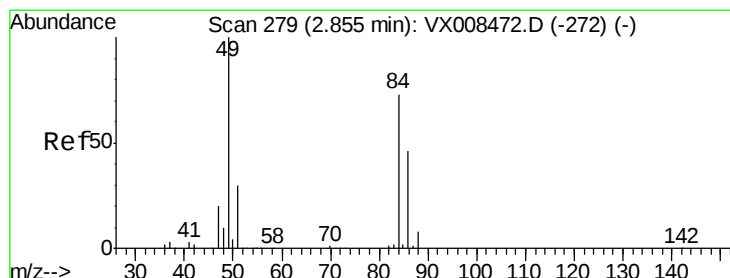
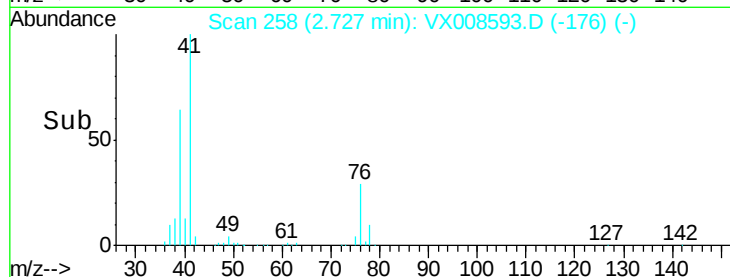
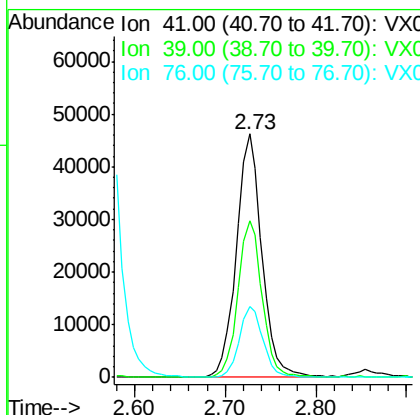
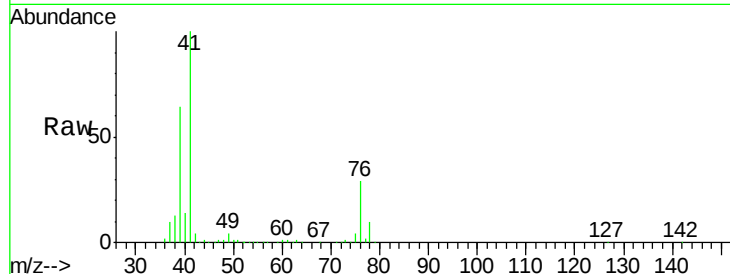
#17
Allvl chloride
Concen: 18.723 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.2	35.8	107.4
76	29.4	18.3	54.9

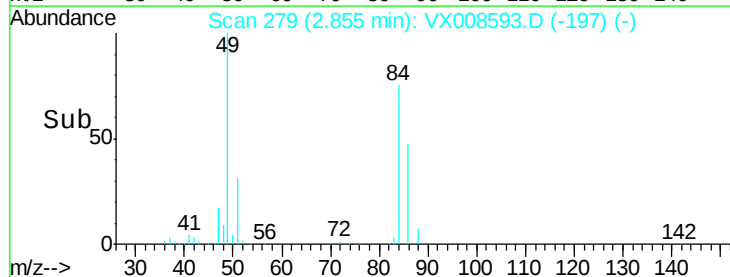
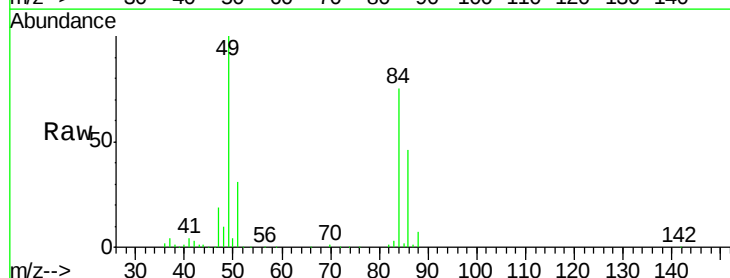
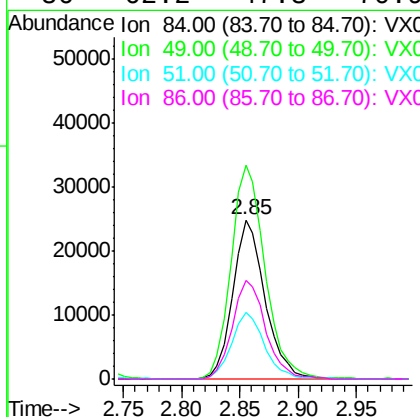
Manual Integrations
APPROVED

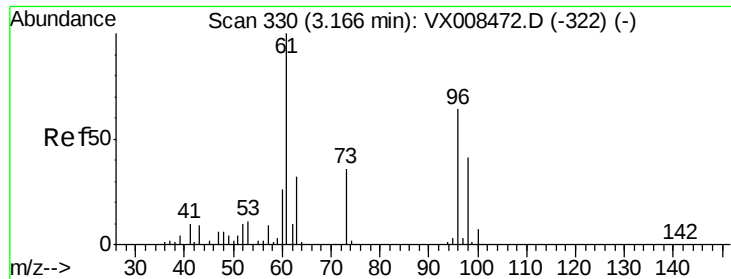
MMDadoda
4/3/2019 10:49:16 AM



#18
Methylene Chloride
Concen: 18.904 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.1	96.1	144.1
51	41.8	29.1	43.7
86	62.2	47.3	70.9





#19

trans-1,2-Dichloroethene

Concen: 18.339 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBSD01

Tot Ion: 96 Resp: 41813

Ion Ratio Lower Upper

96 100

61 152.6 109.9 164.9

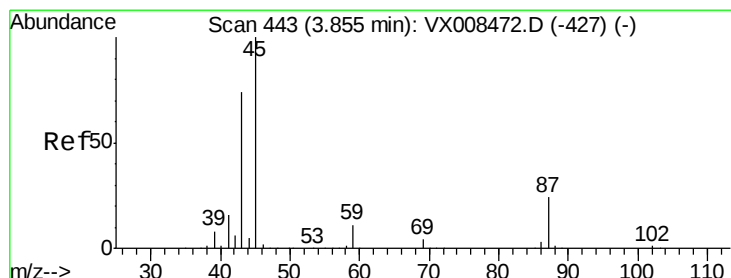
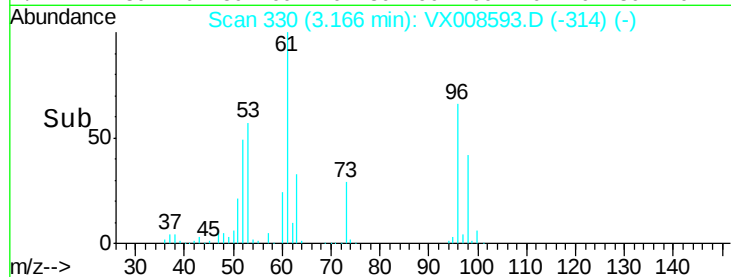
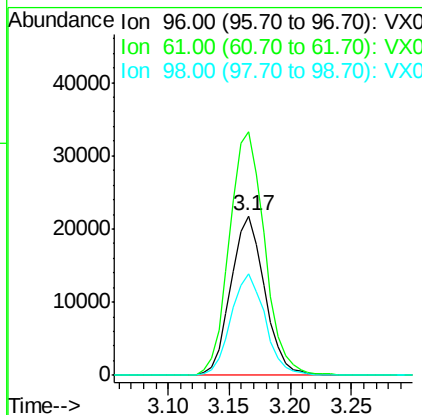
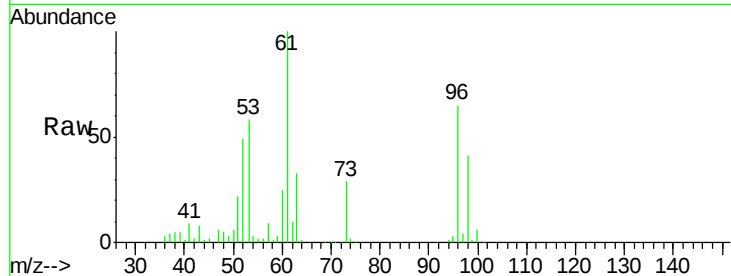
98 63.4 50.4 75.6

Manual Integrations

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MMDadoda

4/3/2019 10:49:16 AM



#20

Diisopropyl ether

Concen: 19.196 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Tgt Ion: 45 Resp: 179199

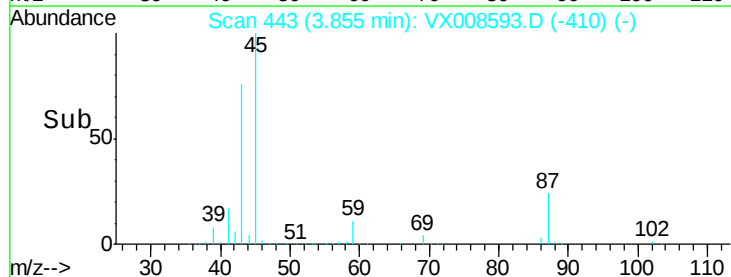
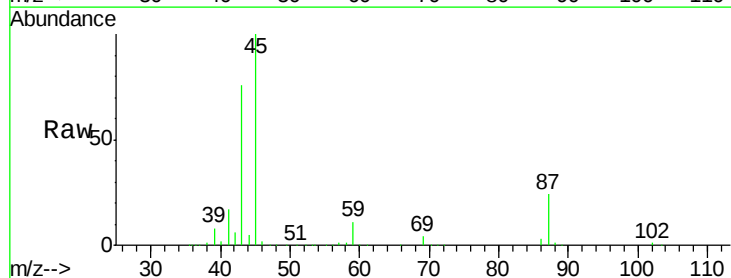
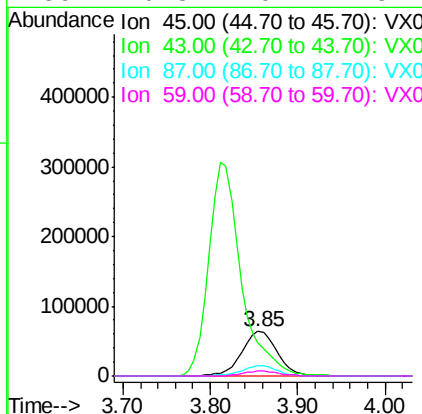
Ion Ratio Lower Upper

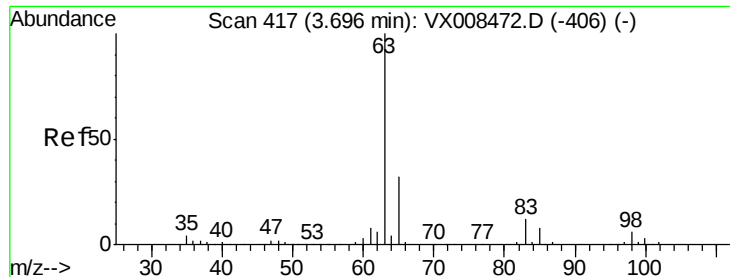
45 100

43 75.4 50.6 76.0

87 23.6 24.5 36.7#

59 10.8 10.2 15.2





#21

1,1-Dichloroethane

Concen: 18.746 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Instrument :

MSVOA_X

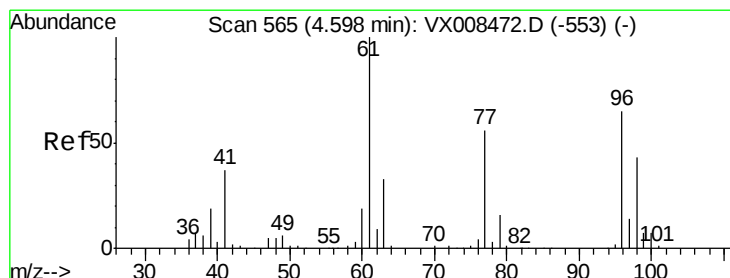
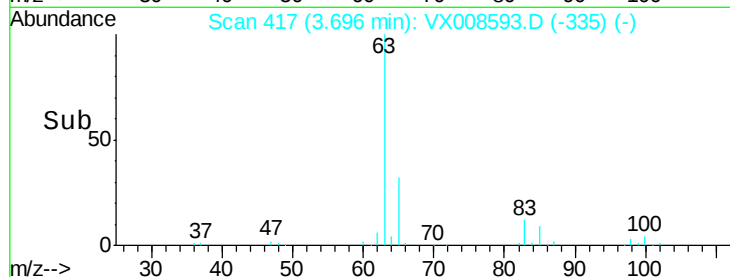
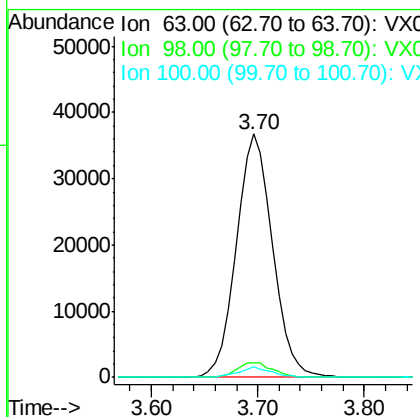
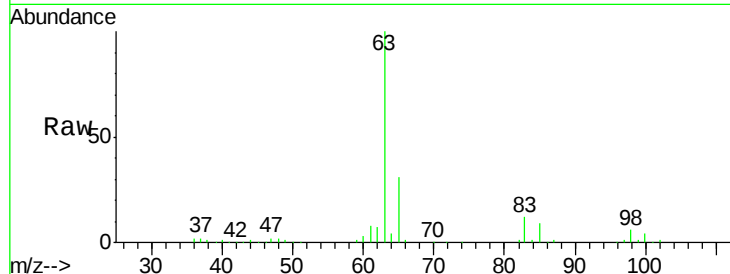
ClientSampleId :

VX0402WBSD01

Tot Ion:	63	Resp:	87839
Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.8	11.4
100	4.3	2.4	7.1

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 18.464 ug/l

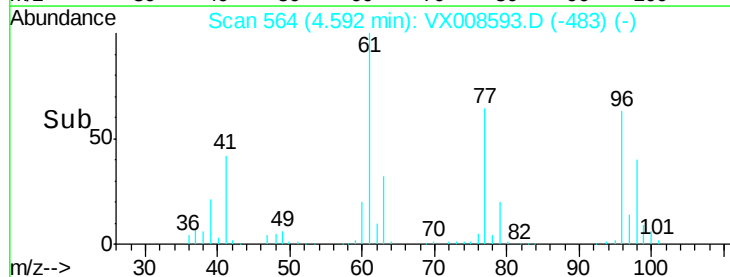
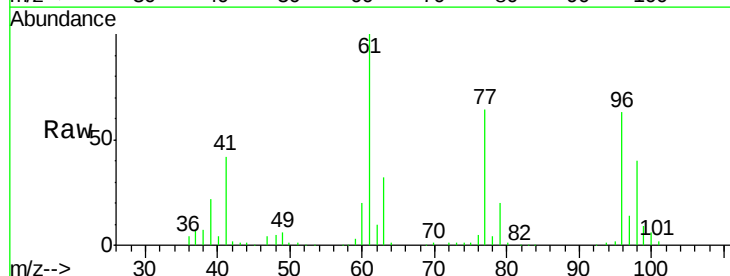
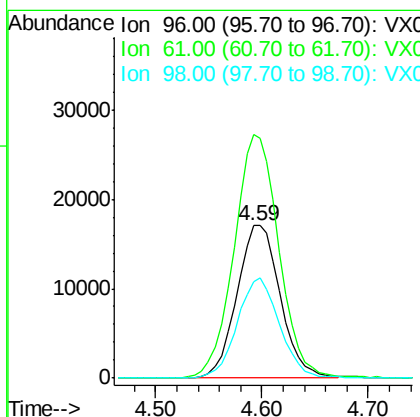
RT: 4.59 min Scan# 564

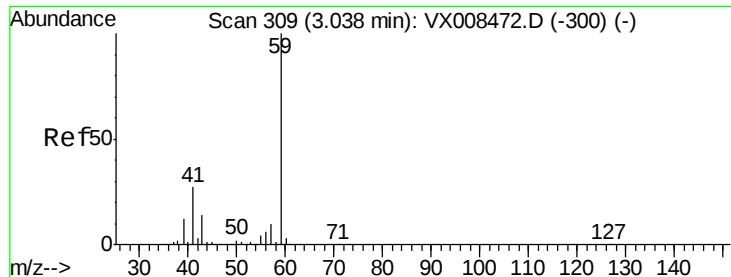
Delta R.T. -0.01 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Tgt Ion:	96	Resp:	48648
Ion	Ratio	Lower	Upper
96	100		
61	164.4	103.5	155.3#
98	63.9	52.1	78.1





#23

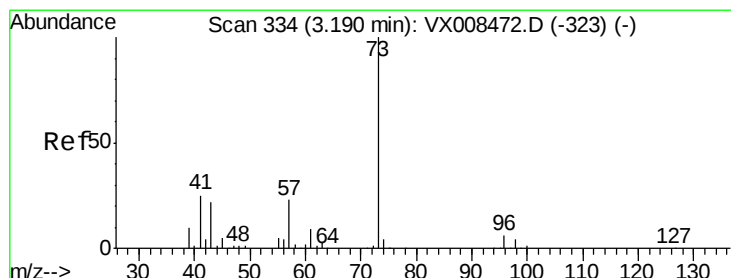
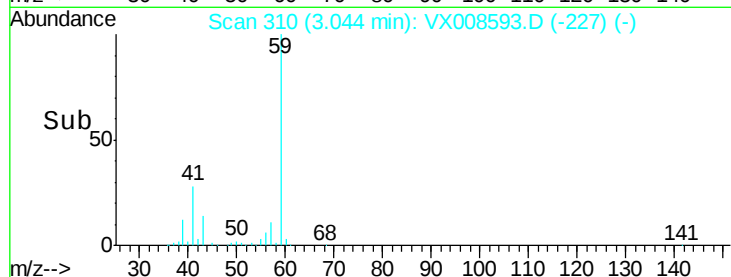
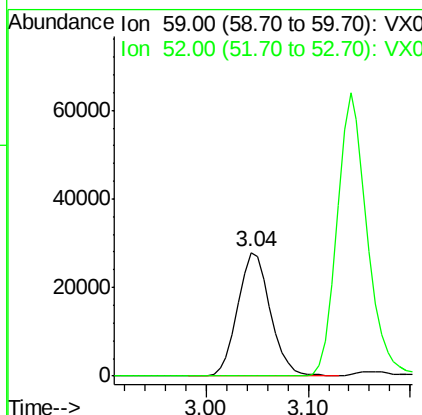
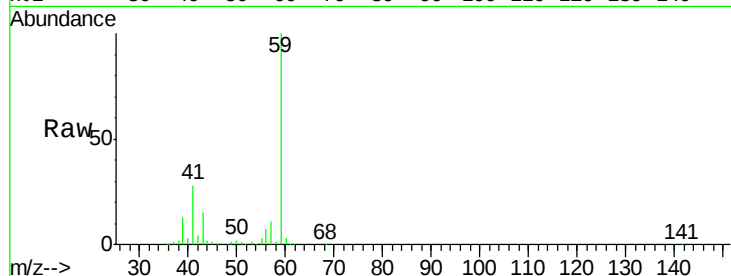
tert-Butyl Alcohol
 Concen: 96.455 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. 0.01 min
 Lab File: VX008593.D
 Acq: 02 Apr 2019 14:00

Instrument :
 MSVOA_X
 ClientSampled :
 VX0402WBSD01

Tot Ion: 59 Resp: 62285
 Ion Ratio Lower Upper
 59 100
 52 0.4 0.2 0.2#

Manual Integrations
 APPROVED

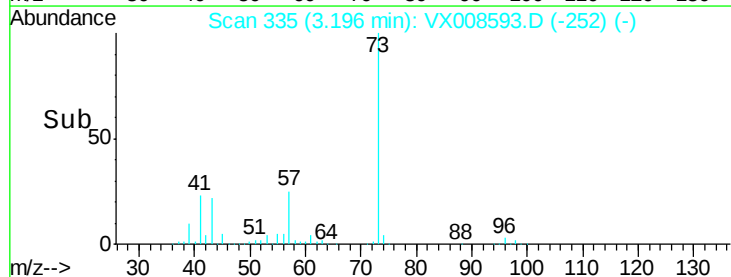
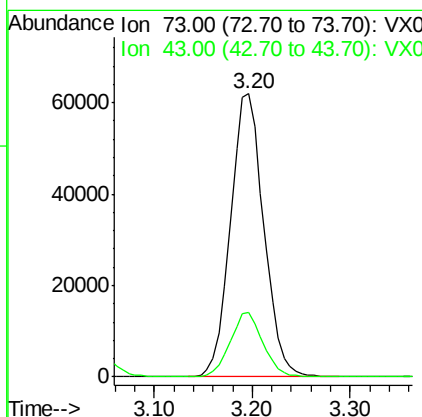
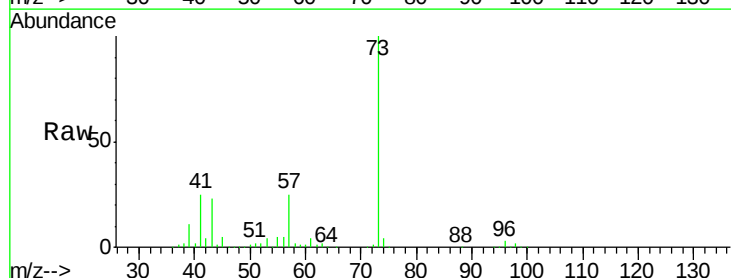
MMDadoda
 4/3/2019 10:49:16 AM

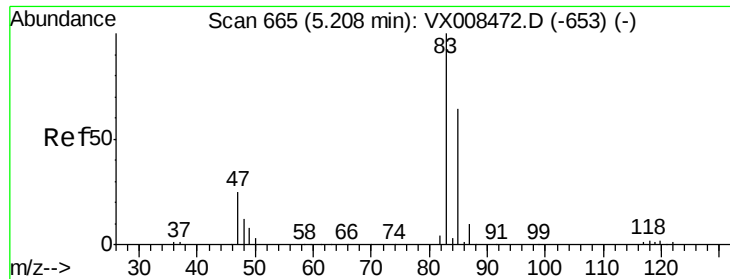


#24

Methyl tert-Butyl Ether
 Concen: 18.647 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.01 min
 Lab File: VX008593.D
 Acq: 02 Apr 2019 14:00

Tgt Ion: 73 Resp: 146250
 Ion Ratio Lower Upper
 73 100
 43 22.0 17.1 25.7





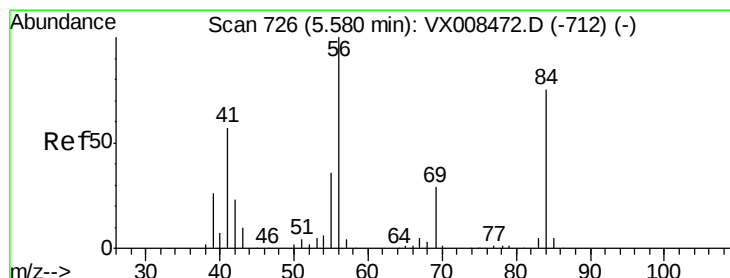
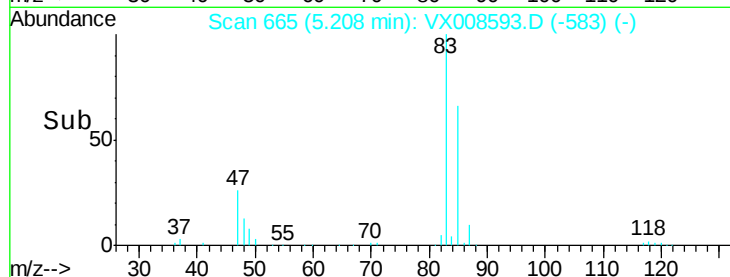
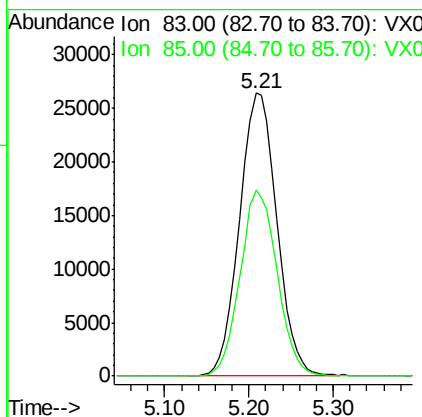
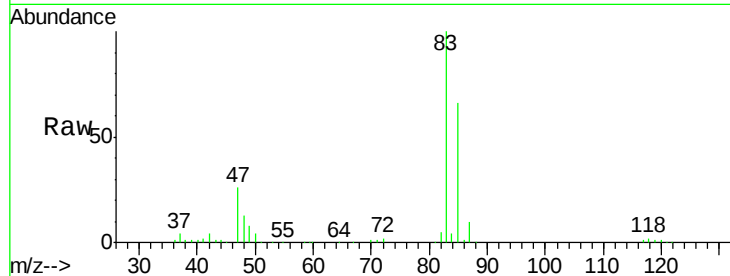
#25
Chloroform
Concen: 18.759 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBSD01

Tot Ion: 83 Resp: 79624
Ion Ratio Lower Upper
83 100
85 65.7 53.8 80.6

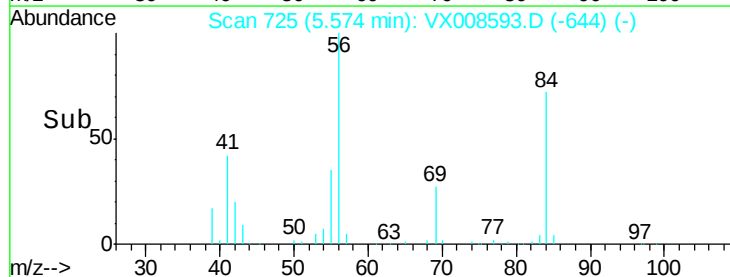
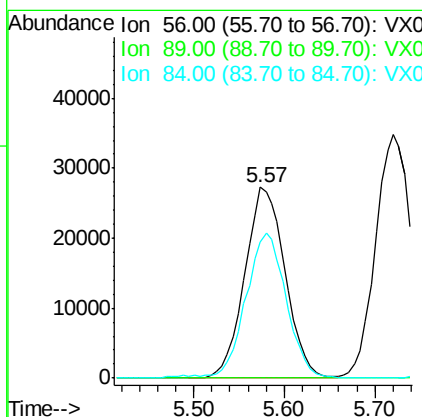
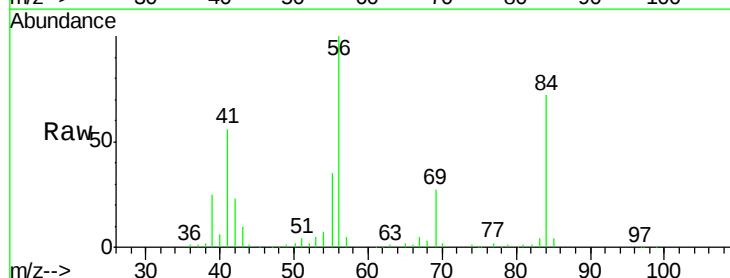
Manual Integrations
APPROVED

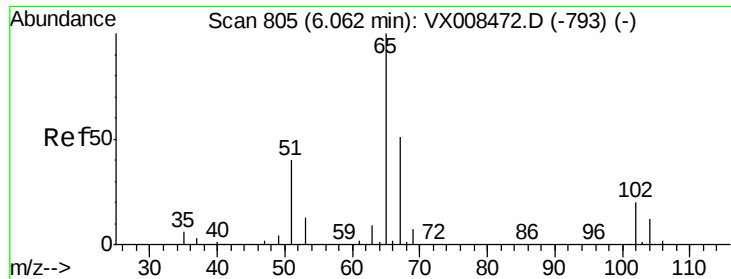
MMDadoda
4/3/2019 10:49:16 AM



#26
Cyclohexane
Concen: 18.318 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Tgt Ion: 56 Resp: 83388
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 75.8 73.9 110.9





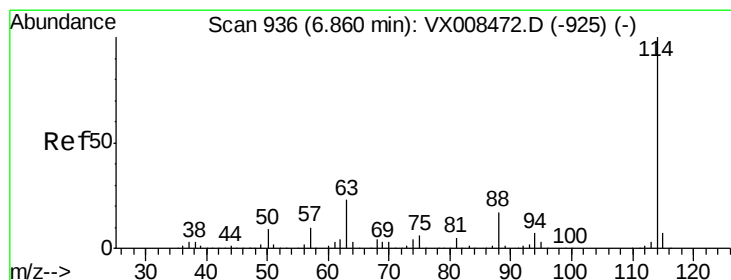
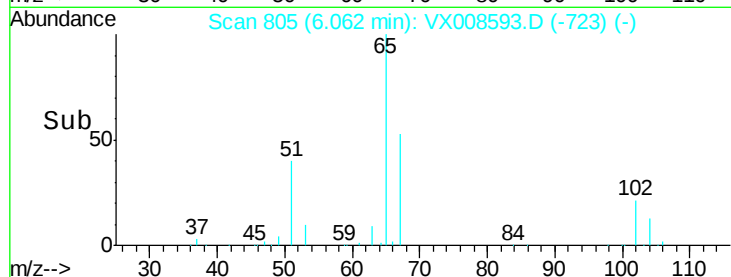
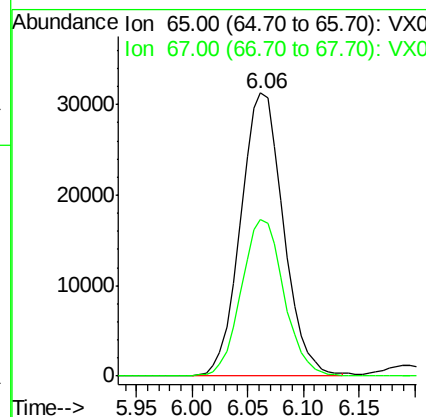
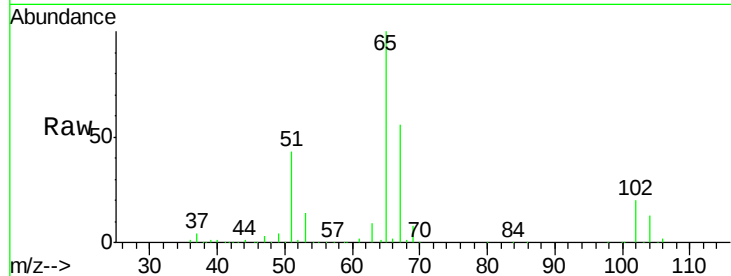
#27
 1,2-Dichloroethane-d4
 Concen: 29.647 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008593.D
 Acq: 02 Apr 2019 14:00

Instrument :
 MSVOA_X
 ClientSampled :
 VX0402WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.1	42.9	64.3

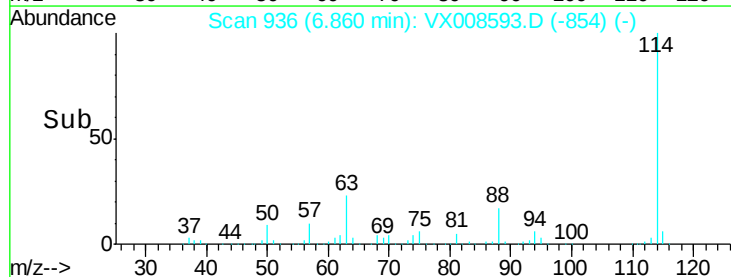
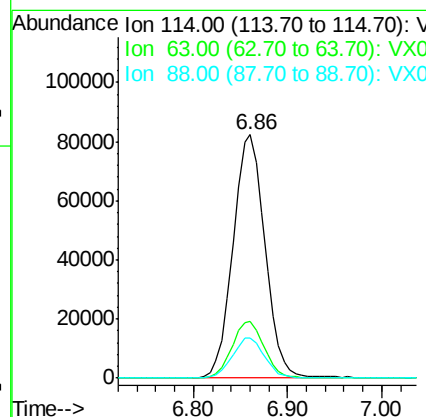
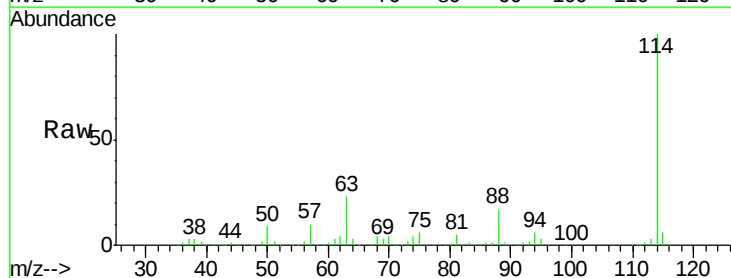
Manual Integrations
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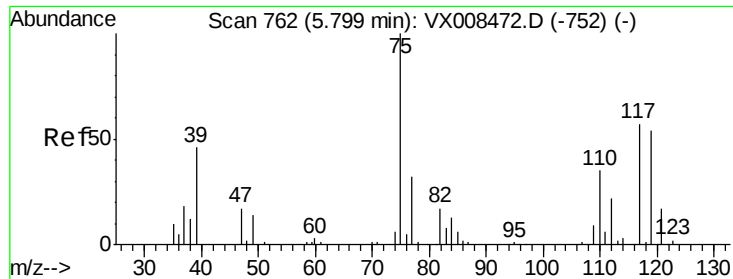
MMDadoda
 4/3/2019 10:49:16 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008593.D
 Acq: 02 Apr 2019 14:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.4	14.2	21.4#
88	16.7	11.9	17.9





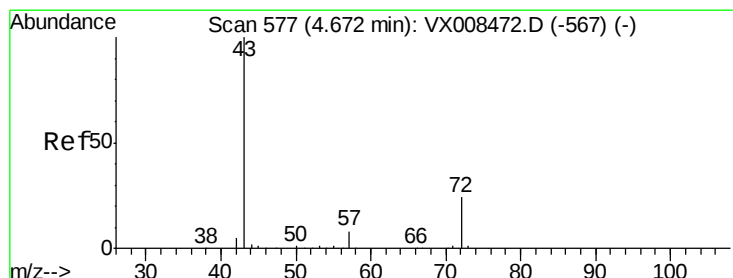
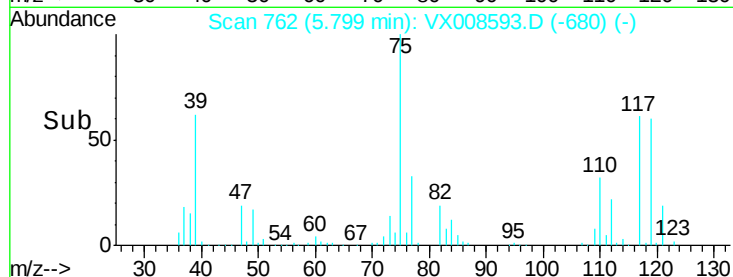
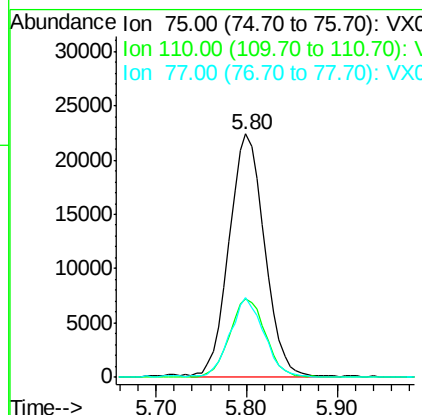
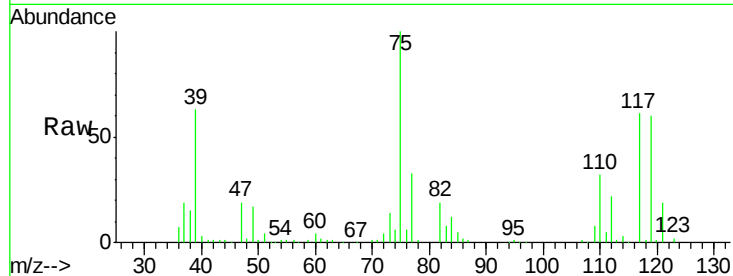
#29
 1,1-Dichloropropene
 Concen: 18.565 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX008593.D
 Acq: 02 Apr 2019 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.8	0.0	80.8
77	31.7	0.0	62.4

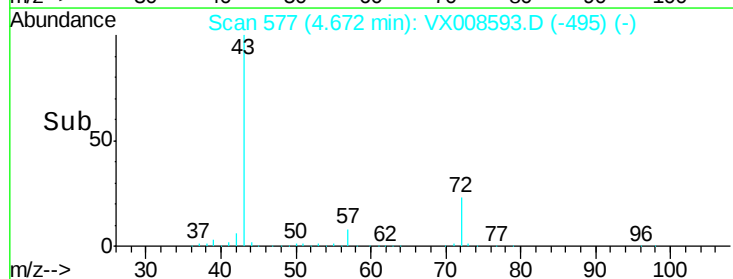
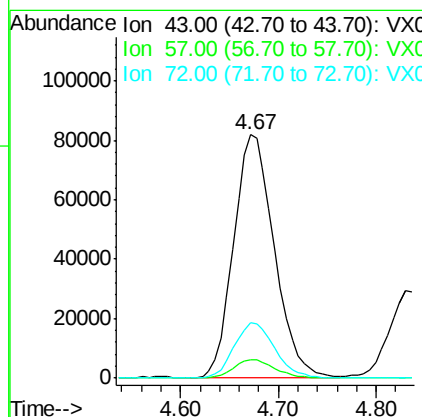
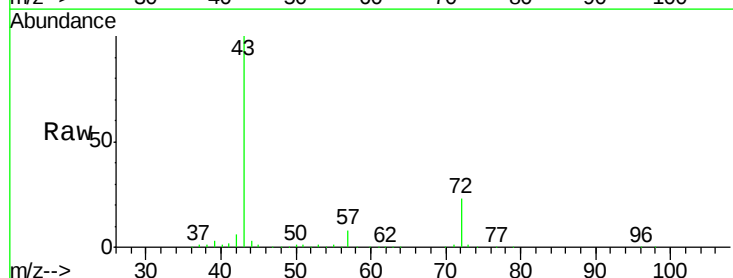
Manual Integrations
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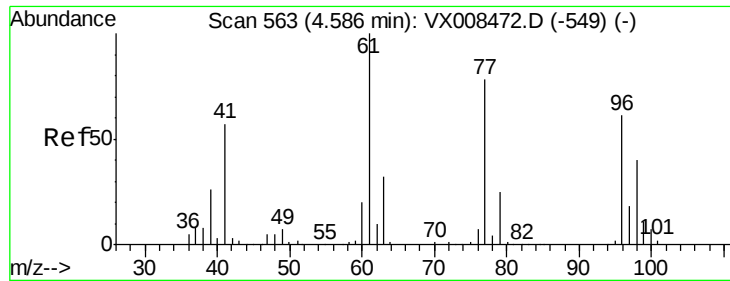
MMDadoda
 4/3/2019 10:49:16 AM



#30
 2-Butanone
 Concen: 97.574 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VX008593.D
 Acq: 02 Apr 2019 14:00

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.6	7.0	10.6
72	22.8	21.5	32.3





#31

2,2-Dichloropropane

Concen: 17.790 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBSD01

Tot Ion: 77 Resp: 58180

Ion Ratio Lower Upper

77 100

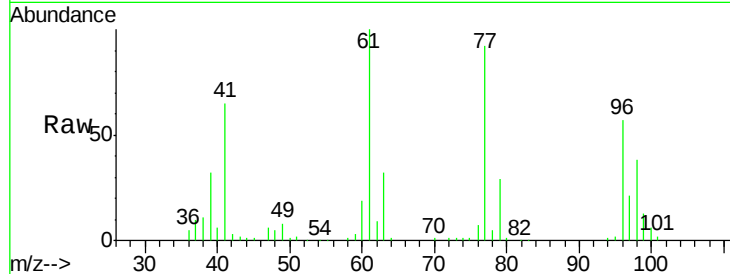
97 22.6 20.6 31.0

Manual Integrations

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Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0

20000

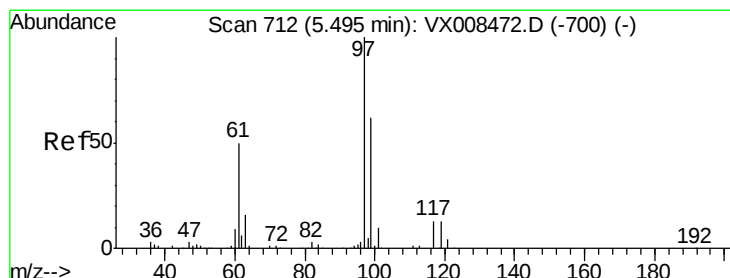
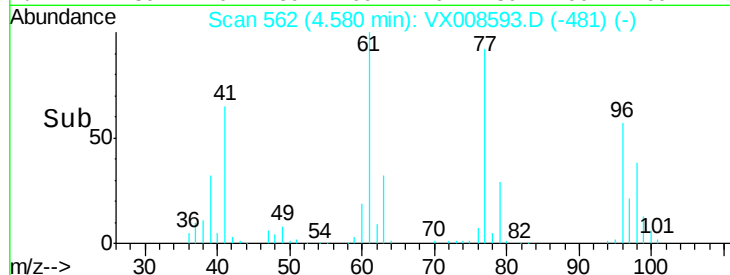
15000

10000

5000

0

Time-->



#32

1,1,1-Trichloroethane

Concen: 18.538 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

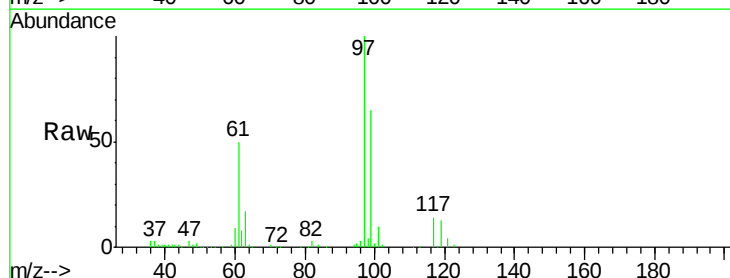
Tgt Ion: 97 Resp: 63034

Ion Ratio Lower Upper

97 100

99 64.2 51.7 77.5

61 49.4 32.8 49.2#



Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

25000

20000

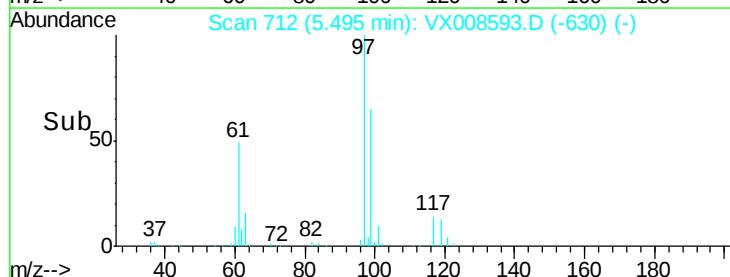
15000

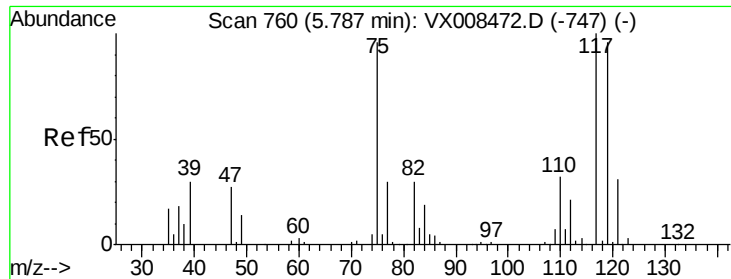
10000

5000

0

Time-->





#33

Carbon Tetrachloride

Concen: 17.960 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Instrument :

MSVOA_X

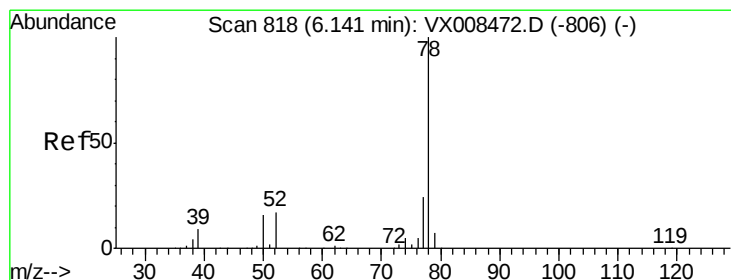
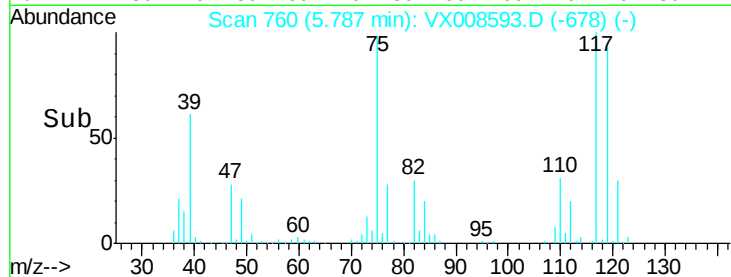
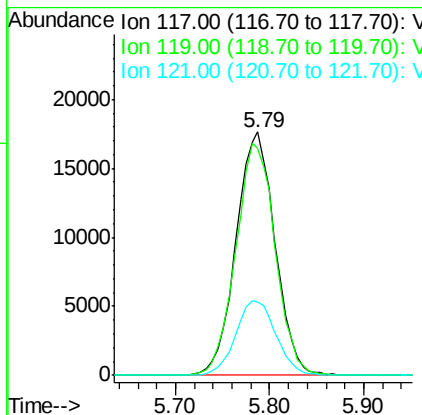
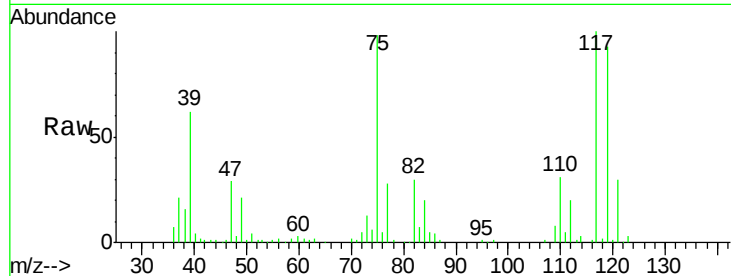
ClientSampleId :

VX0402WBSD01

Tot Ion:	117	Resp:	51096
Ion	Ratio	Lower	Upper
117	100		
119	93.0	78.1	117.1
121	29.9	27.0	40.6

Manual Integrations
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#34

Benzene

Concen: 19.043 ug/l

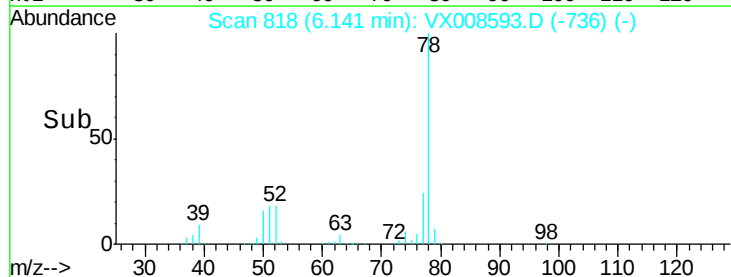
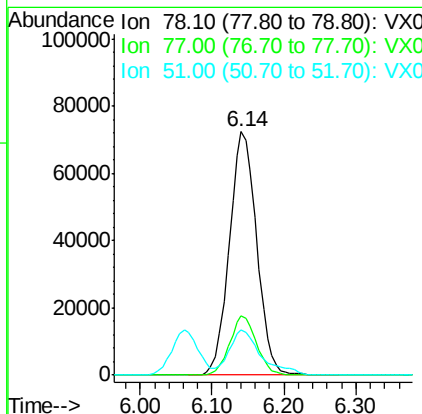
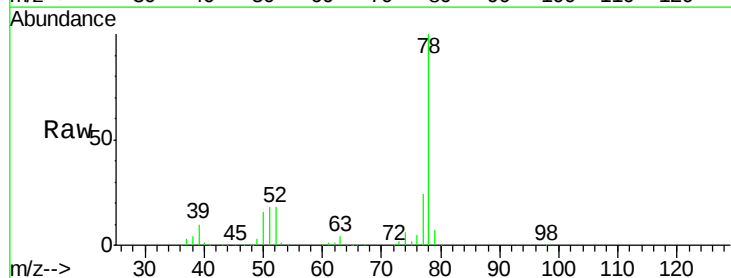
RT: 6.14 min Scan# 818

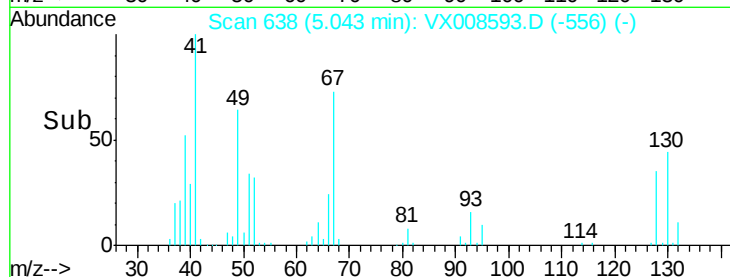
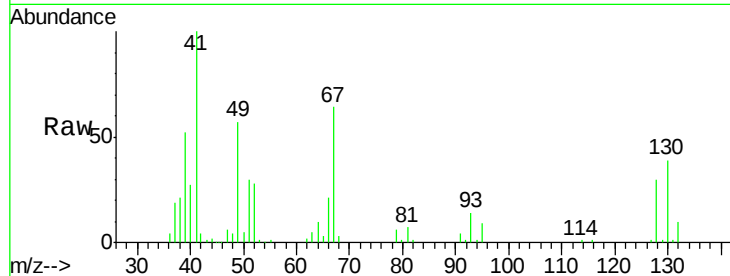
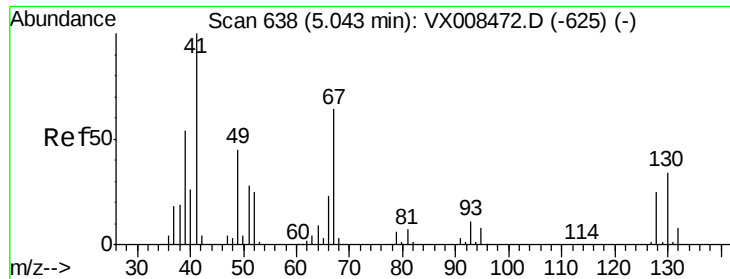
Delta R.T. -0.00 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Tgt Ion:	78	Resp:	190604
Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7
51	18.3	10.8	16.2#





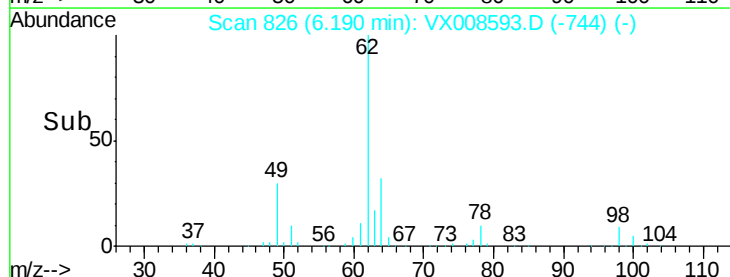
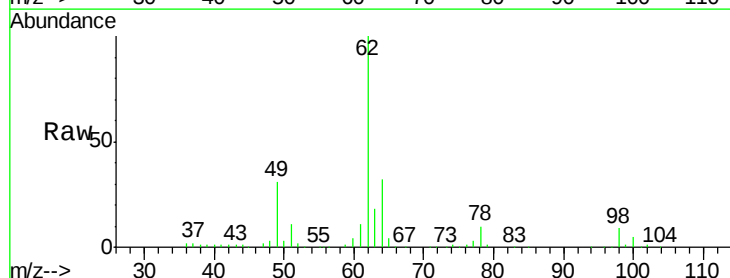
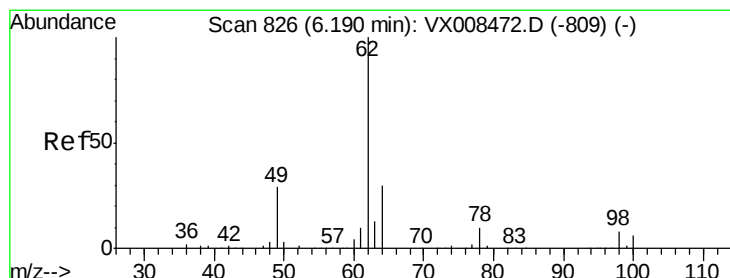
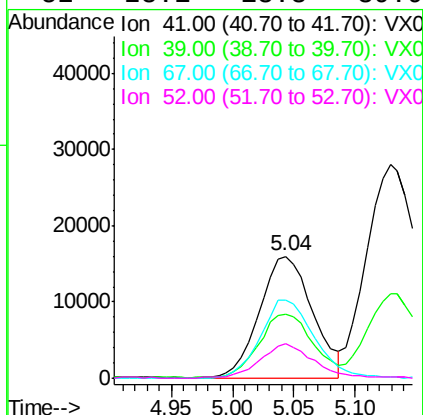
#35
Methacrylonitrile
Concen: 19.583 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.0	27.4	82.0	
67	63.9	37.9	113.6	
52	28.1	13.3	39.9	

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBSD01

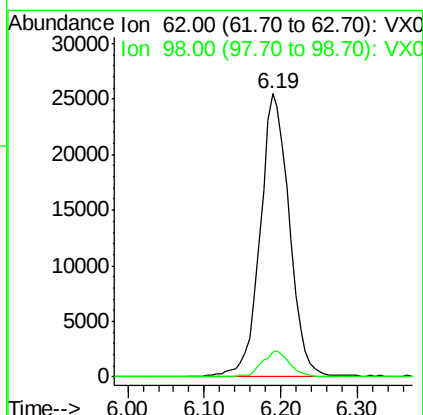
Manual Integrations
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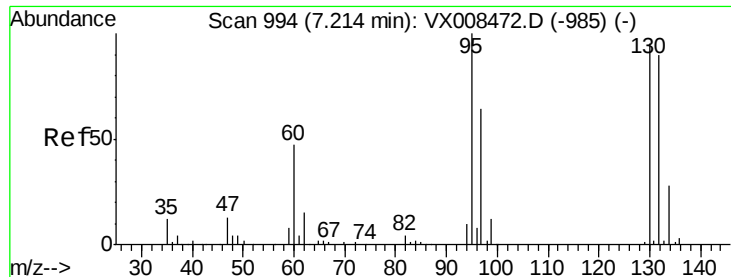
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#36
1,2-Dichloroethane
Concen: 19.037 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	7.8	11.8	





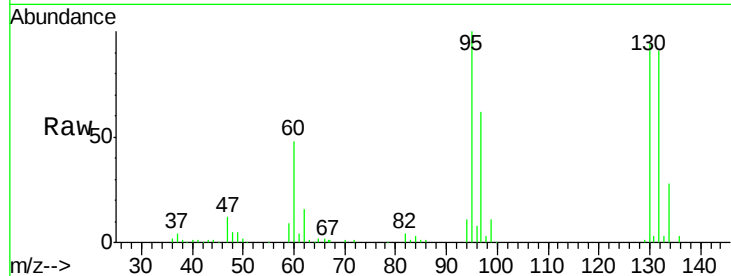
#37
 Trichloroethene
 Concen: 18.405 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008593.D
 Acq: 02 Apr 2019 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBSD01

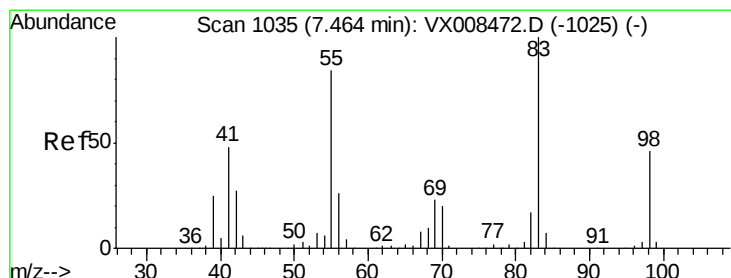
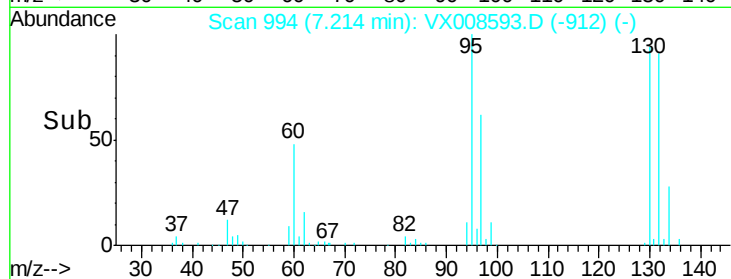
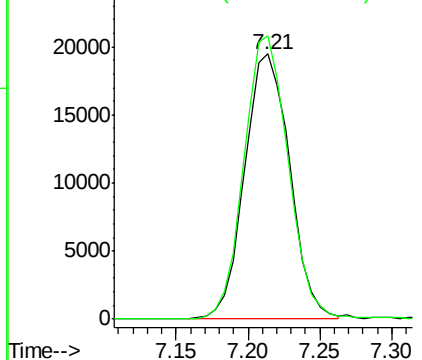
Tot Ion:130 Resp: 42367
 Ion Ratio Lower Upper
 130 100
 95 106.8 71.3 106.9

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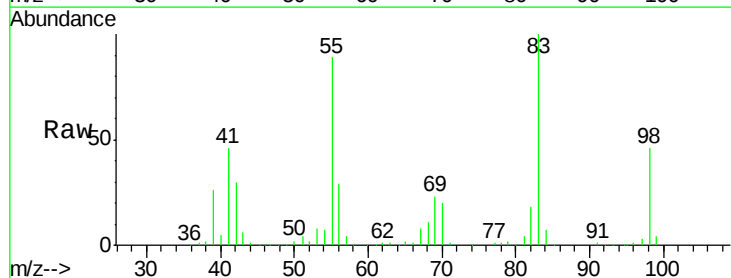


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

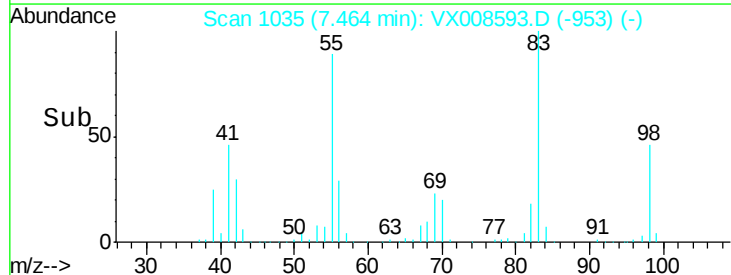
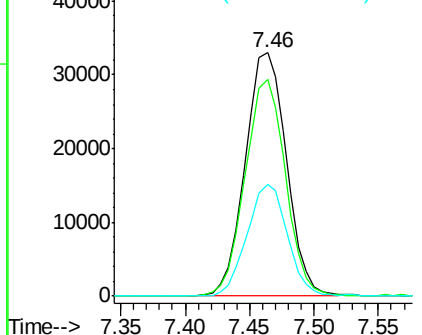


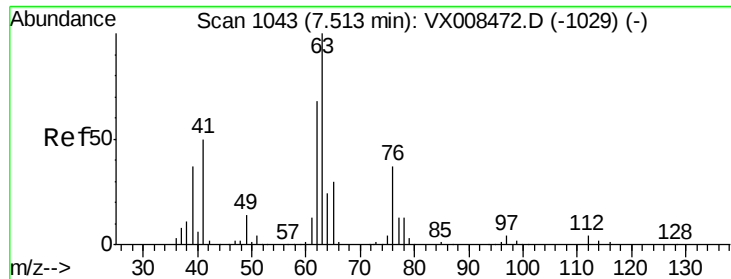
#38
 Methylcyclohexane
 Concen: 17.715 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX008593.D
 Acq: 02 Apr 2019 14:00

Tgt Ion: 83 Resp: 73092
 Ion Ratio Lower Upper
 83 100
 55 87.4 36.0 108.0
 98 45.0 23.8 71.4



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0





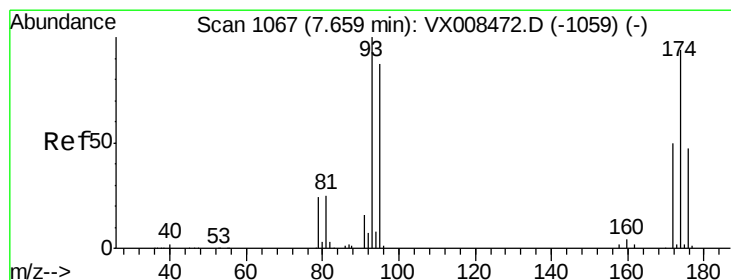
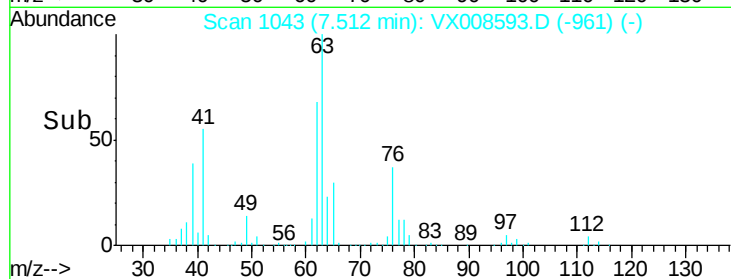
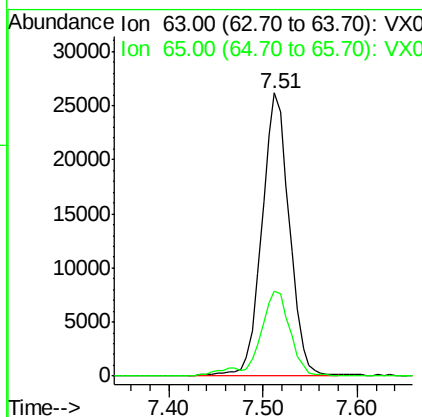
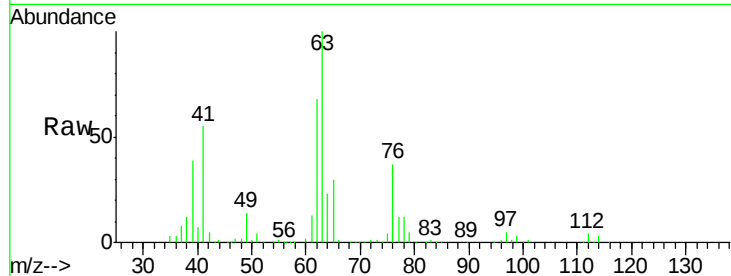
#39
 1,2-Dichloropropane
 Concen: 18.953 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008593.D
 Acq: 02 Apr 2019 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBSD01

Tot Ion: 63 Resp: 53806
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.6 37.0

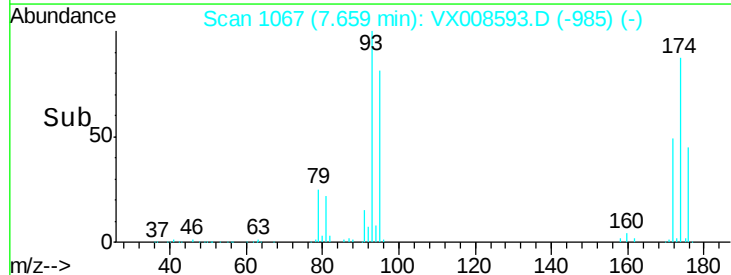
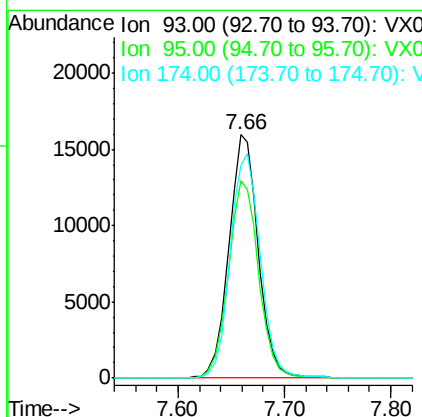
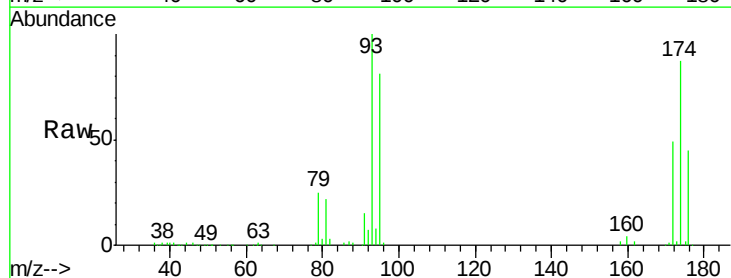
Manual Integrations
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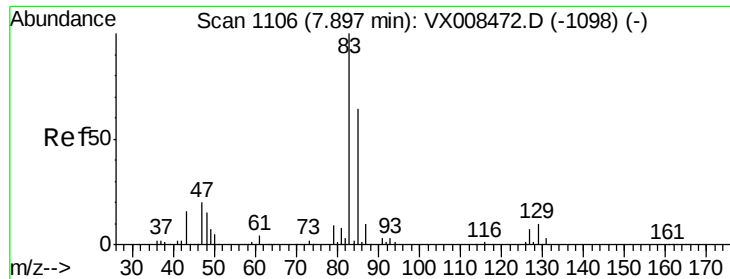
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#40
 Dibromomethane
 Concen: 18.766 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008593.D
 Acq: 02 Apr 2019 14:00

Tgt Ion: 93 Resp: 30863
 Ion Ratio Lower Upper
 93 100
 95 83.4 0.0 158.8
 174 94.7 0.0 224.2





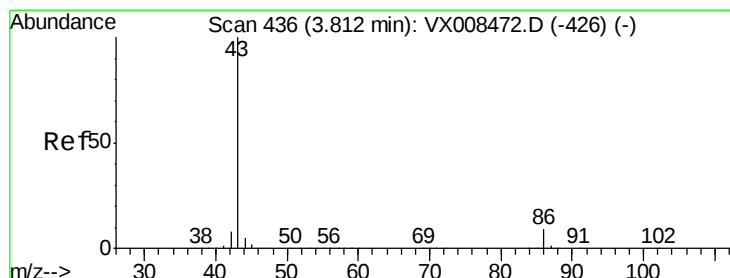
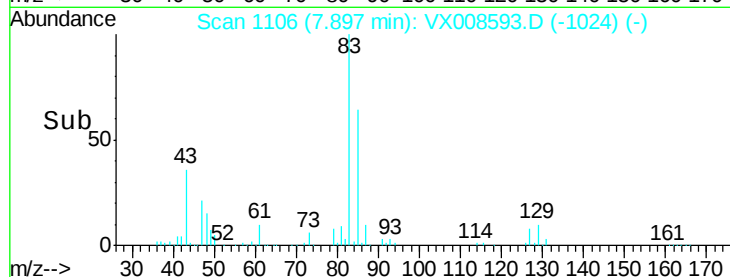
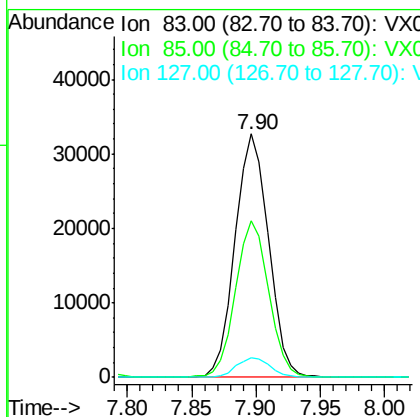
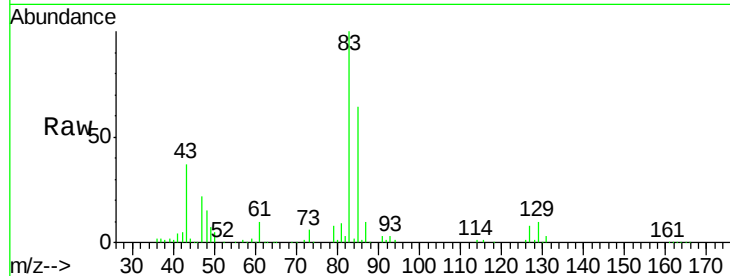
#41
Bromodichloromethane
Concen: 18.263 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBSD01

Tot Ion	83	Resp	59057
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	51.1	76.7
127	7.8	7.2	10.8

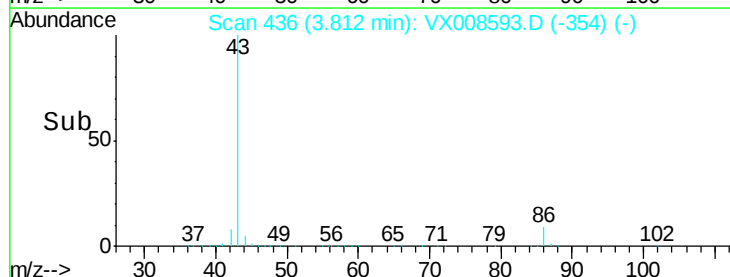
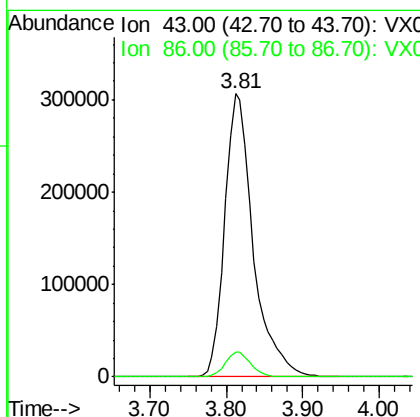
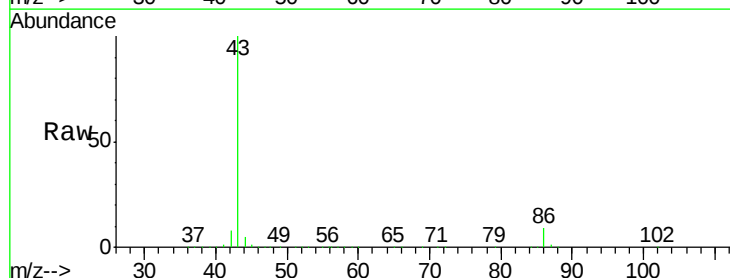
Manual Integrations
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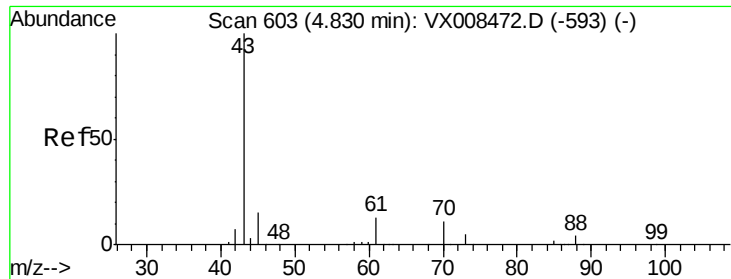
MMDadoda
4/3/2019 10:49:16 AM



#42
Vinyl Acetate
Concen: 96.823 ug/l
RT: 3.81 min Scan# 436
Delta R.T. -0.00 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Tgt Ion	43	Resp	790310
Ion Ratio	100	Lower	Upper
43	100		
86	7.7	8.2	12.2#





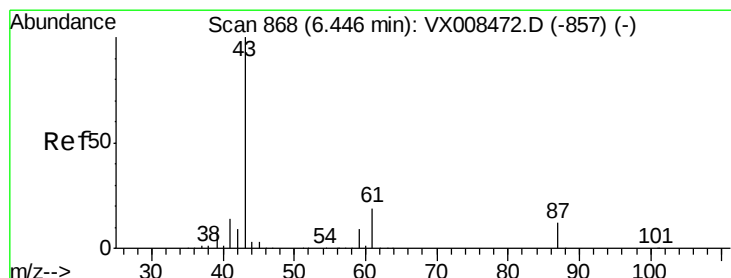
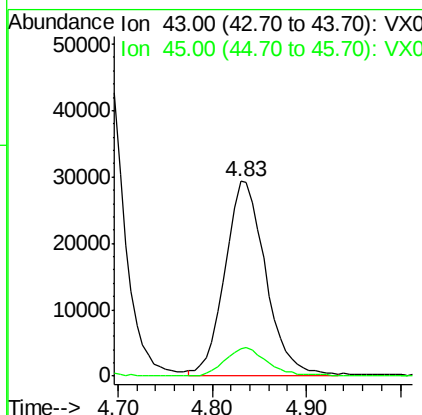
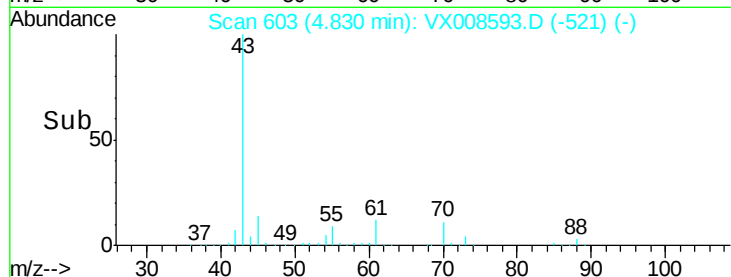
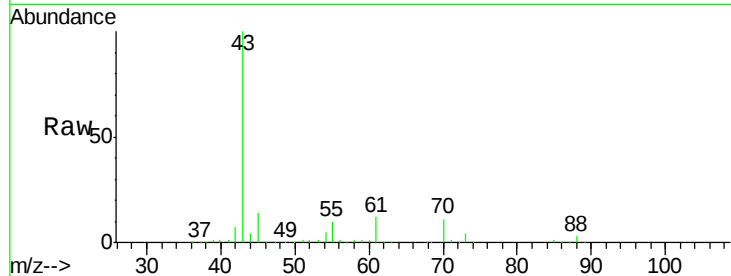
#43
Ethyl Acetate
Concen: 20.242 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBSD01

Tot Ion: 43 Resp: 87724
Ion Ratio Lower Upper
43 100
45 15.1 6.9 10.3#

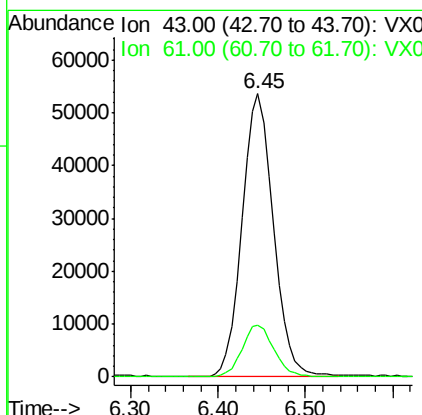
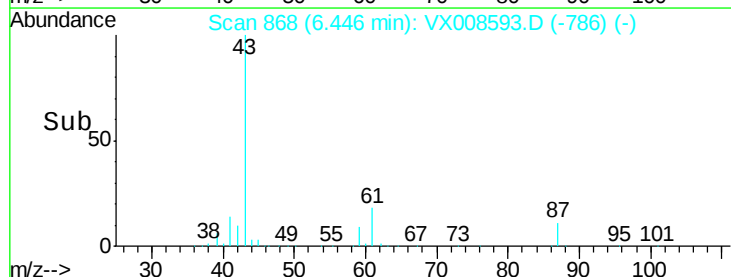
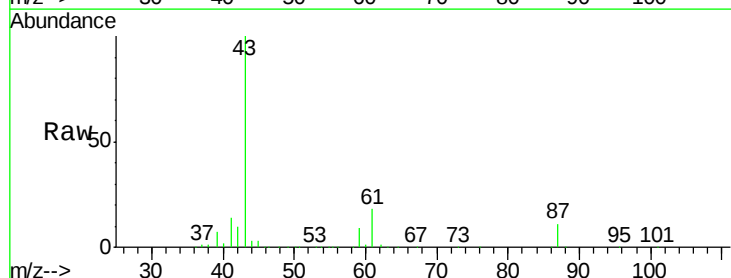
Manual Integrations
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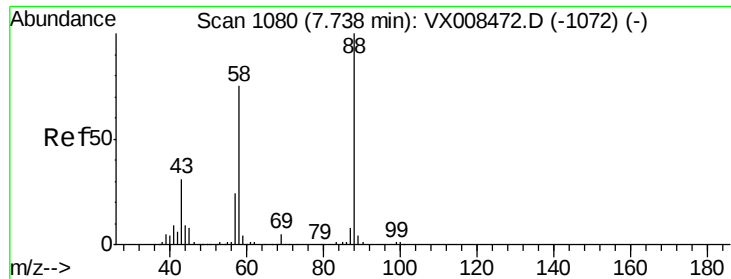
MMDadoda
4/3/2019 10:49:16 AM



#44
Isopropyl Acetate
Concen: 18.987 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Tgt Ion: 43 Resp: 133053
Ion Ratio Lower Upper
43 100
61 18.8 16.1 24.1





#45

1,4-Dioxane

Concen: 394.365 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Instrument :

MSVOA_X

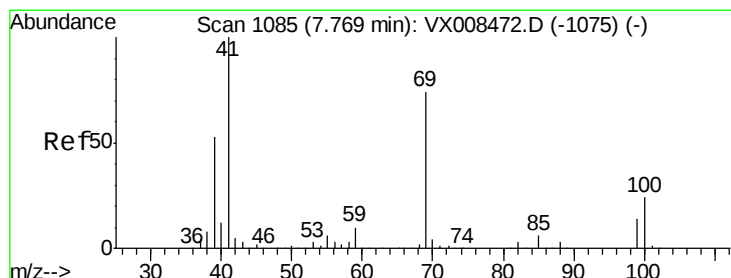
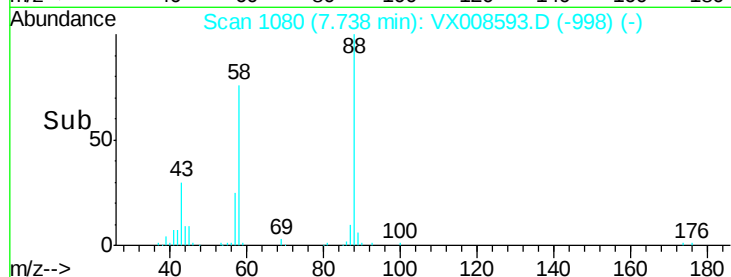
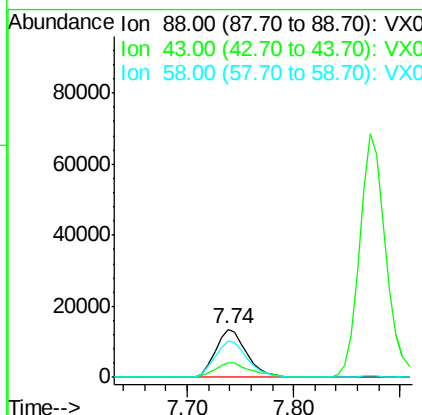
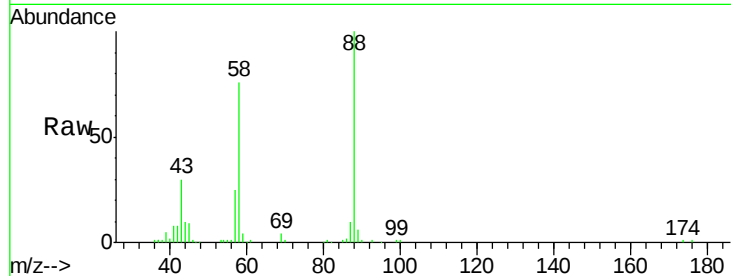
ClientSampleId :

VX0402WBSD01

Tot Ion:	88	Resp:	27511
Ion	Ratio	Lower	Upper
88	100		
43	35.4	23.6	35.4#
58	79.4	51.6	77.4#

Manual Integrations
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MMDadoda
4/3/2019 10:49:16 AM



#46

Methyl methacrylate

Concen: 19.055 ug/l

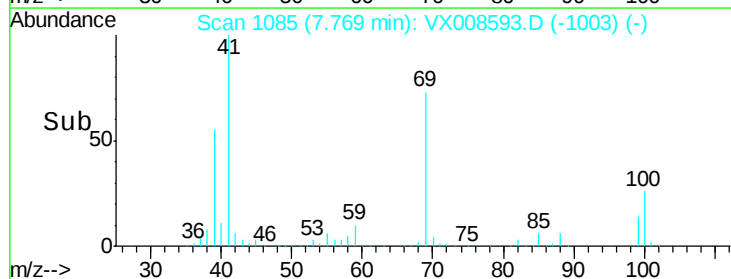
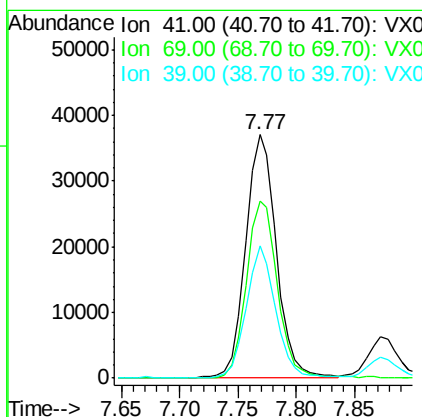
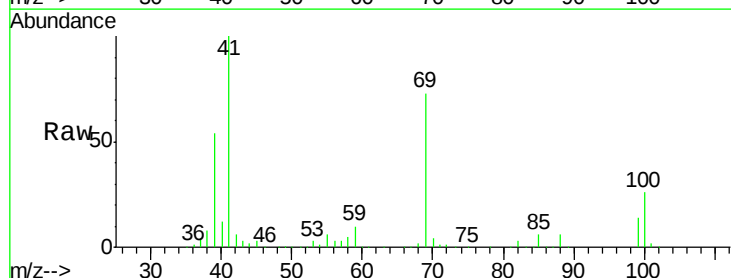
RT: 7.77 min Scan# 1085

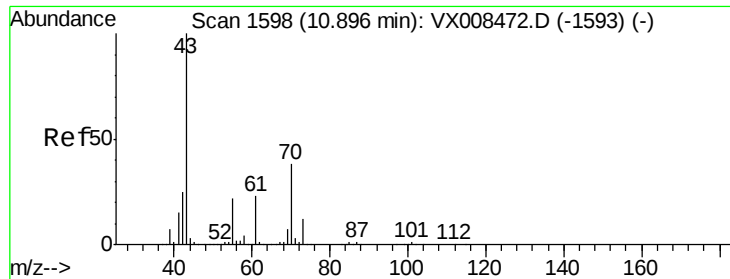
Delta R.T. -0.00 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Tgt Ion:	41	Resp:	67820
Ion	Ratio	Lower	Upper
41	100		
69	72.7	44.2	132.6
39	54.2	29.9	89.8





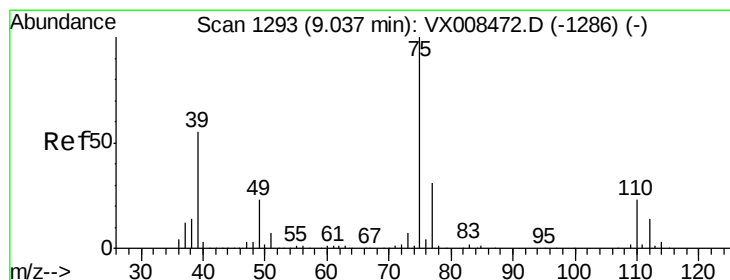
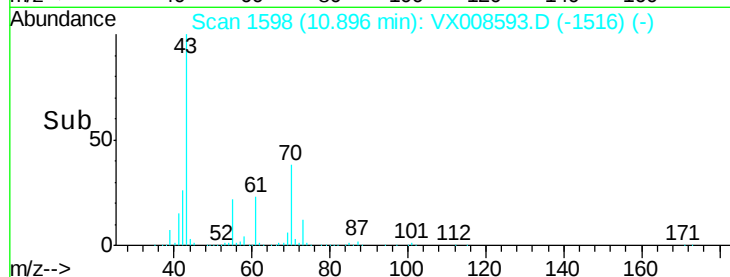
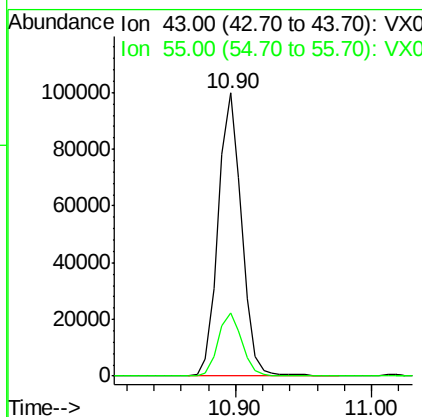
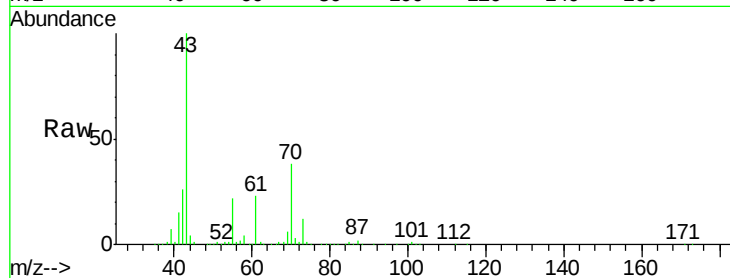
#47
n-amvl Acetate
Concen: 18.685 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBSD01

Tot Ion: 43 Resp: 118942
Ion Ratio Lower Upper
43 100
55 23.1 20.8 31.2

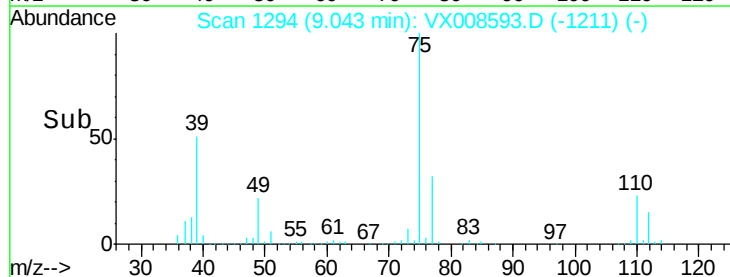
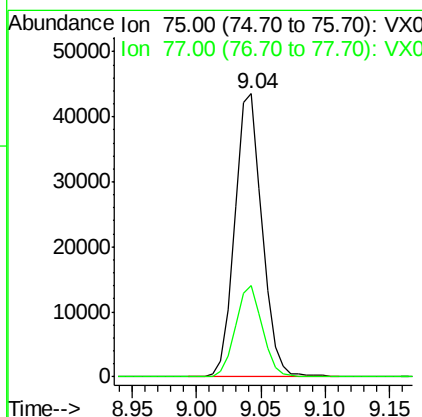
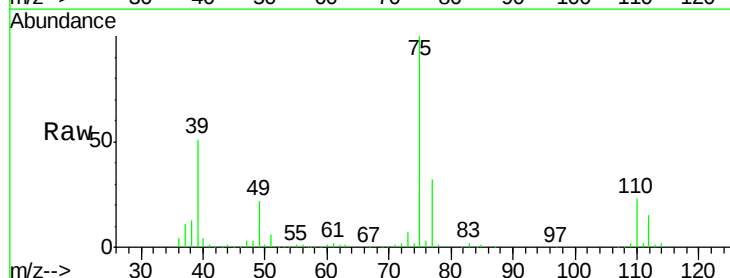
Manual Integrations
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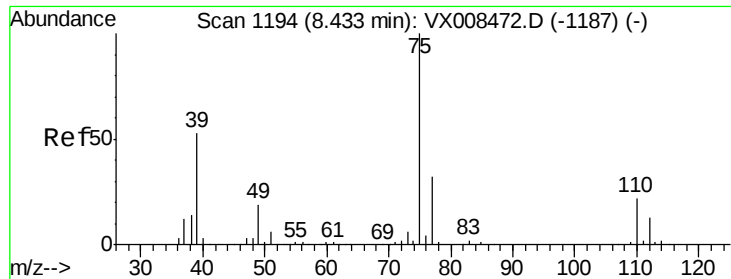
MMDadoda
4/3/2019 10:49:16 AM



#48
t-1,3-Dichloropropene
Concen: 17.609 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Tgt Ion: 75 Resp: 64317
Ion Ratio Lower Upper
75 100
77 32.0 24.5 36.7





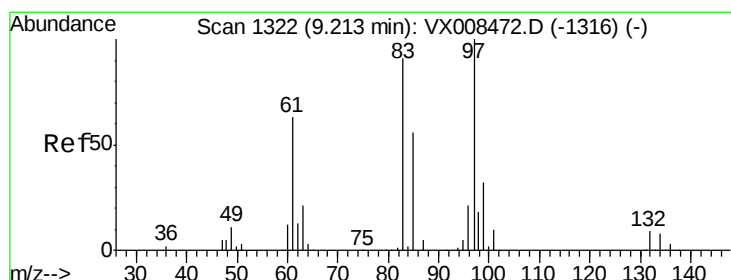
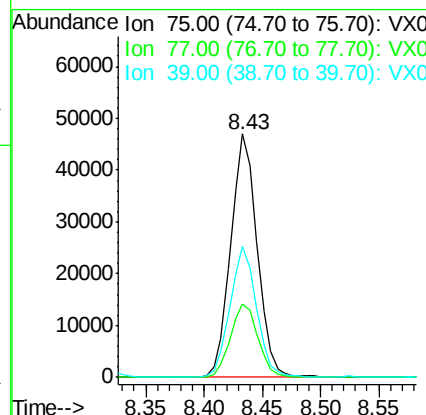
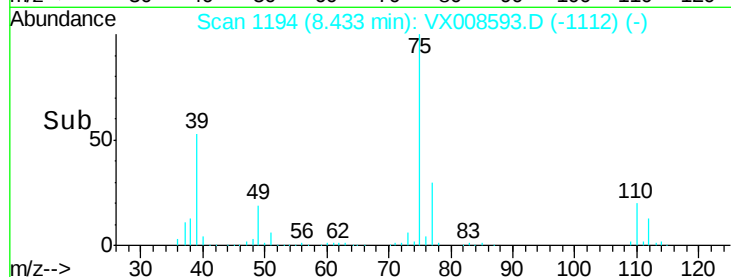
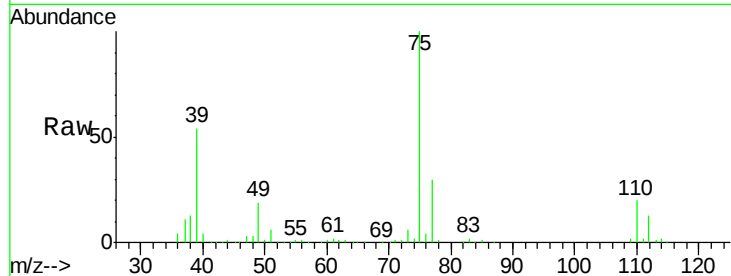
#49
 cis-1,3-Dichloropropene
 Concen: 18.176 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008593.D
 Acq: 02 Apr 2019 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBSD01

Tot Ion:	75	Resp:	74257
Ion Ratio	Lower	Upper	
75	100		
77	30.1	25.0	37.4
39	53.4	38.5	57.7

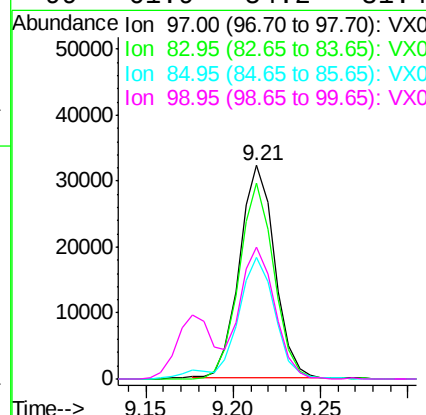
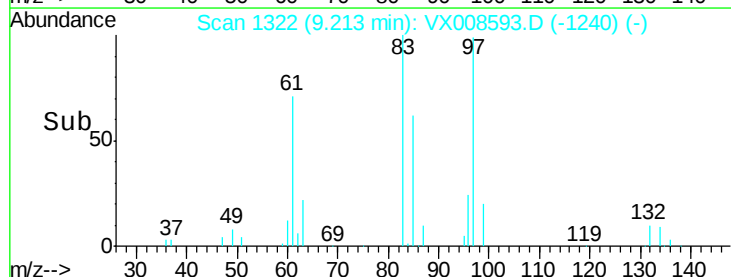
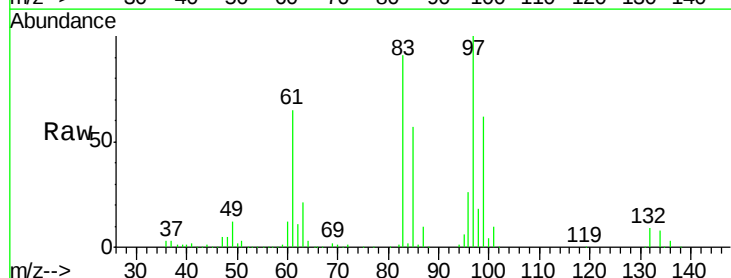
Manual Integrations
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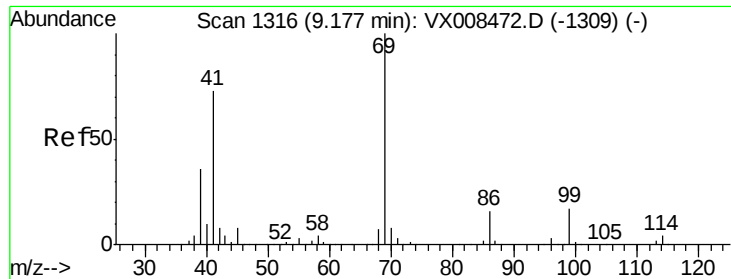
MMDadoda
 4/3/2019 10:49:16 AM



#50
 1,1,2-Trichloroethane
 Concen: 18.587 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008593.D
 Acq: 02 Apr 2019 14:00

Tgt Ion:	97	Resp:	45389
Ion Ratio	Lower	Upper	
97	100		
83	91.6	72.0	108.0
85	57.0	45.0	67.6
99	61.9	54.2	81.4





#51

Ethyl methacrylate

Concen: 18.251 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Instrument :

MSVOA_X

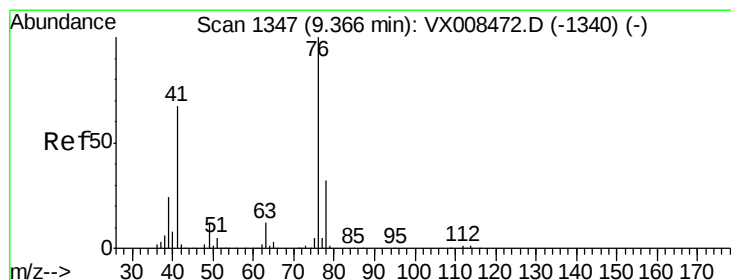
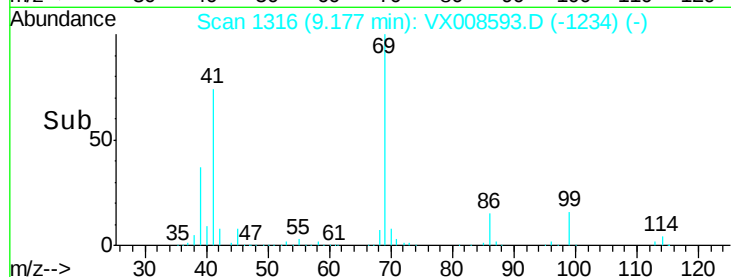
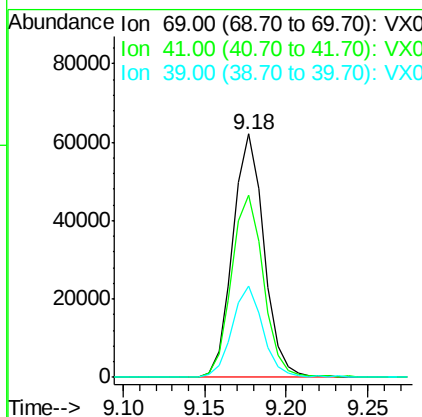
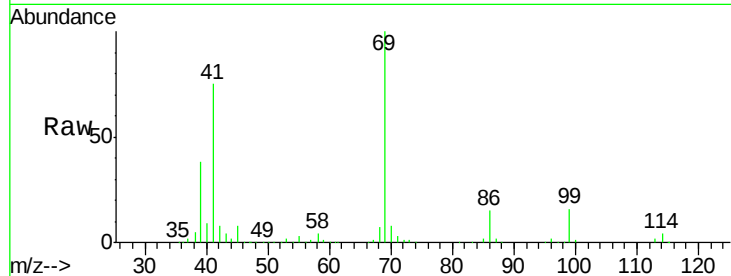
ClientSampled :

VX0402WBSD01

Tot Ion:	69	Resp:	82938
Ion	Ratio	Lower	Upper
69	100		
41	74.5	32.1	96.5
39	37.4	18.8	56.3

Manual Integrations
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4/3/2019 10:49:16 AM



#52

1,3-Dichloropropane

Concen: 18.900 ug/l

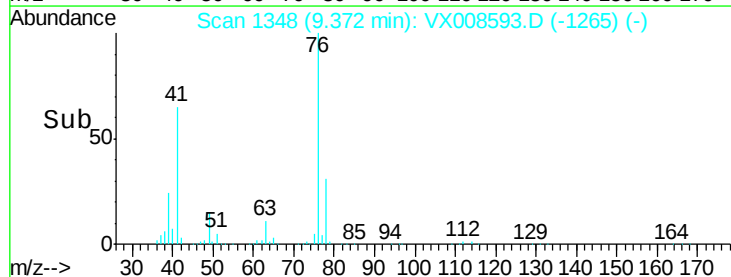
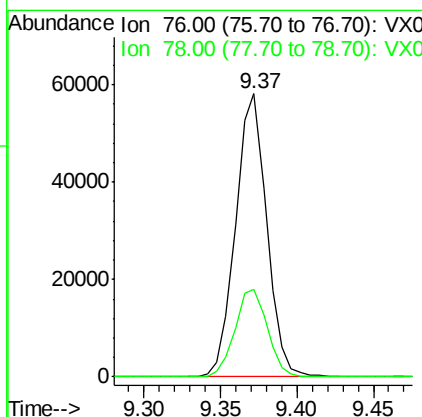
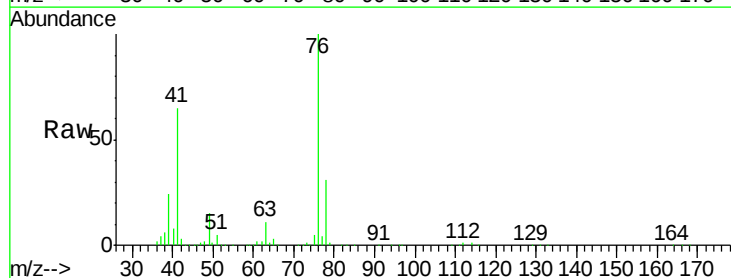
RT: 9.37 min Scan# 1348

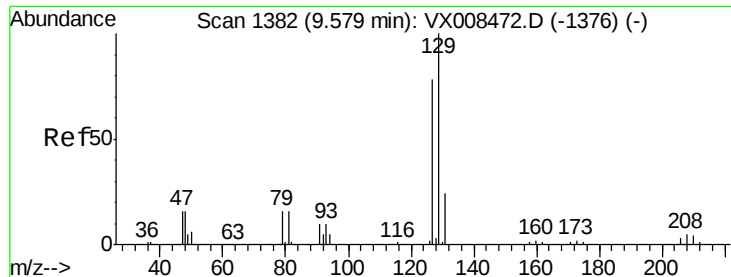
Delta R.T. 0.01 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Tgt Ion:	76	Resp:	82111
Ion	Ratio	Lower	Upper
76	100		
78	32.4	0.0	65.2





#53

Dibromochloromethane

Concen: 17.456 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBSD01

Tot Ion:129 Resp: 41948

Ion Ratio Lower Upper

129 100

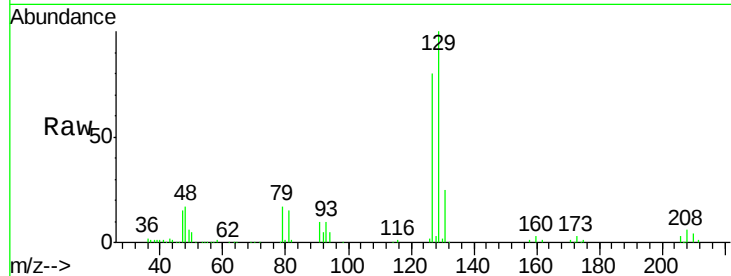
127 78.7 38.4 115.2

Manual Integrations

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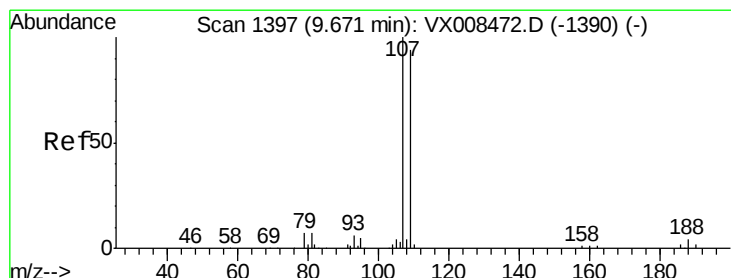
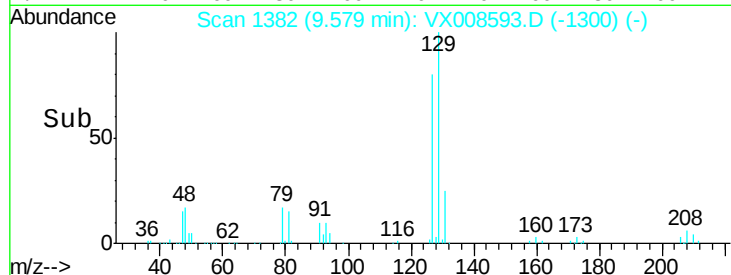
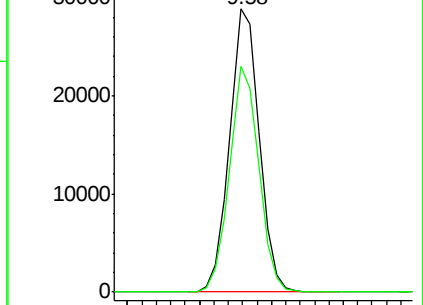
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.664 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008593.D

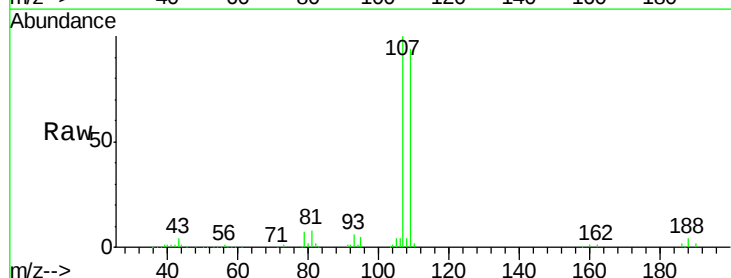
Acq: 02 Apr 2019 14:00

Tgt Ion:107 Resp: 46983

Ion Ratio Lower Upper

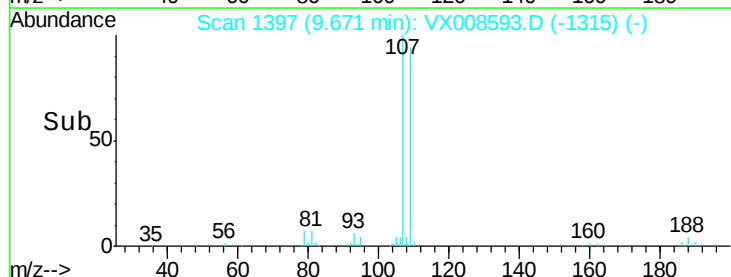
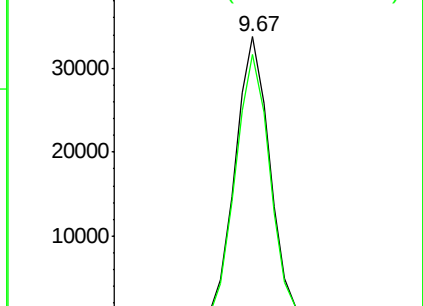
107 100

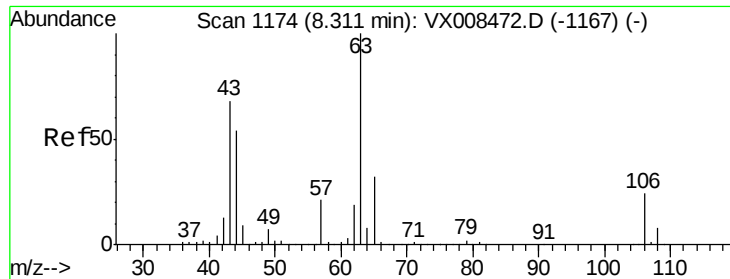
109 93.5 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





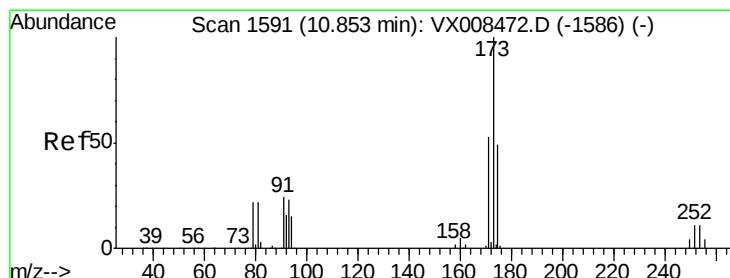
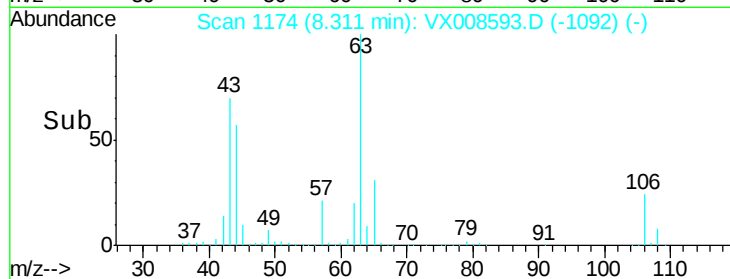
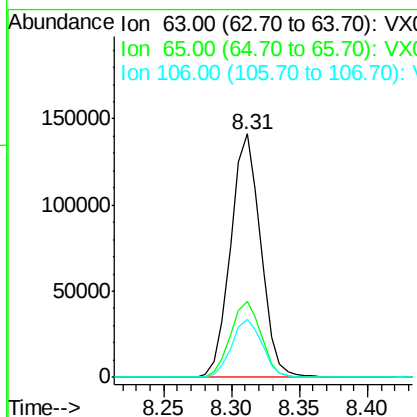
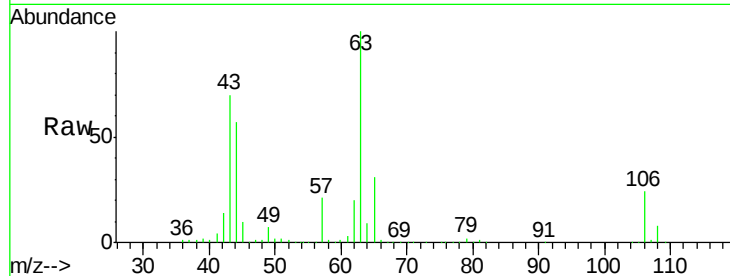
#55
2-Chloroethyl vinyl ether
Concen: 94.713 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.7	38.5
106	24.3	23.7	35.5

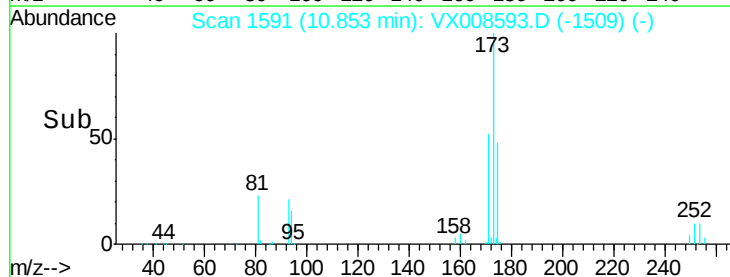
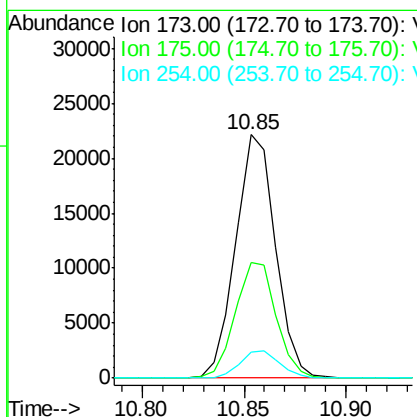
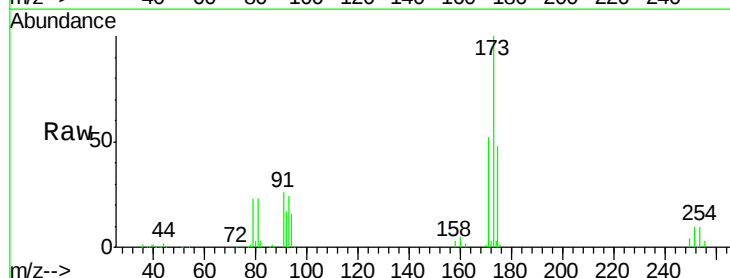
Manual Integrations
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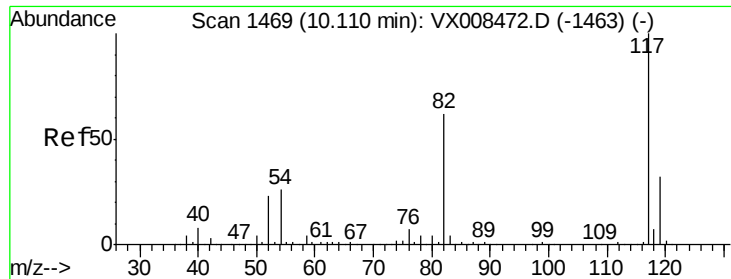
MMDadoda
4/3/2019 10:49:16 AM



#56
Bromoform
Concen: 17.173 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.5	57.7
254	11.1	7.4	11.2





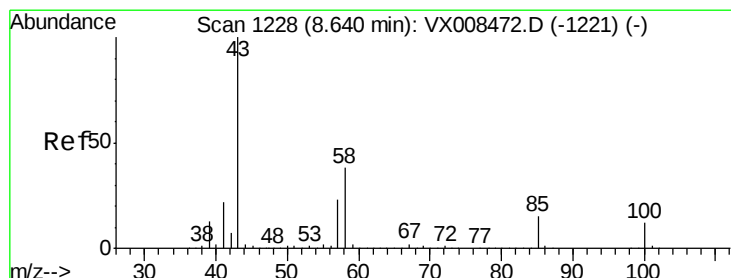
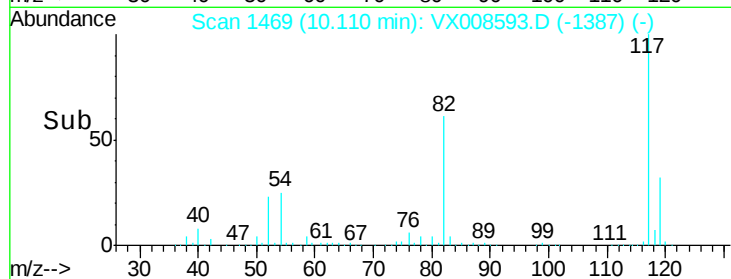
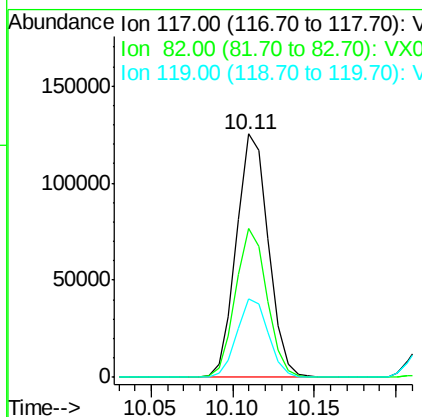
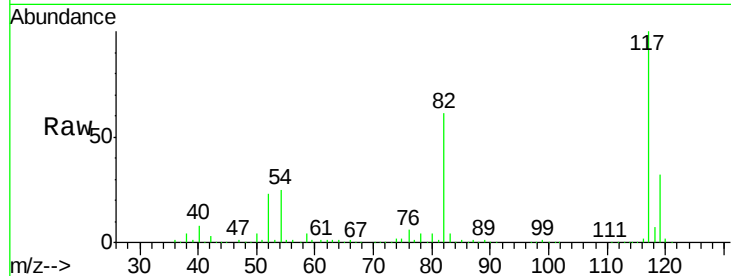
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	40.4	60.6
119	31.9	25.8	38.6

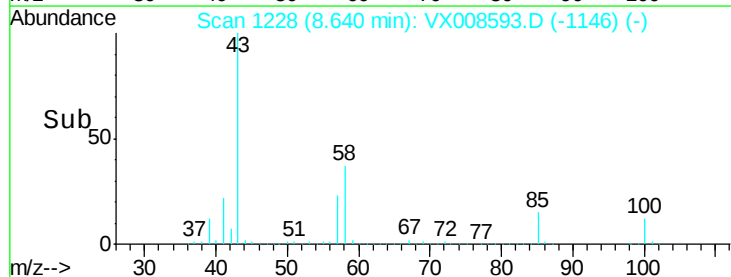
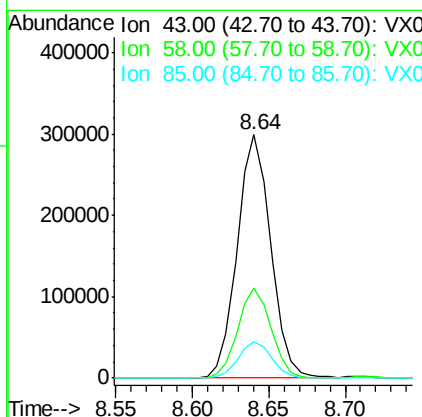
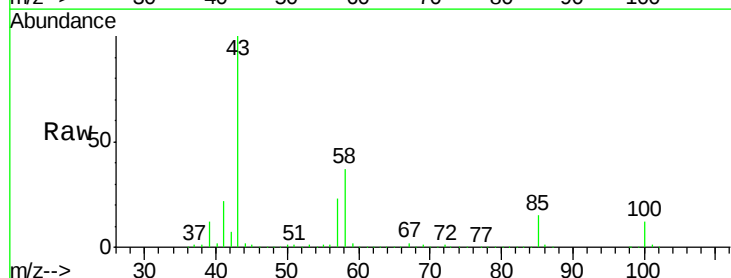
Manual Integrations
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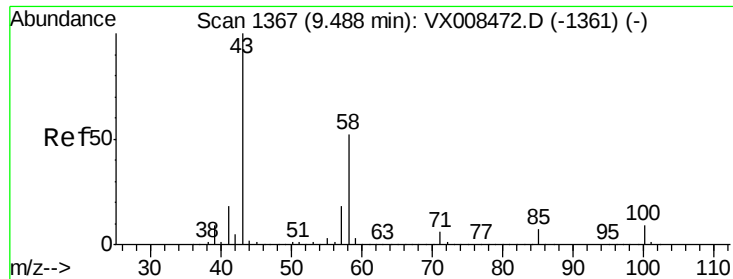
MMDadoda
4/3/2019 10:49:16 AM



#58
4-Methyl-2-Pentanone
Concen: 99.997 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.8	31.4	47.0
85	15.0	15.0	22.6





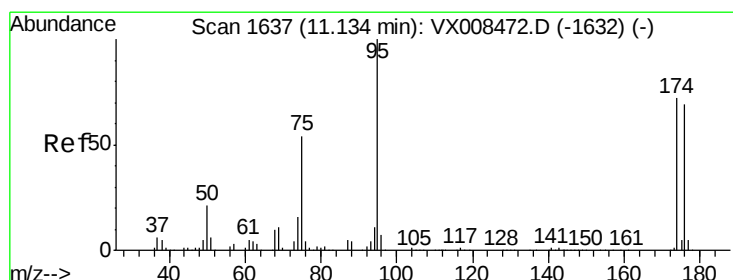
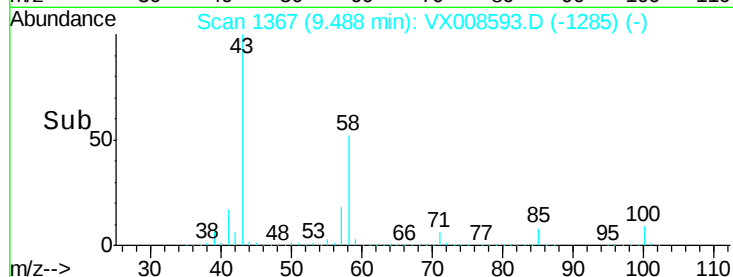
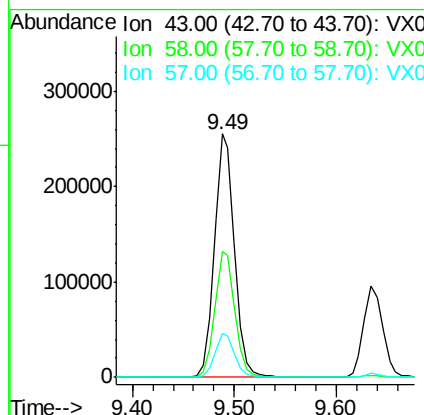
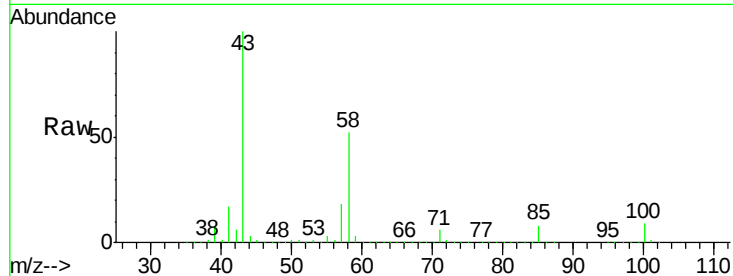
#59
2-Hexanone
Concen: 98.117 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.2	43.9	65.9
57	18.0	14.9	22.3

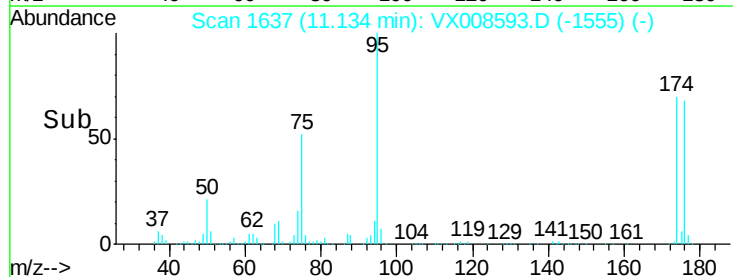
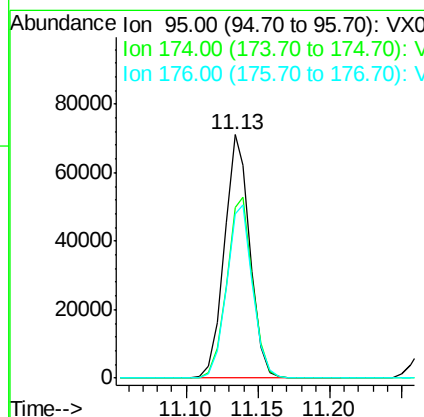
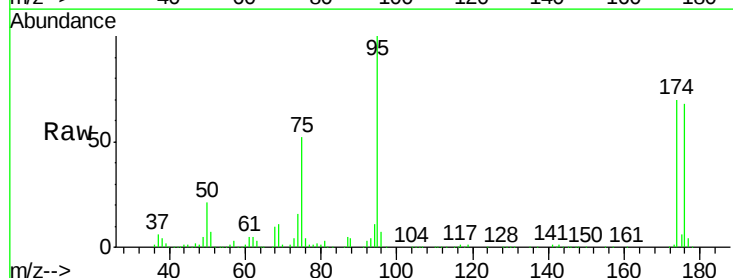
Manual Integrations
APPROVED

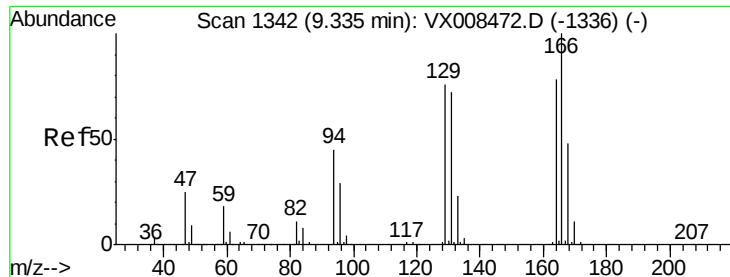
MMDadoda
4/3/2019 10:49:16 AM



#60
4-Bromofluorobenzene
Concen: 29.541 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.8	74.9	112.3#
176	72.4	70.7	106.1





#61

Tetrachloroethene

Concen: 19.504 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBSD01

Tot Ion:164 Resp: 36736

Ion Ratio Lower Upper

164 100

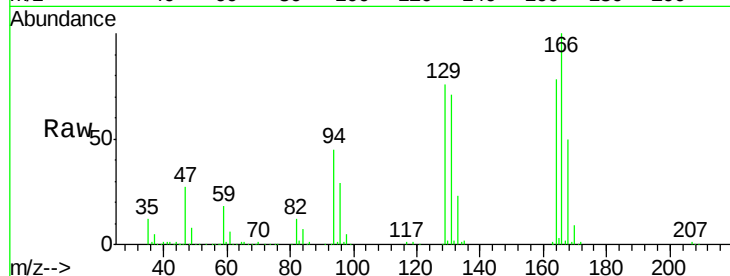
166 127.9 103.9 155.9

129 96.7 74.7 112.1

131 90.4 71.7 107.5

Manual Integrations
APPROVED

MMDadoda
4/3/2019 10:49:16 AM

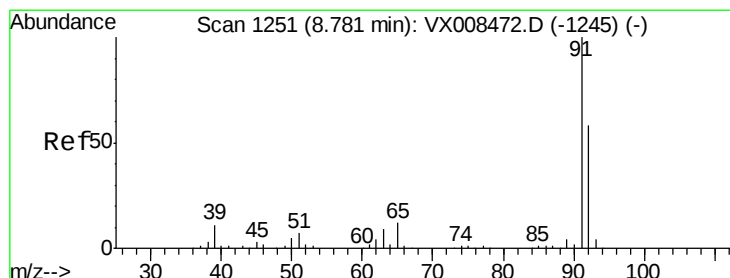
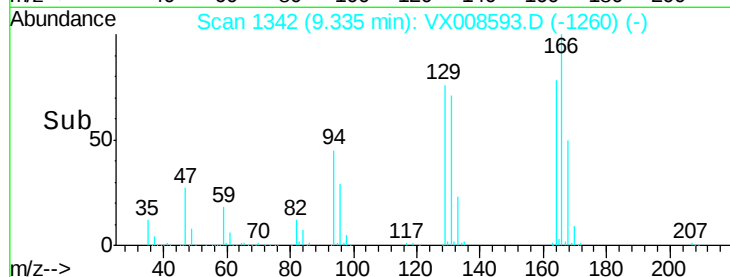
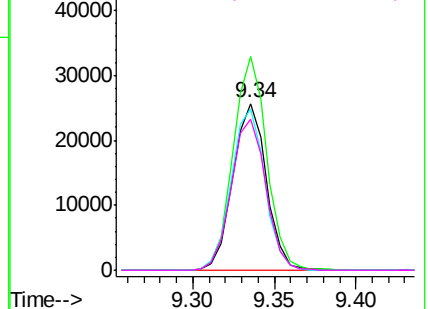


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 18.990 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX008593.D

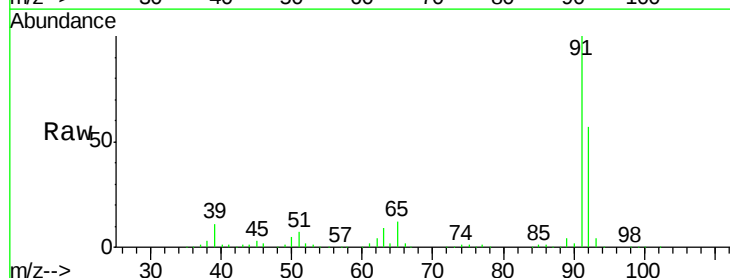
Acq: 02 Apr 2019 14:00

Tgt Ion: 91 Resp: 197972

Ion Ratio Lower Upper

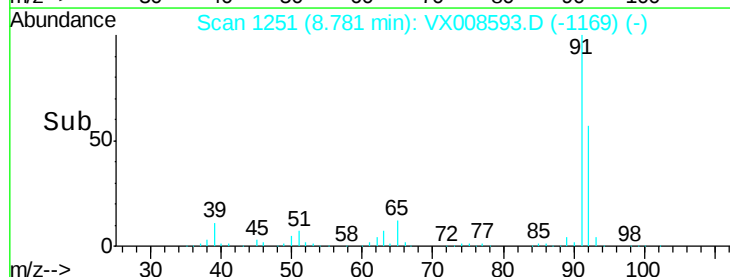
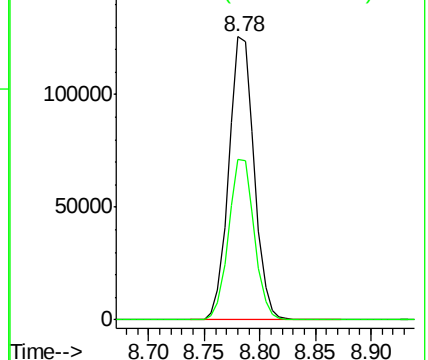
91 100

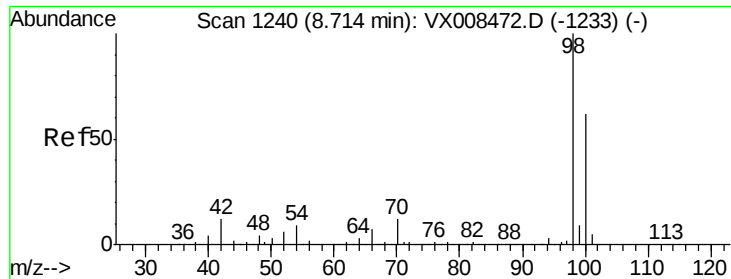
92 57.3 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





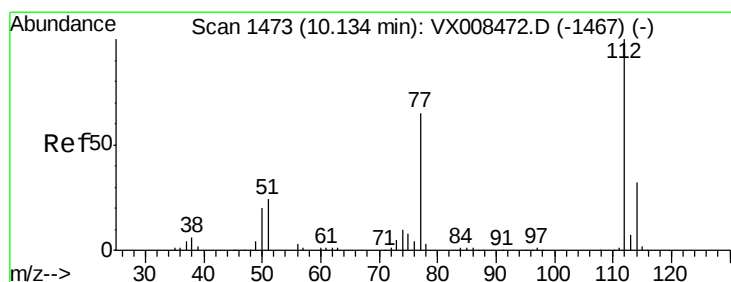
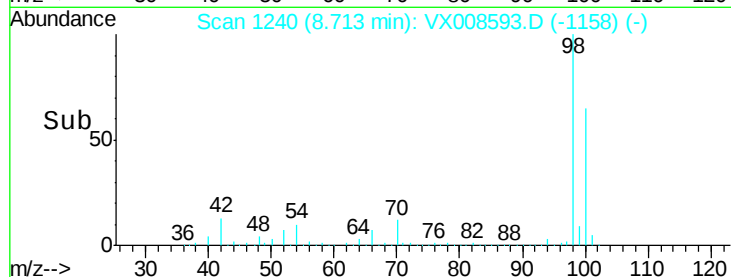
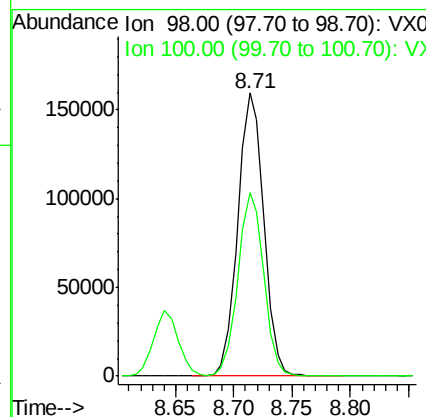
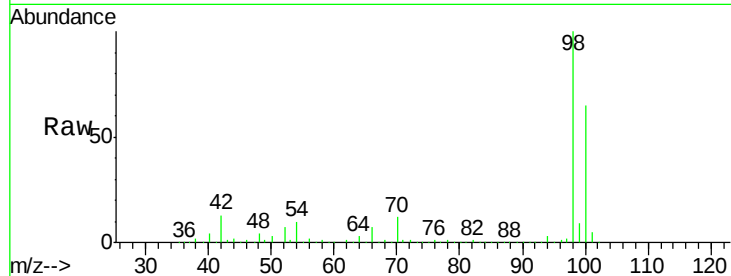
#63
Toluene-d8
Concen: 30.340 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Instrument :
MSVOA_X
ClientSampled :
VX0402WBSD01

Tot Ion: 98 Resp: 247982
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3

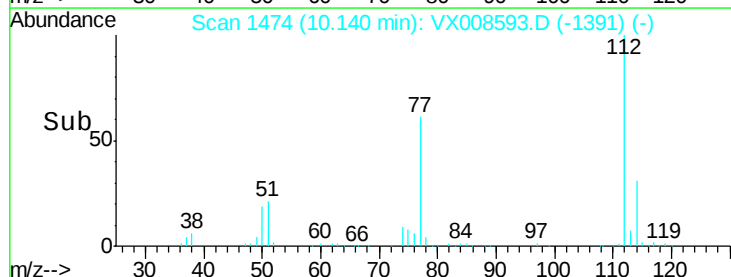
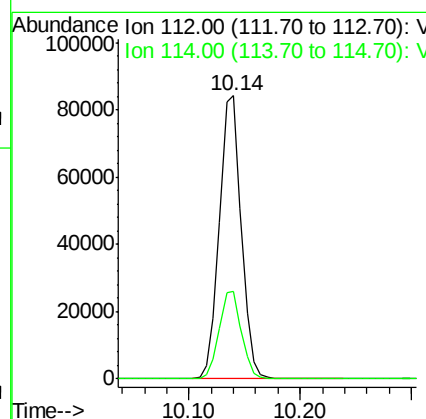
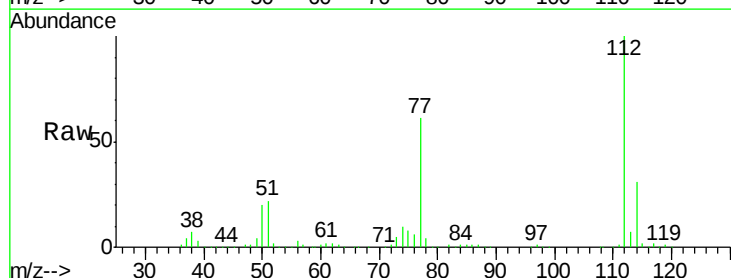
Manual Integrations
APPROVED

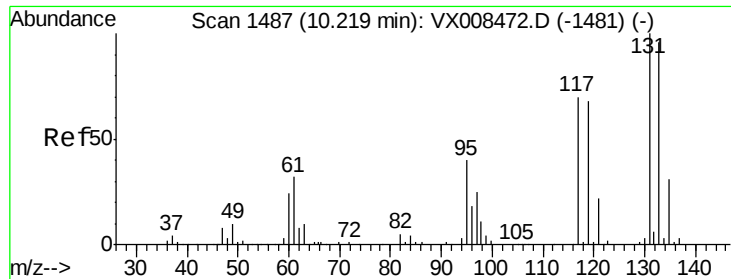
MMDadoda
4/3/2019 10:49:16 AM



#64
Chlorobenzene
Concen: 18.868 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Tgt Ion: 112 Resp: 115262
Ion Ratio Lower Upper
112 100
114 31.1 25.4 38.2





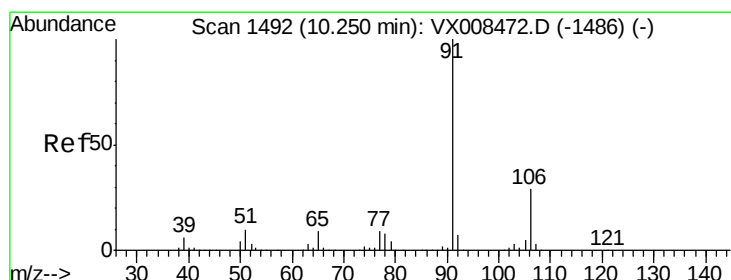
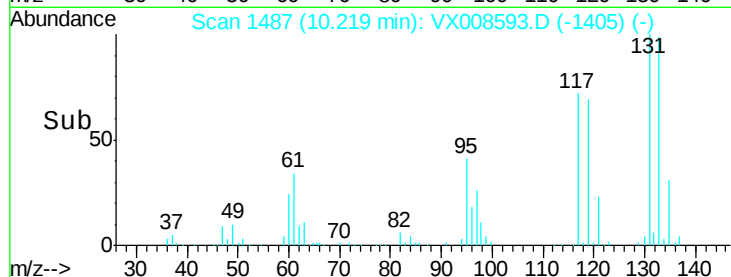
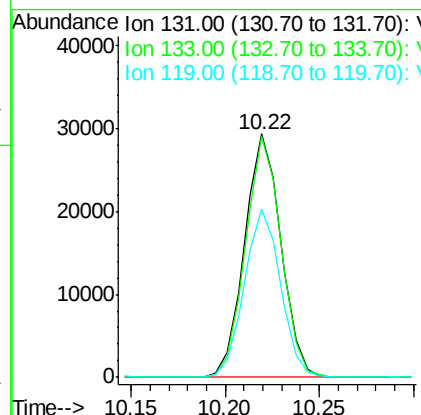
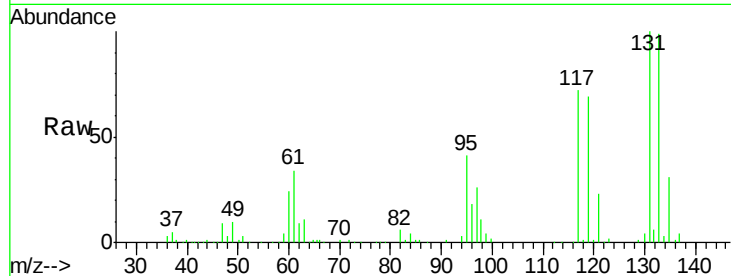
#65
 1,1,1,2-Tetrachloroethane
 Concen: 18.290 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX008593.D
 Acq: 02 Apr 2019 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
131	100		39393		
133	96.6	0.0	191.6		
119	68.8	0.0	127.4		

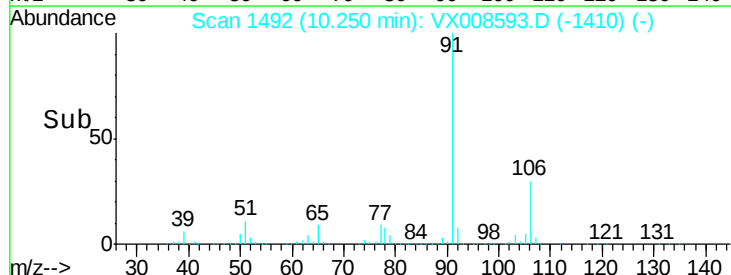
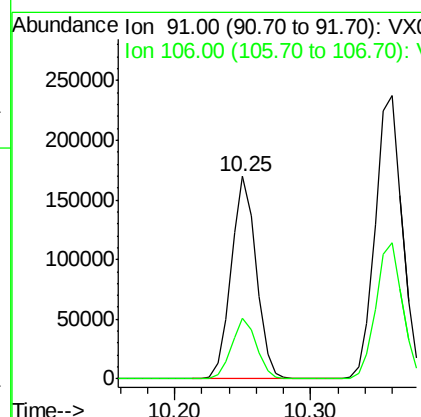
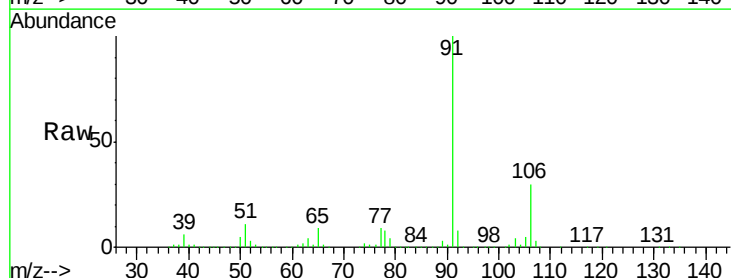
Manual Integrations
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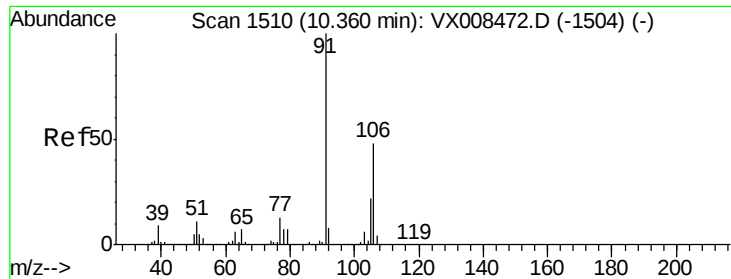
MMDadoda
 4/3/2019 10:49:16 AM



#66
 Ethyl Benzene
 Concen: 18.676 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX008593.D
 Acq: 02 Apr 2019 14:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		216120		
106	29.8	26.0	39.0		





#67

m/p-Xvlenes

Concen: 36.853 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Instrument :

MSVOA_X

ClientSampled :

VX0402WBSD01

Tot Ion:106 Resp: 155545

Ion Ratio Lower Upper

106 100

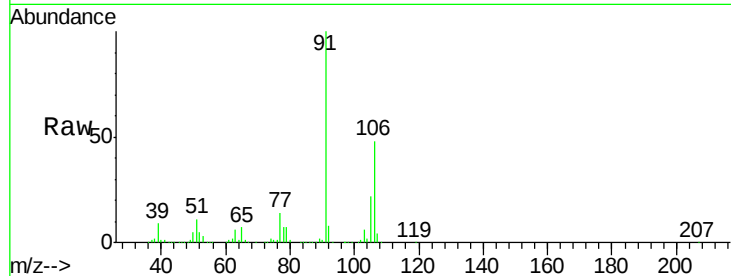
91 209.8 157.0 235.4

Manual Integrations

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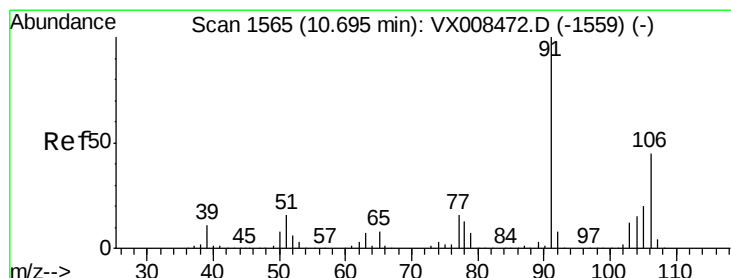
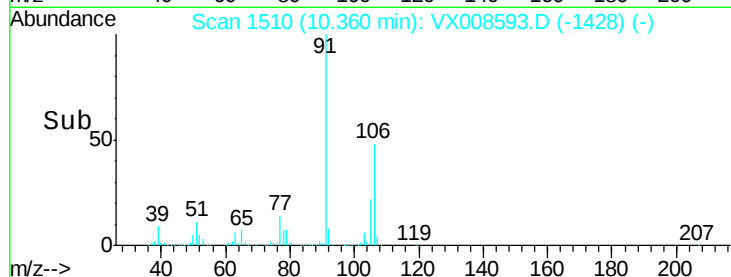
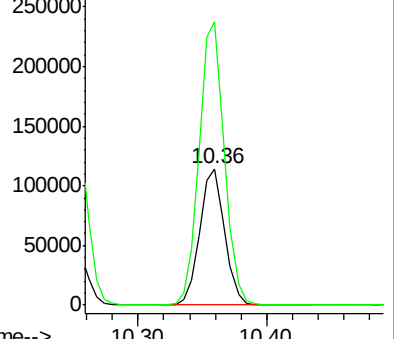
MMDadoda

4/3/2019 10:49:16 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 18.710 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX008593.D

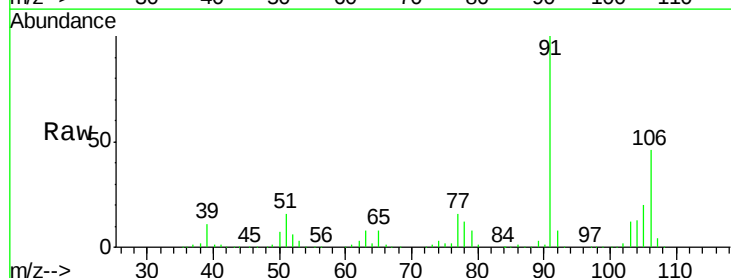
Acq: 02 Apr 2019 14:00

Tgt Ion:106 Resp: 77278

Ion Ratio Lower Upper

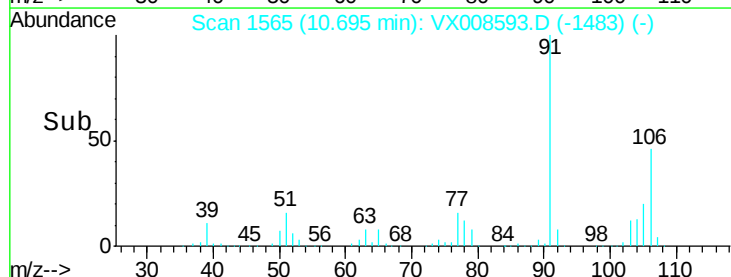
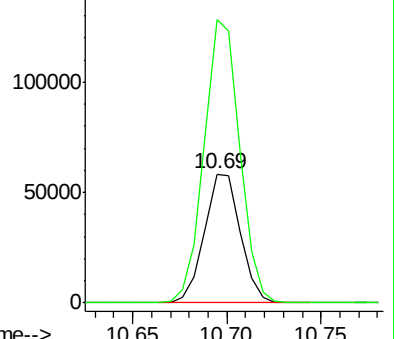
106 100

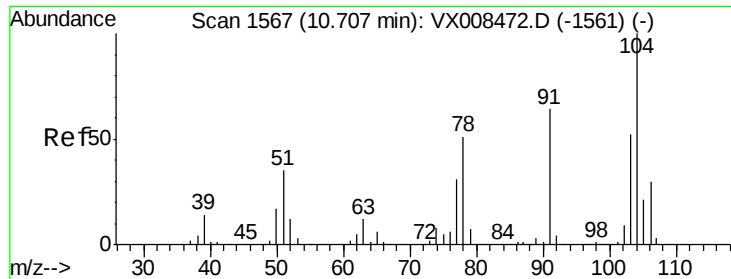
91 219.0 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





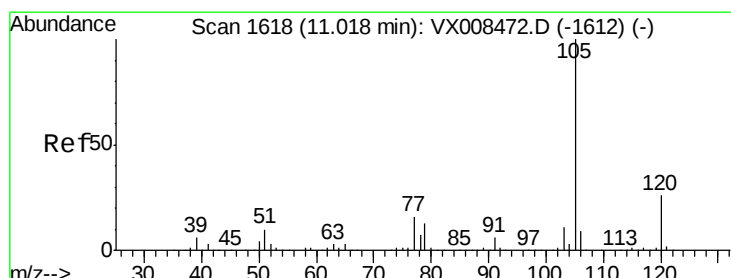
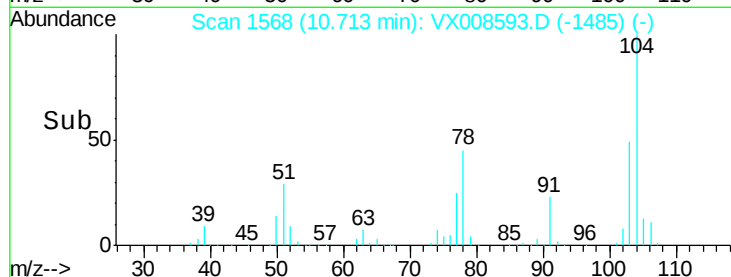
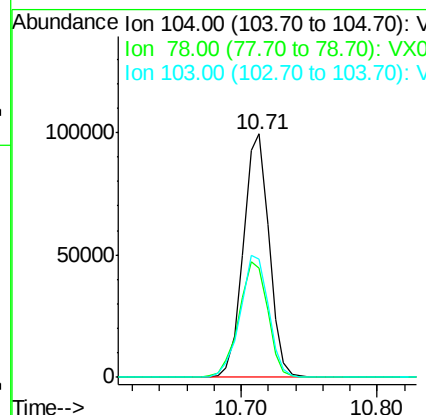
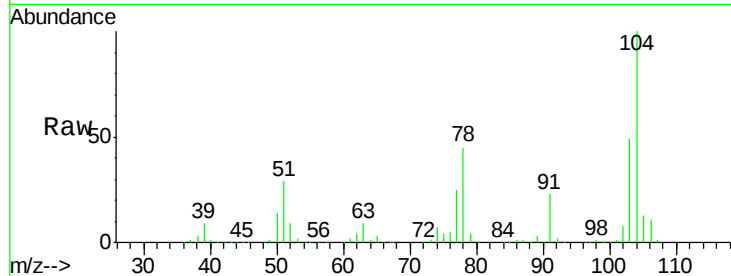
#69
Stvrene
Concen: 18.279 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Instrument :
MSVOA_X
ClientSampled :
VX0402WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.0	38.2	57.2
103	55.1	45.0	67.4

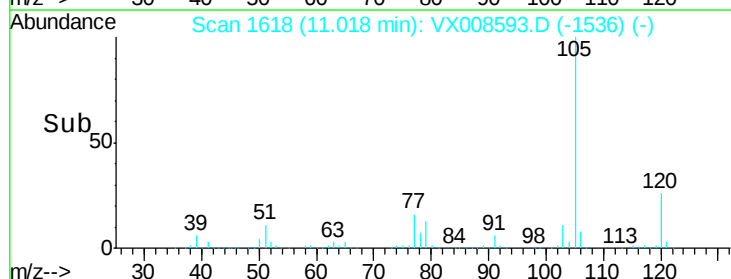
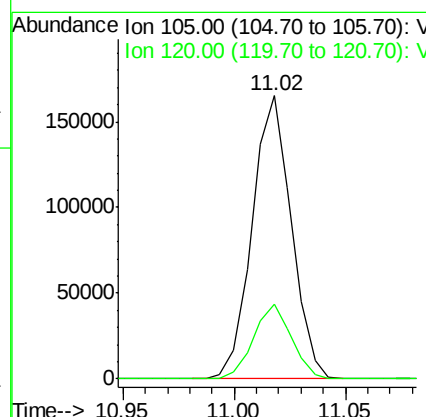
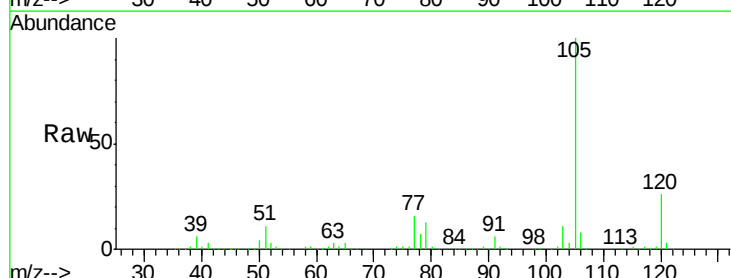
Manual Integrations
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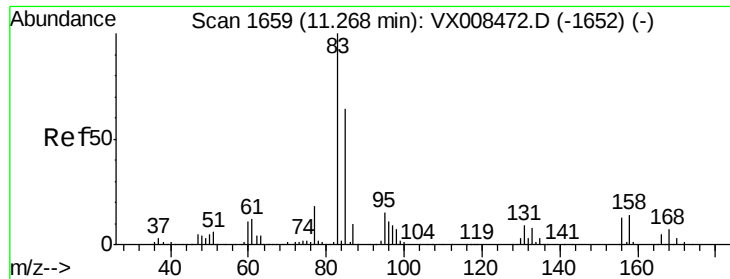
MMDadoda
4/3/2019 10:49:16 AM



#70
Isopropylbenzene
Concen: 18.602 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	19.8	36.8





#71

1,1,2,2-Tetrachloroethane

Concen: 19.124 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Instrument :

MSVOA_X

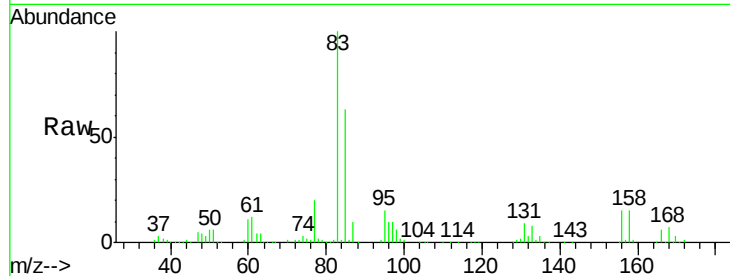
ClientSampleId :

VX0402WBSD01

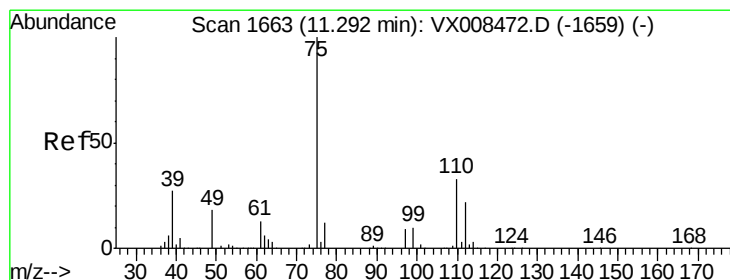
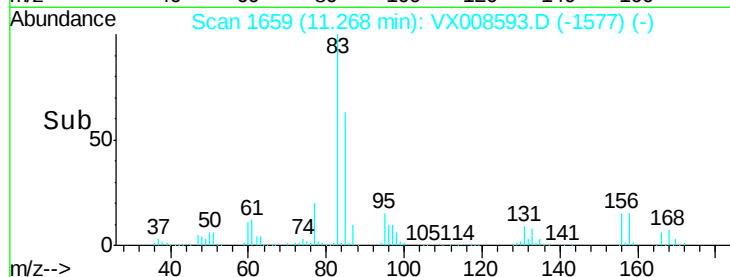
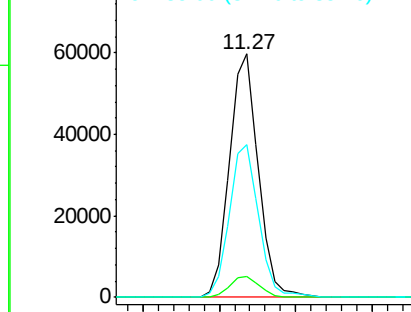
Tot Ion:	83	Resp:	77835
Ion Ratio	Lower	Upper	
83	100		
131	8.8	5.4	16.2
85	64.2	32.8	98.4

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 22.335 ug/l m

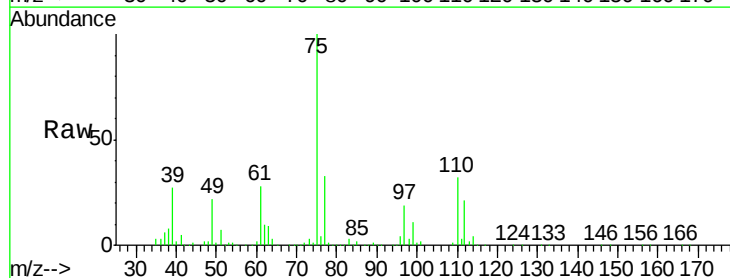
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

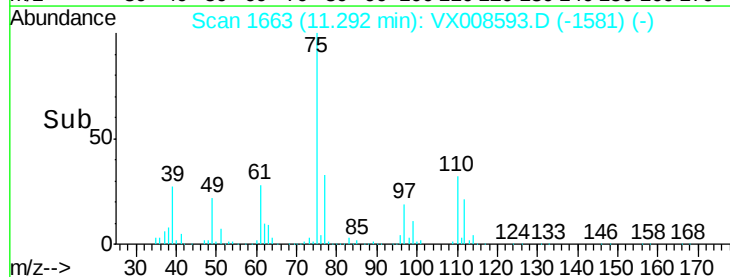
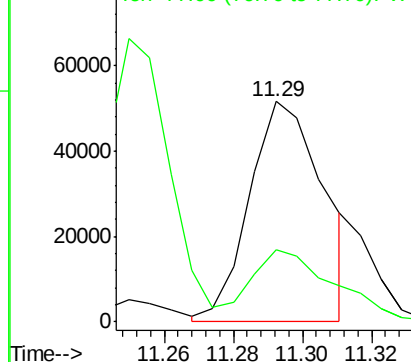
Lab File: VX008593.D

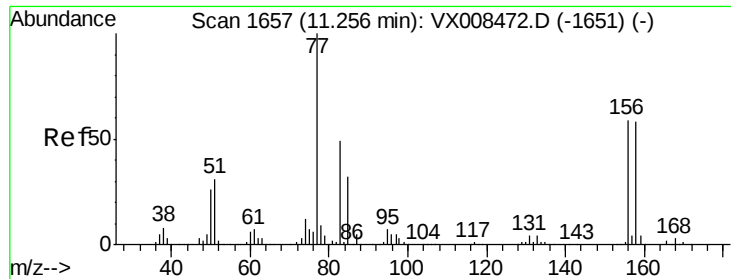
Acq: 02 Apr 2019 14:00

Tgt Ion:	75	Resp:	76840
Ion Ratio	Lower	Upper	
75	100		
77	37.0	0.0	76.4



Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 18.439 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBSD01

Tot Ion:156 Resp: 47795

Ion Ratio Lower Upper

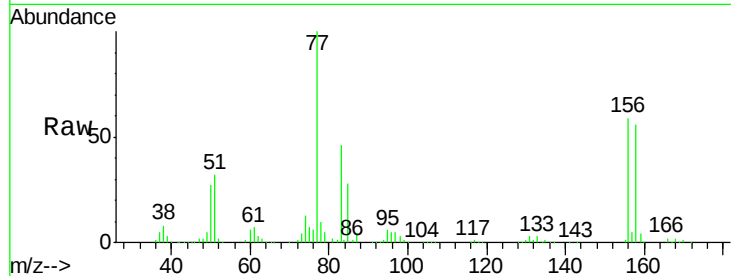
156 100

77 180.7 0.0 271.4

158 95.9 0.0 194.0

Manual Integrations
APPROVED

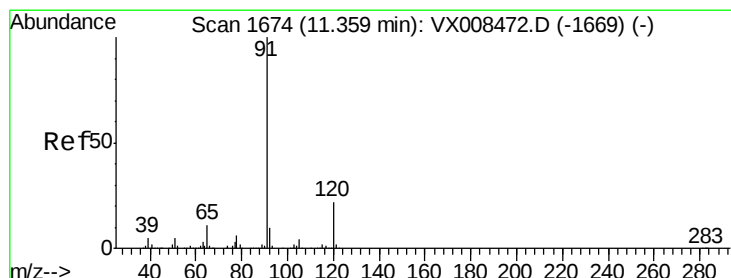
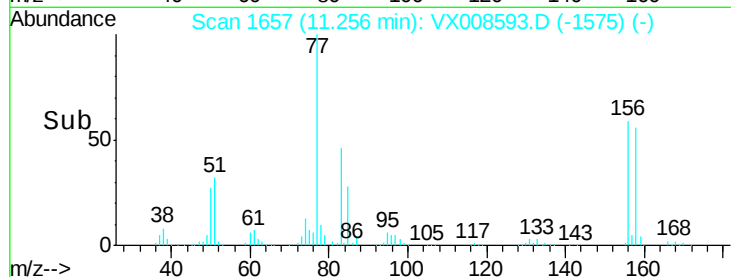
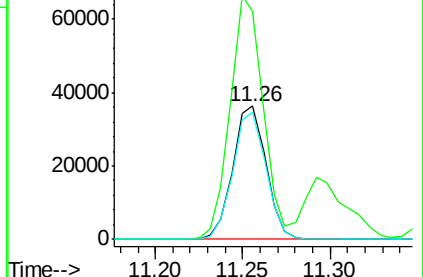
MMDadoda
4/3/2019 10:49:16 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.117 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008593.D

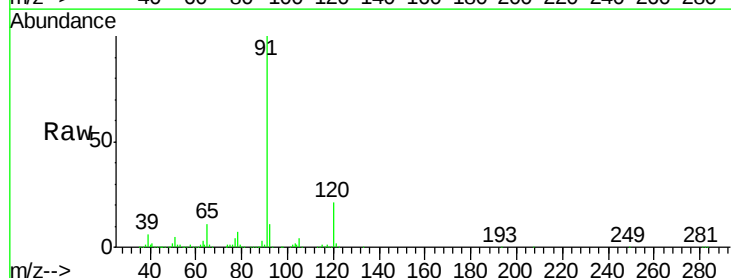
Acq: 02 Apr 2019 14:00

Tgt Ion: 91 Resp: 235150

Ion Ratio Lower Upper

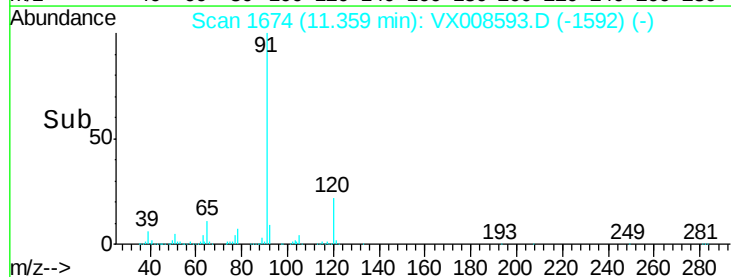
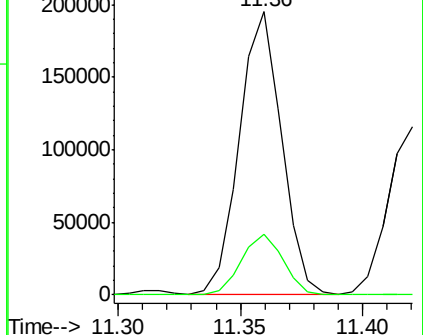
91 100

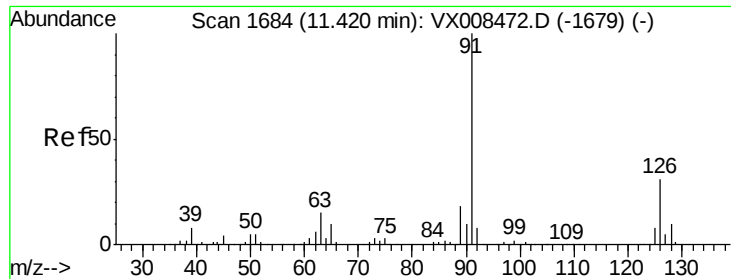
120 21.4 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.435 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Instrument :

MSVOA_X

ClientSampled :

VX0402WBSD01

Tot Ion: 91 Resp: 142357

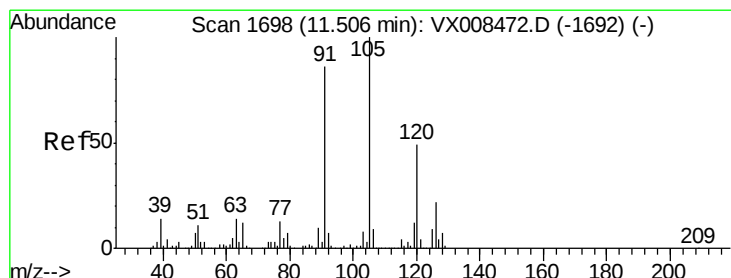
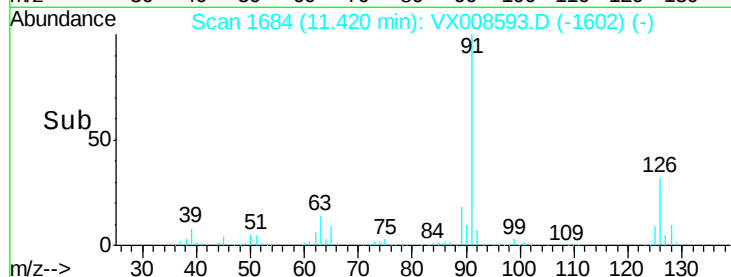
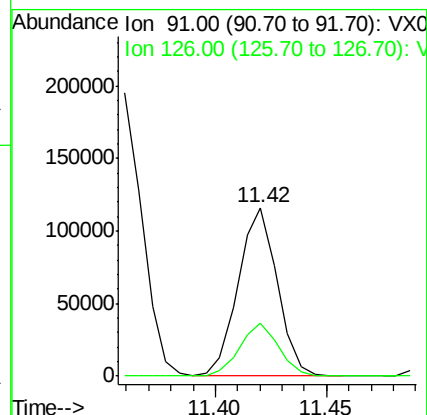
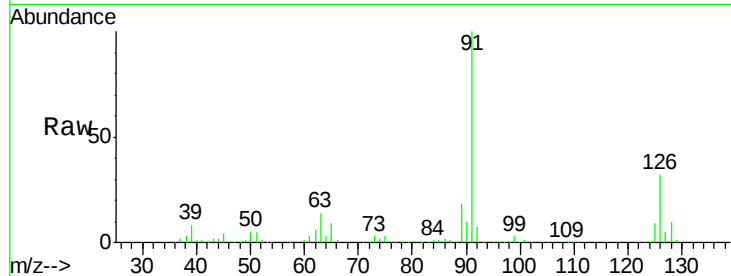
Ion Ratio Lower Upper

91 100

126 31.4 0.0 75.2

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#76

1,3,5-Trimethylbenzene

Concen: 18.169 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008593.D

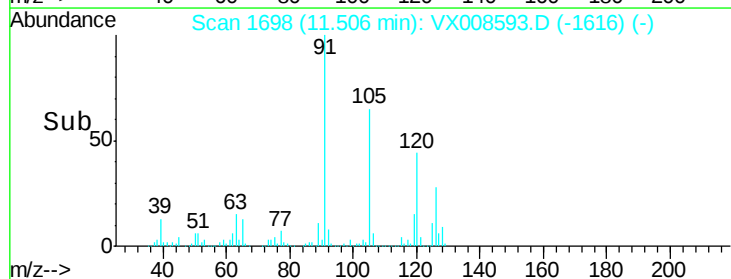
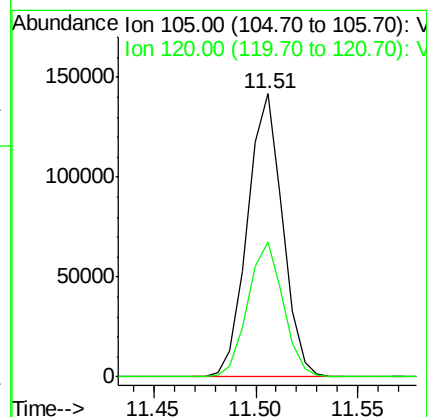
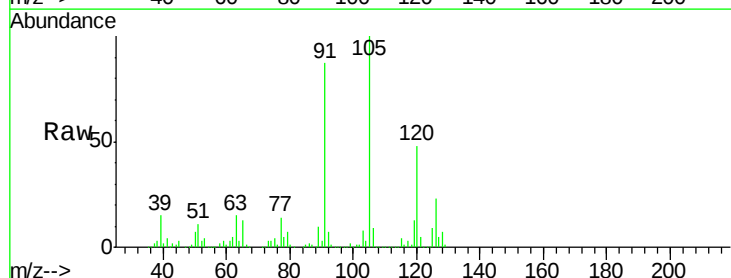
Acq: 02 Apr 2019 14:00

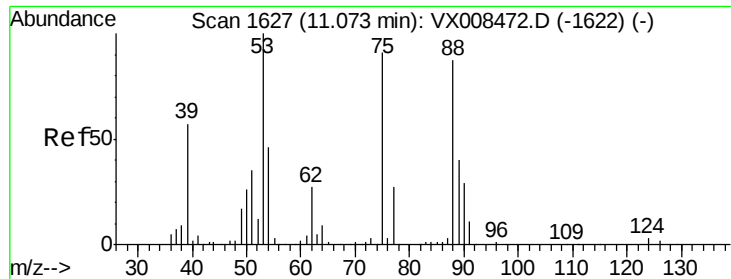
Tgt Ion: 105 Resp: 169242

Ion Ratio Lower Upper

105 100

120 47.8 0.0 101.0





#77

t-1,4-Dichloro-2-butene

Concen: 17.255 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Instrument :

MSVOA_X

ClientSampled :

VX0402WBSD01

Tot Ion: 75 Resp: 22770

Ion Ratio Lower Upper

75 100

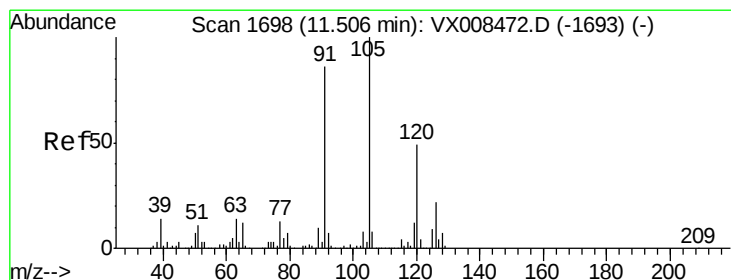
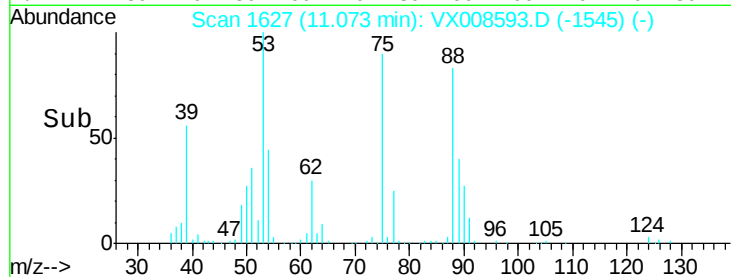
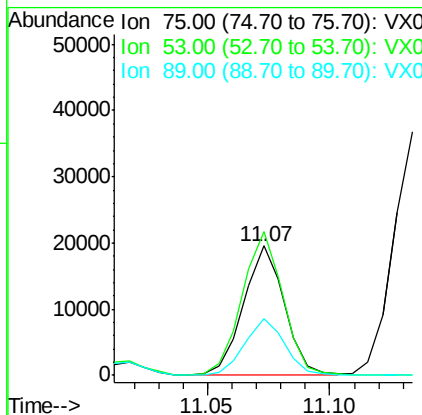
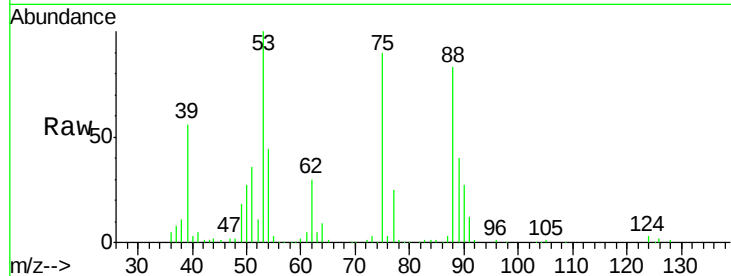
53 110.6 55.5 166.7

89 43.9 24.4 73.2

Manual Integrations
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#78

4-Chlorotoluene

Concen: 17.839 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008593.D

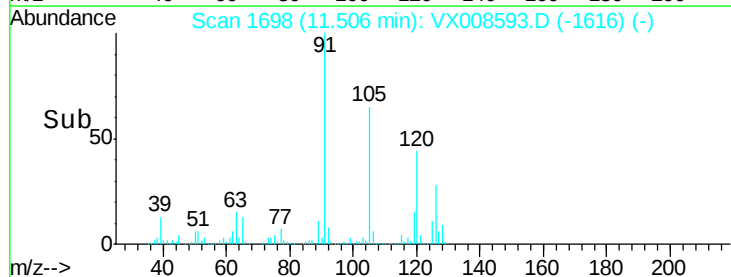
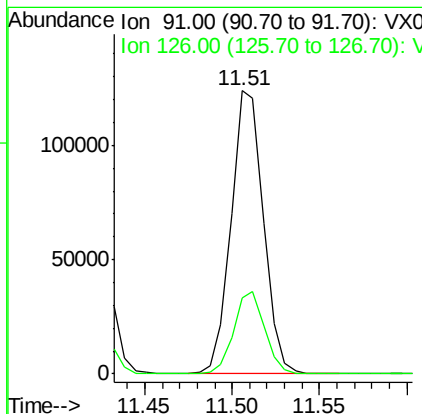
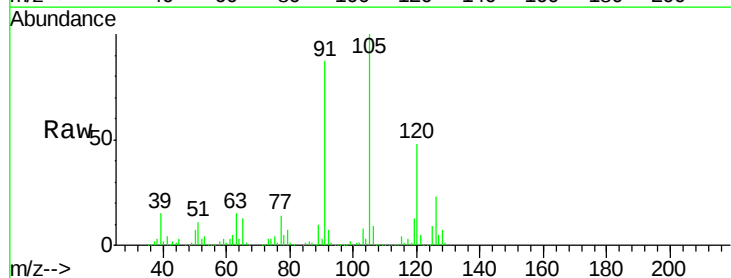
Acq: 02 Apr 2019 14:00

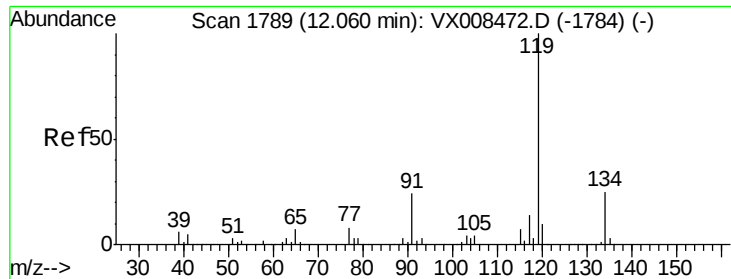
Tgt Ion: 91 Resp: 158537

Ion Ratio Lower Upper

91 100

126 27.8 0.0 66.2





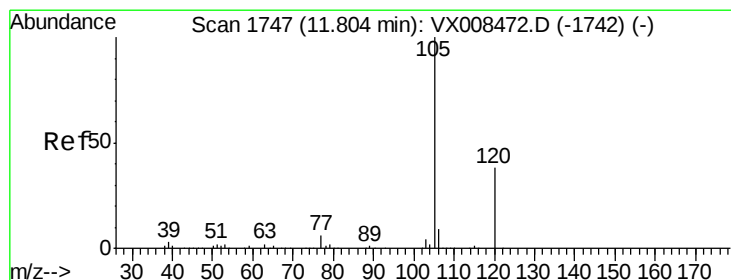
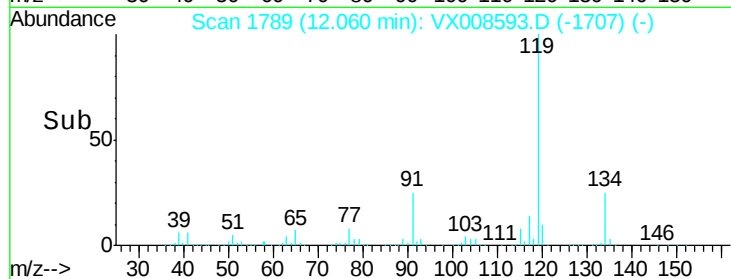
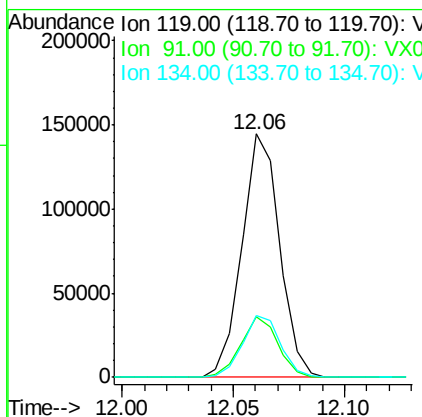
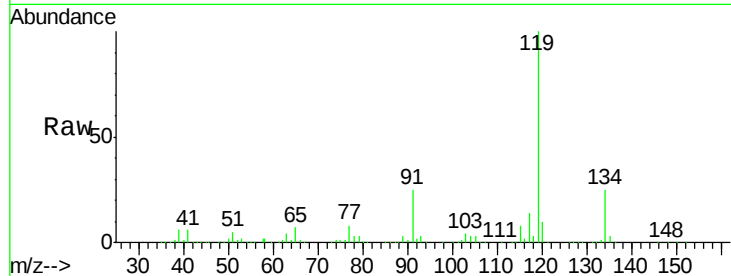
#79
tert-butylbenzene
Concen: 17.942 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Instrument :
MSVOA_X
ClientSampled :
VX0402WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	170788		
91	24.7	0.0	45.0	
134	25.7	0.0	55.4	

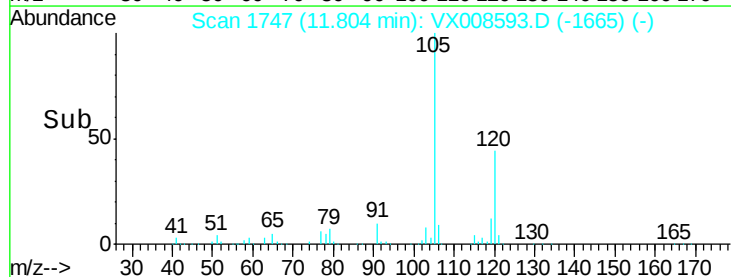
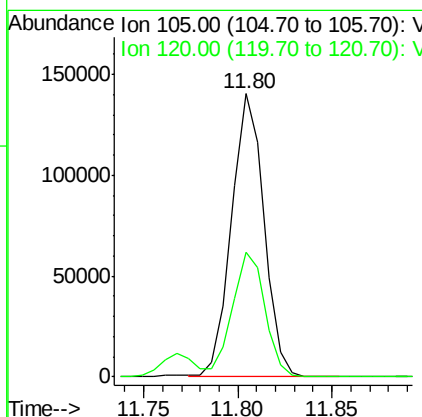
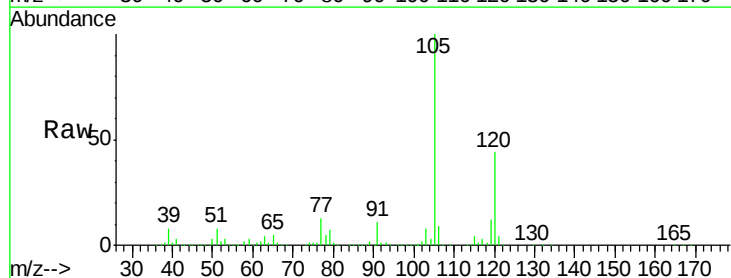
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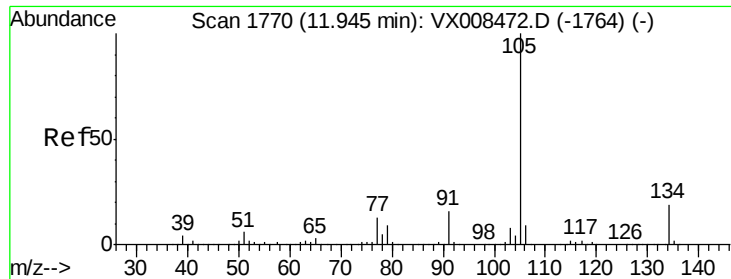
MMDadoda
4/3/2019 10:49:16 AM



#80
1,2,4-Trimethylbenzene
Concen: 18.099 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	168094		
120	43.5	0.0	94.0	





#81

sec-Butylbenzene

Concen: 18.045 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Instrument :

MSVOA_X

ClientSampled :

VX0402WBSD01

Tot Ion:105 Resp: 192049

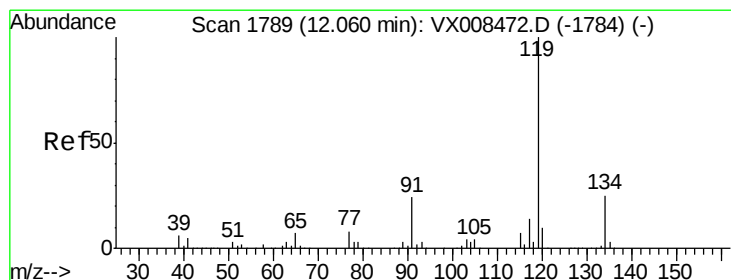
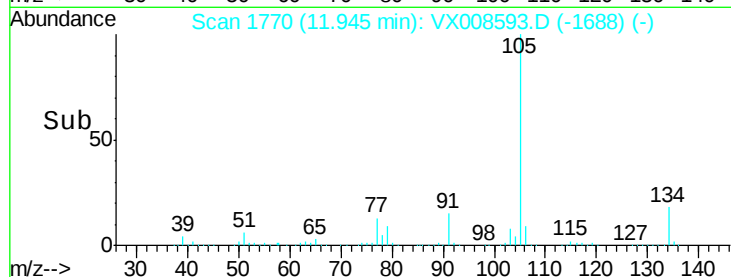
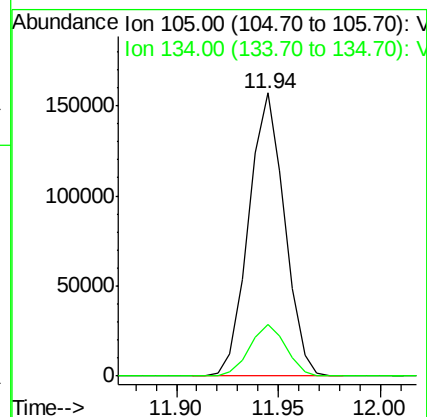
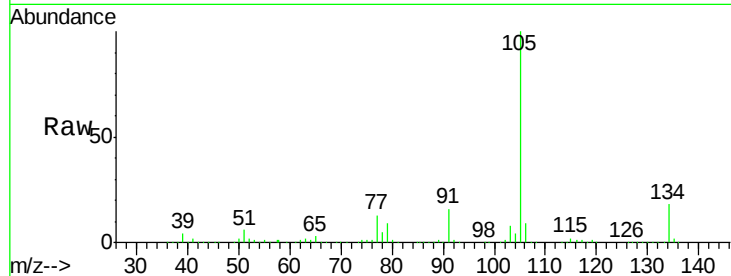
Ion Ratio Lower Upper

105 100

134 18.7 0.0 41.8

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#82

p-Isopropyltoluene

Concen: 17.942 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

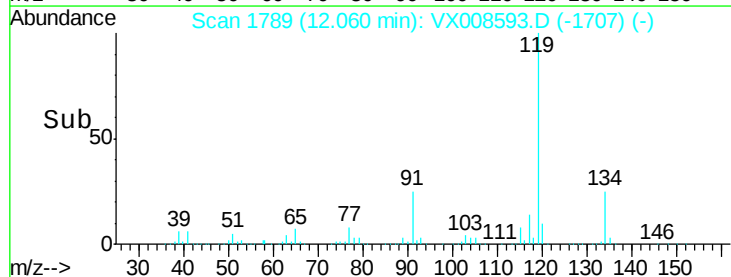
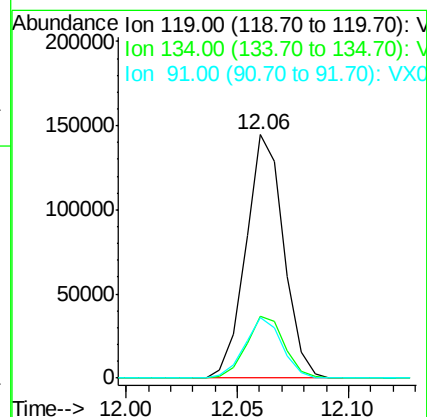
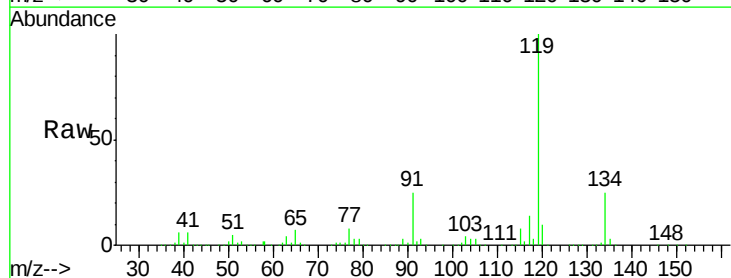
Tgt Ion:119 Resp: 170788

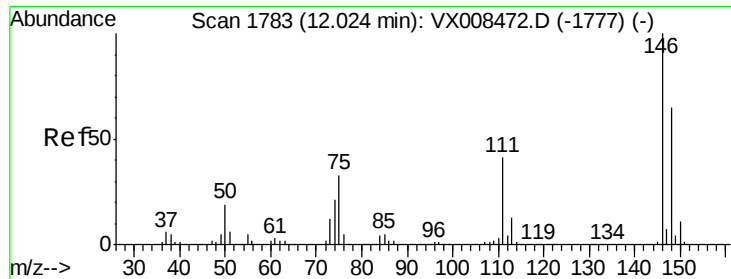
Ion Ratio Lower Upper

119 100

134 25.7 0.0 55.4

91 24.7 0.0 45.0





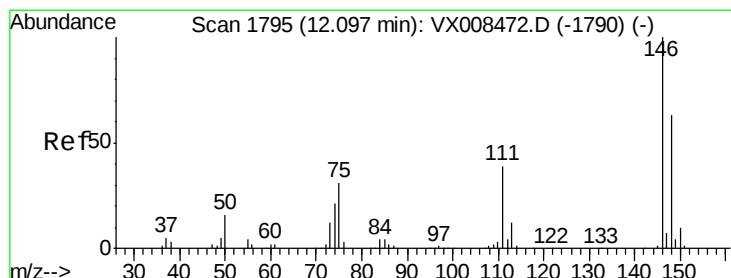
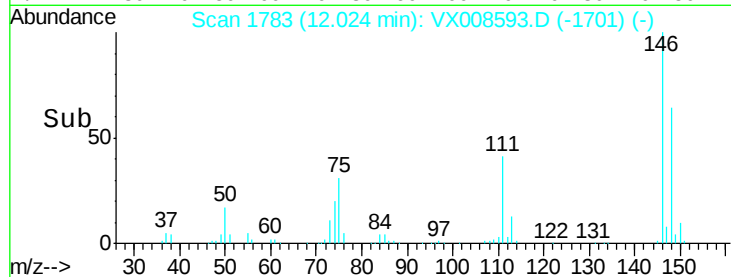
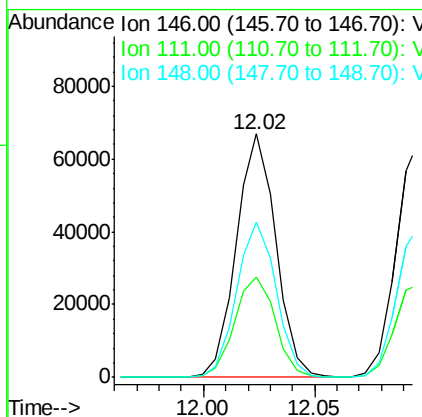
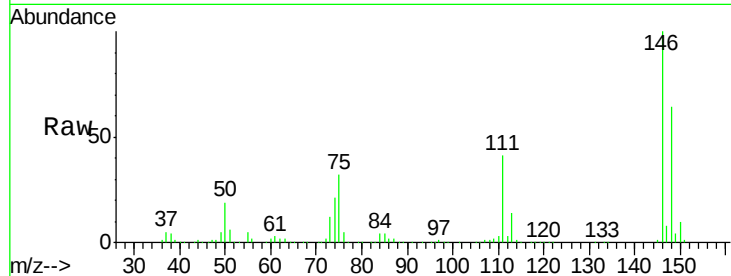
#83
 1,3-Dichlorobenzene
 Concen: 17.978 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008593.D
 Acq: 02 Apr 2019 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	18.8	56.3
148	64.2	30.6	91.8

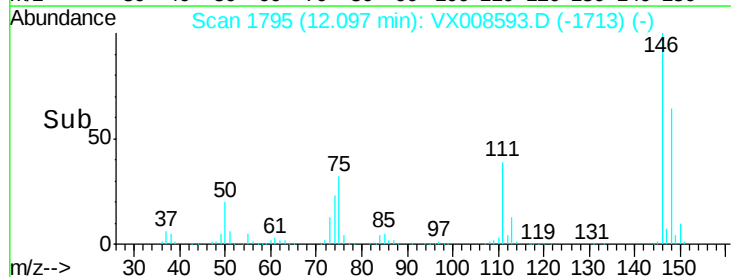
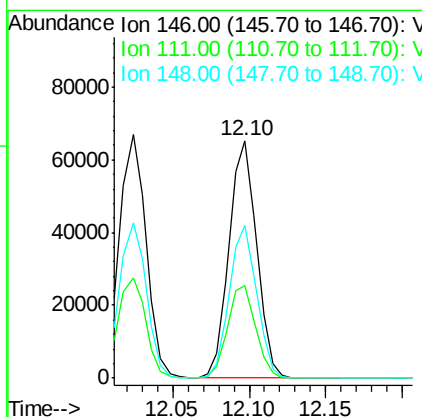
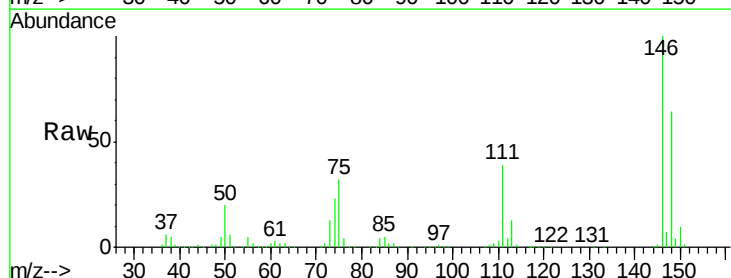
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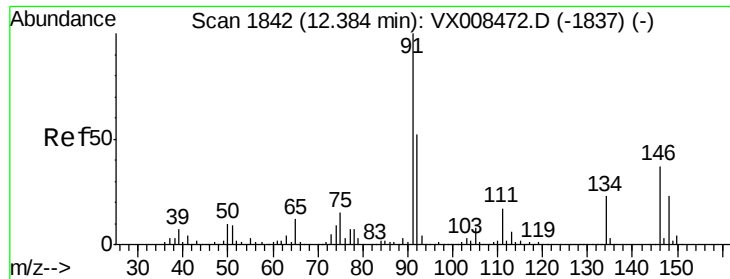
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 4/3/2019 10:49:16 AM



#84
 1,4-Dichlorobenzene
 Concen: 17.852 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008593.D
 Acq: 02 Apr 2019 14:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	17.6	52.8
148	63.2	31.4	94.2





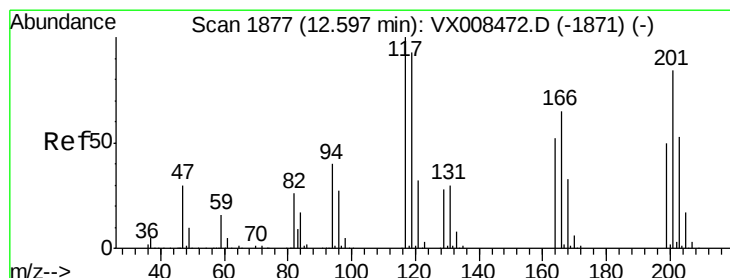
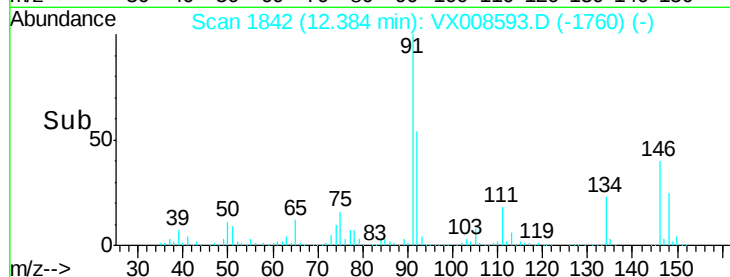
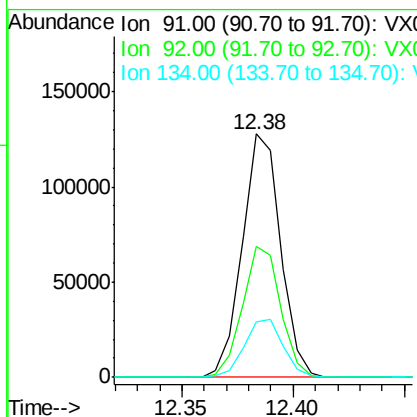
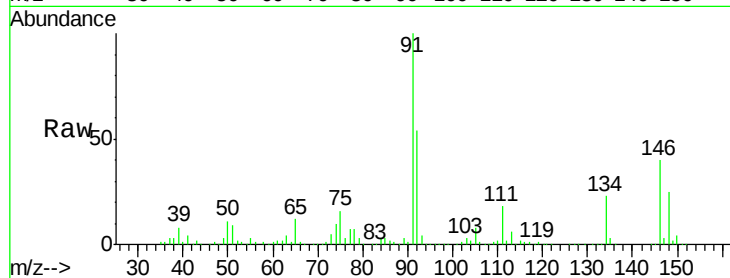
#85
n-Butylbenzene
Concen: 16.978 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Instrument :
MSVOA_X
ClientSampled :
VX0402WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	153559		
92	53.7	0.0	105.2	
134	24.1	0.0	56.4	

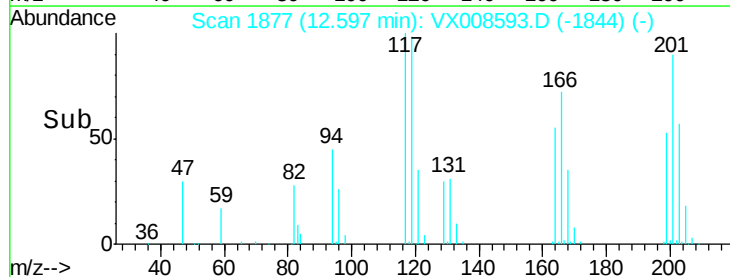
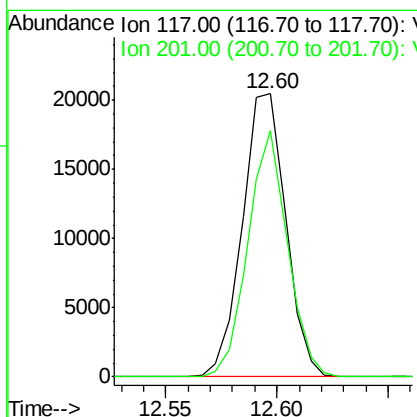
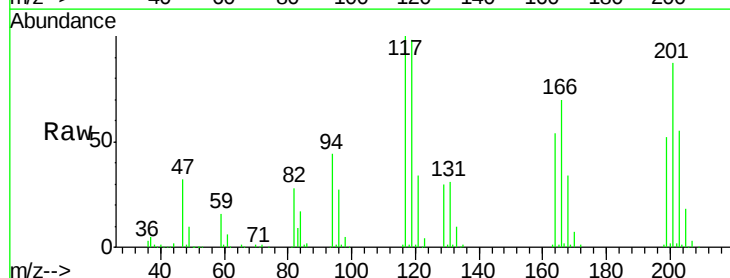
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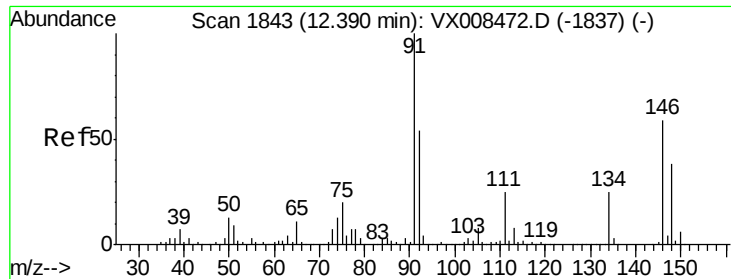
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#86
Hexachloroethane
Concen: 17.591 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008593.D
Acq: 02 Apr 2019 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	27978		
201	79.0	41.1	123.3	





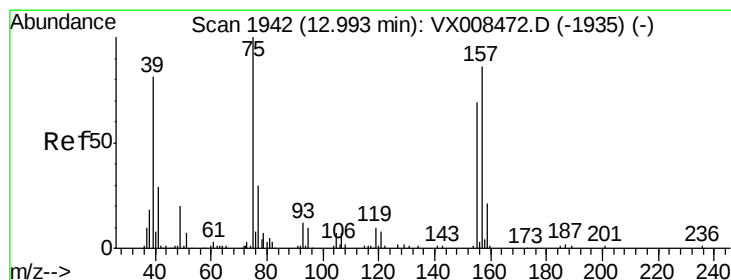
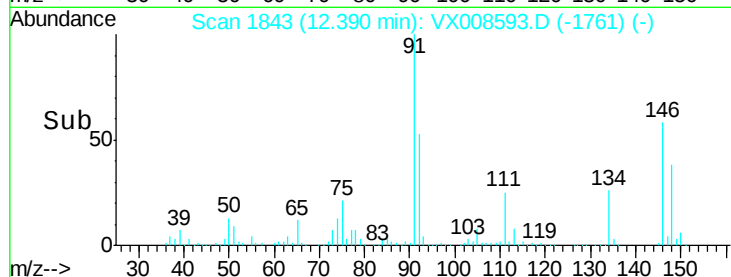
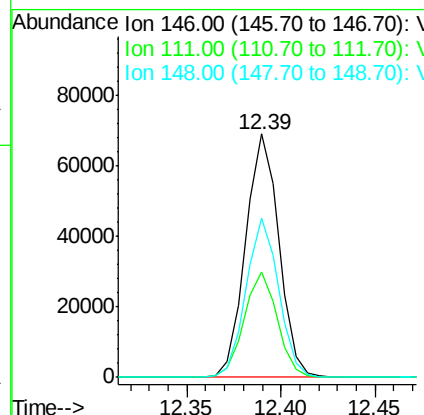
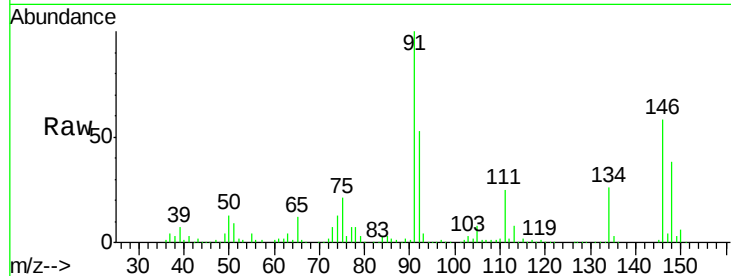
#87
 1,2-Dichlorobenzene
 Concen: 18.257 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008593.D
 Acq: 02 Apr 2019 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	19.3	57.8
148	63.8	32.1	96.3

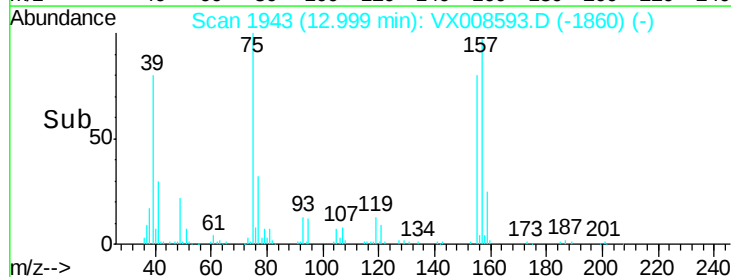
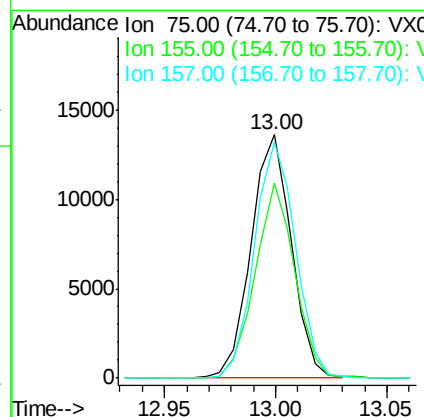
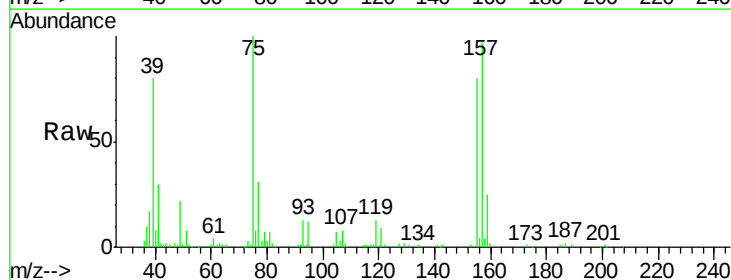
Manual Integrations
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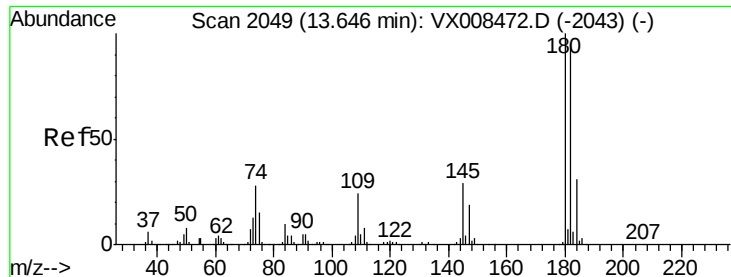
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.103 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.01 min
 Lab File: VX008593.D
 Acq: 02 Apr 2019 14:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.5	81.0	121.6#
157	98.4	103.2	154.8#





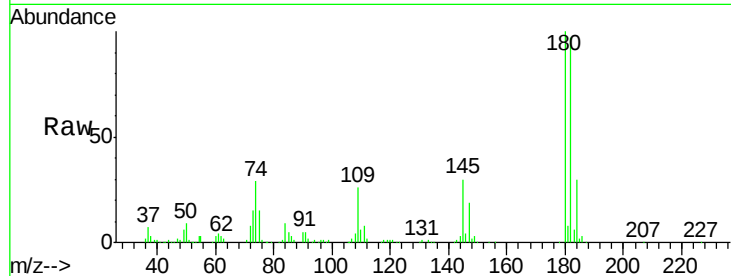
#89
 1,2,4-Trichlorobenzene
 Concen: 17.482 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008593.D
 Acq: 02 Apr 2019 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBSD01

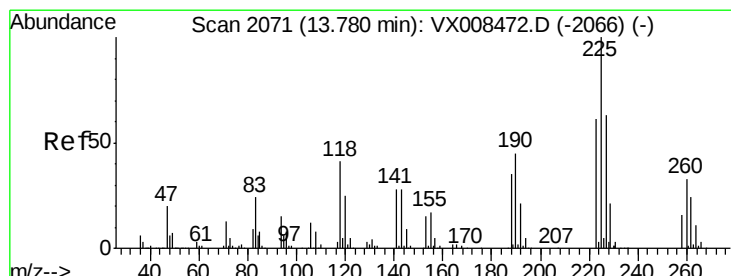
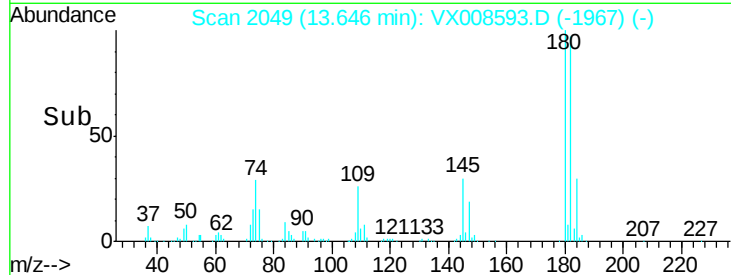
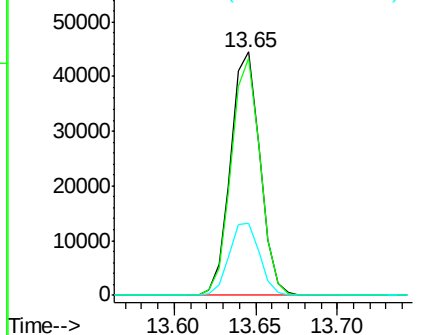
Tot Ion:	180	Resp:	55914
Ion Ratio	Lower	Upper	
180	100		
182	95.7	75.6	113.4
145	30.6	23.0	34.6

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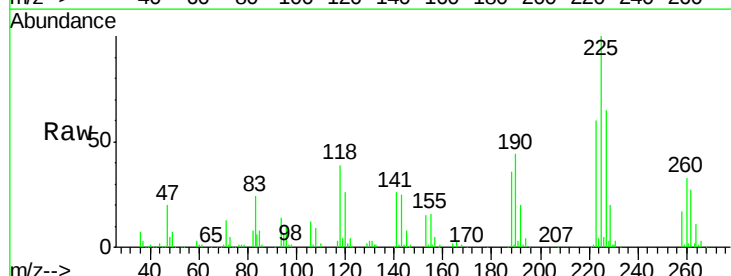


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

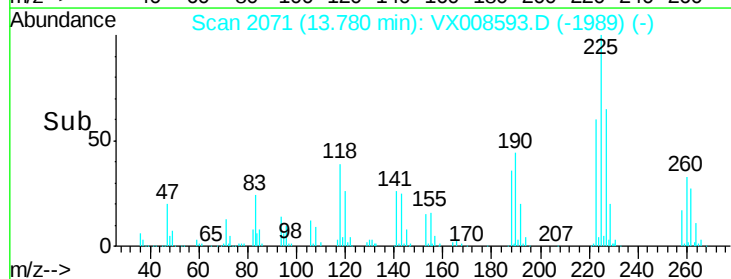
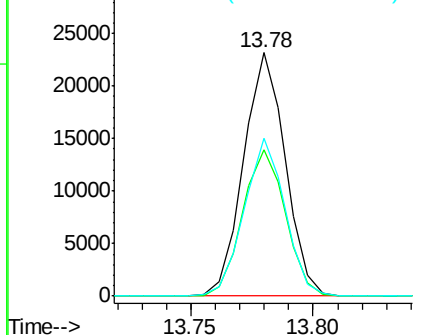


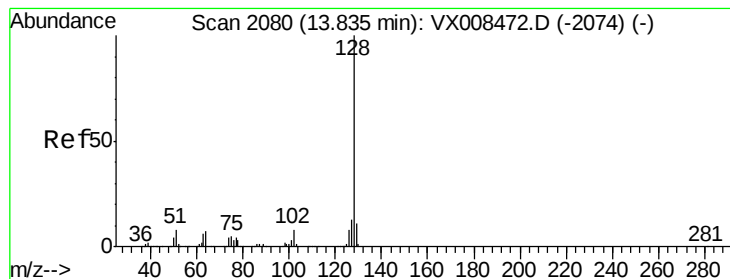
#90
 Hexachlorobutadiene
 Concen: 17.920 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008593.D
 Acq: 02 Apr 2019 14:00

Tgt Ion:	225	Resp:	27613
Ion Ratio	Lower	Upper	
225	100		
223	61.7	0.0	123.8
227	63.4	0.0	124.4



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 18.228 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBSD01

Tot Ion:128 Resp: 199748

Ion Ratio Lower Upper

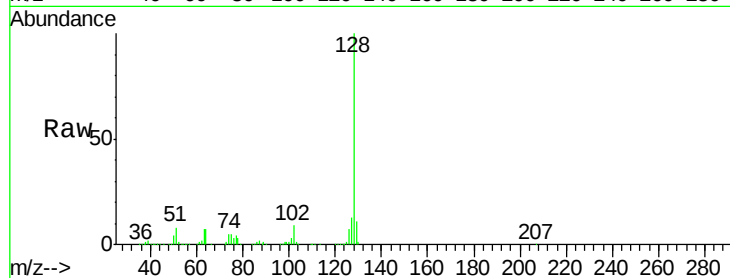
128 100

127 13.2 10.5 15.7

129 10.9 8.9 13.3

Manual Integrations
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MMDadoda
4/3/2019 10:49:16 AM

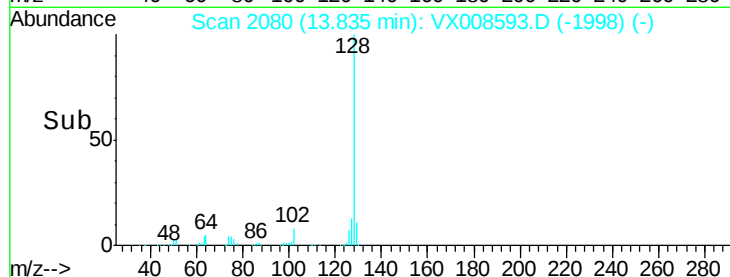


Abundance Ion 128.00 (127.70 to 128.70): V

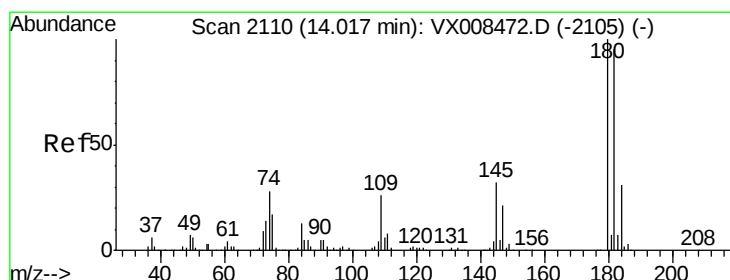
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

13.83



Time-->



#92

1,2,3-Trichlorobenzene

Concen: 18.419 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008593.D

Acq: 02 Apr 2019 14:00

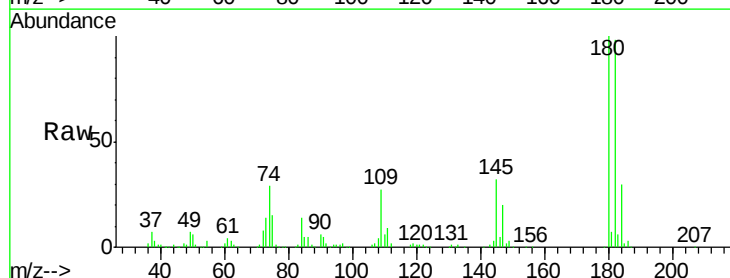
Tgt Ion:180 Resp: 59344

Ion Ratio Lower Upper

180 100

182 94.9 0.0 193.0

145 31.7 0.0 63.0

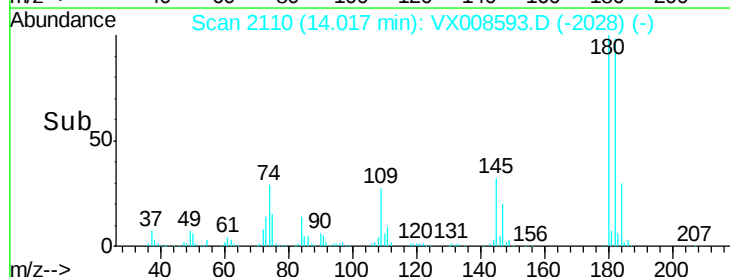


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

14.02



Time-->