

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042319\
 Data File : VX009113.D
 Acq On : 23 Apr 2019 12:10
 Operator : JC/SP
 Sample : VX0423WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBS02

Manual Integrations
 APPROVED

MMDadoda
 4/24/2019 12:28:27 PM

Quant Time: Apr 24 05:14:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	201482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	327332	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	284644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	134269	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	152155	53.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.18%	
35) Dibromofluoromethane	5.49	113	112312	53.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.92%	
50) Toluene-d8	8.71	98	448107	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	
62) 4-Bromofluorobenzene	11.13	95	156962	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	52297	22.535	ug/l	100
3) Chloromethane	1.32	50	62033	21.773	ug/l	100
4) Vinyl Chloride	1.41	62	60332	21.757	ug/l	97
5) Bromomethane	1.64	94	34318	22.090	ug/l	99
6) Chloroethane	1.72	64	34809	21.347	ug/l	96
7) Trichlorofluoromethane	1.93	101	70031	21.631	ug/l	100
8) Diethyl Ether	2.19	74	31514	21.284	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	44686	21.587	ug/l	99
10) Methyl Iodide	2.51	142	44828	22.472	ug/l	100
11) Tert butyl alcohol	3.04	59	69795	110.736	ug/l	99
12) 1,1-Dichloroethene	2.37	96	45594	21.102	ug/l	97
13) Acrolein	2.29	56	40273	73.951	ug/l	98
14) Allyl chloride	2.73	41	104001	22.063	ug/l	99
15) Acrylonitrile	3.14	53	178115	111.325	ug/l	100
16) Acetone	2.44	43	173680	117.951	ug/l	99
17) Carbon Disulfide	2.57	76	132637	21.620	ug/l	99
18) Methyl Acetate	2.78	43	81008	22.043	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	169612	22.031	ug/l	100
20) Methylene Chloride	2.85	84	53415	21.212	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	48336	20.974	ug/l	98
22) Diisopropyl ether	3.85	45	208147	22.724	ug/l	99
23) Vinyl Acetate	3.81	43	926575	115.075	ug/l	99
24) 1,1-Dichloroethane	3.70	63	100019	21.752	ug/l	100
25) 2-Butanone	4.67	43	271896	115.521	ug/l	98
26) 2,2-Dichloropropane	4.59	77	73936	21.451	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	56082	21.433	ug/l	99
28) Bromochloromethane	5.01	49	46748	23.453	ug/l	98
29) Tetrahydrofuran	5.13	42	174854	110.994	ug/l	99
30) Chloroform	5.21	83	90617	22.023	ug/l	100
31) Cyclohexane	5.58	56	98601	21.802	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	74960	21.981	ug/l	99
36) 1,1-Dichloropropene	5.80	75	70250	20.751	ug/l	99
37) Ethyl Acetate	4.84	43	99372	22.812	ug/l	100
38) Carbon Tetrachloride	5.79	117	61913	21.573	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	87946	21.337	ug/l	98
40) Benzene	6.14	78	218351	21.864	ug/l	99
41) Methacrylonitrile	5.04	41	55809	22.323	ug/l	99
42) 1,2-Dichloroethane	6.19	62	77128	21.801	ug/l	99
43) Isopropyl Acetate	6.45	43	155088	22.093	ug/l	99
44) Trichloroethene	7.21	130	50993	20.839	ug/l	95
45) 1,2-Dichloropropane	7.51	63	61643	22.249	ug/l	99
46) Dibromomethane	7.66	93	34704	21.523	ug/l	99
47) Bromodichloromethane	7.90	83	67992	21.499	ug/l	98
48) Methyl methacrylate	7.77	41	77266	22.276	ug/l	100
49) 1,4-Dioxane	7.74	88	27904	429.810	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	506300	113.210	ug/l	99
52) Toluene	8.78	92	128733	21.508	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	78750	21.636	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	87664	21.510	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	52348	22.068	ug/l	98
56) Ethyl methacrylate	9.18	69	93736	22.037	ug/l	99
57) 1,3-Dichloropropane	9.37	76	93428	22.120	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	235728	102.914	ug/l	99
59) 2-Hexanone	9.49	43	392925	113.958	ug/l	99
60) Dibromochloromethane	9.58	129	50137	22.053	ug/l	99
61) 1,2-Dibromoethane	9.67	107	52963	21.633	ug/l	97
64) Tetrachloroethene	9.34	164	46318	21.420	ug/l	97
65) Chlorobenzene	10.14	112	131026	21.808	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	47261	22.329	ug/l	99
67) Ethyl Benzene	10.25	91	240907	21.935	ug/l	99
68) m/p-Xylenes	10.36	106	172897	43.316	ug/l	99
69) o-Xylene	10.69	106	85143	21.923	ug/l	99
70) Styrene	10.71	104	144920	21.533	ug/l	98
71) Bromoform	10.85	173	36196	21.466	ug/l	# 99
73) Isopropylbenzene	11.02	105	225514	22.158	ug/l	99
74) N-amyl acetate	10.90	43	132116	22.608	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	83999	22.589	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	84144m	25.665	ug/l	
77) Bromobenzene	11.26	156	55410	21.578	ug/l	99
78) n-propylbenzene	11.36	91	261215	22.362	ug/l	99
79) 2-Chlorotoluene	11.42	91	155127	22.037	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	192094	22.492	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	26983	21.129	ug/l	92
82) 4-Chlorotoluene	11.51	91	176967	21.647	ug/l	100
83) tert-Butylbenzene	11.77	119	180843	22.055	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	194193	22.338	ug/l	99
85) sec-Butylbenzene	11.94	105	218249	22.317	ug/l	100
86) p-Isopropyltoluene	12.06	119	197756	21.995	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	95020	21.142	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	94853	20.820	ug/l	99
89) n-Butylbenzene	12.38	91	180437	21.549	ug/l	100
90) Hexachloroethane	12.60	117	32416	21.857	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	94270	21.242	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17928	21.175	ug/l	97

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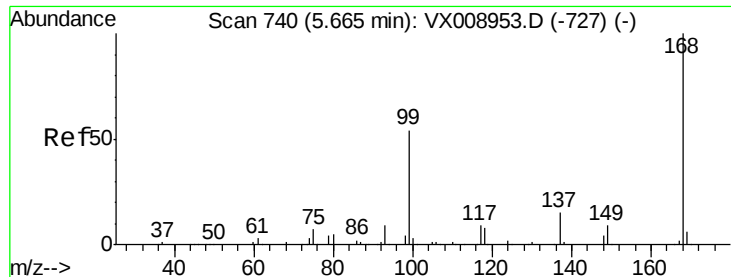
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	66053	20.618	ug/l	100
94) Hexachlorobutadiene	13.78	225	34463	21.569	ug/l	99
95) Naphthalene	13.83	128	215167	20.964	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	65651	20.770	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS02

Tot Ion:168 Resp: 201482

Ion Ratio Lower Upper

168 100

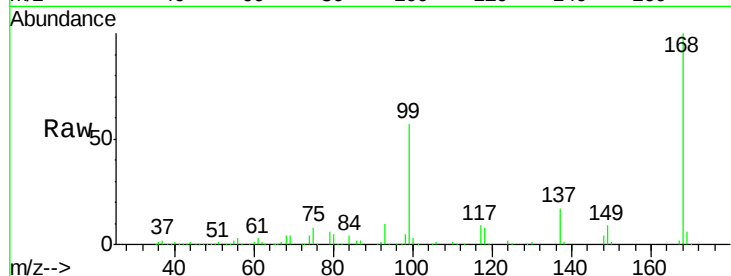
99 56.5 43.0 64.6

Manual Integrations

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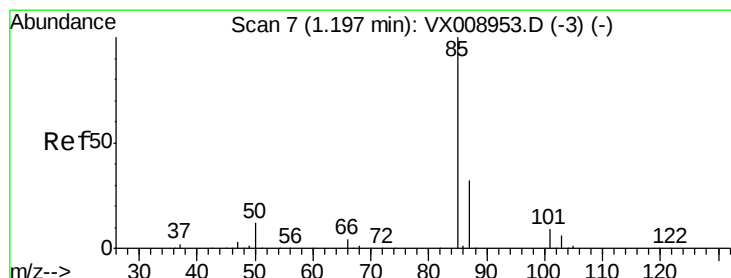
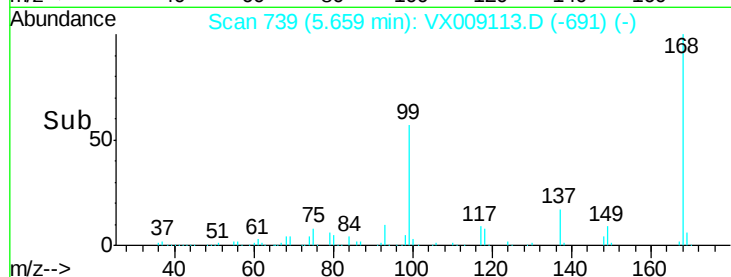


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 22.535 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009113.D

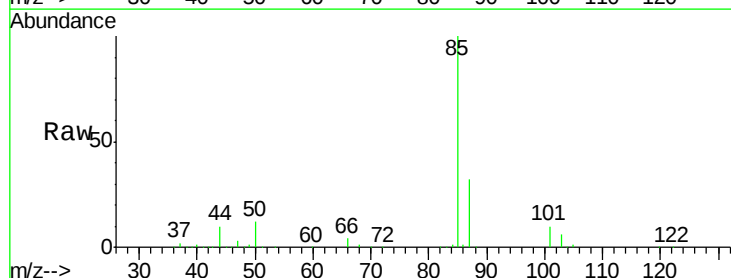
Acq: 23 Apr 2019 12:10

Tgt Ion: 85 Resp: 52297

Ion Ratio Lower Upper

85 100

87 32.1 16.0 47.9

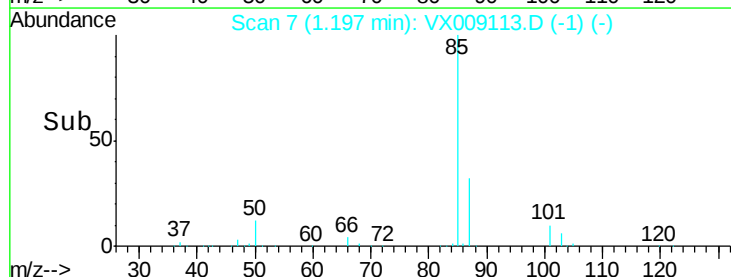


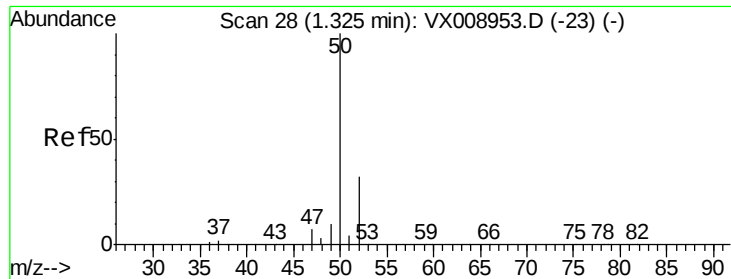
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->





#3

Chloromethane

Concen: 21.773 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS02

Tot Ion: 50 Resp: 62033

Ion Ratio Lower Upper

50 100

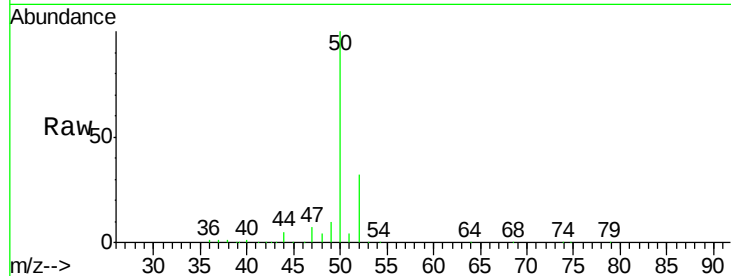
52 32.1 25.5 38.3

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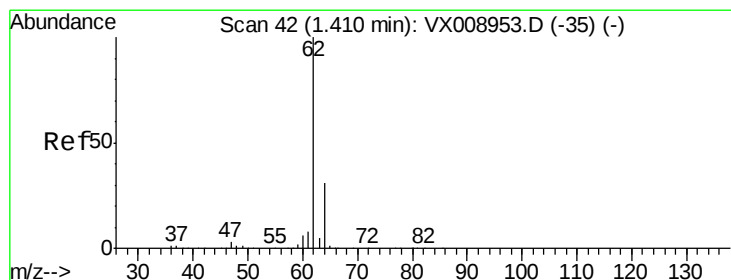
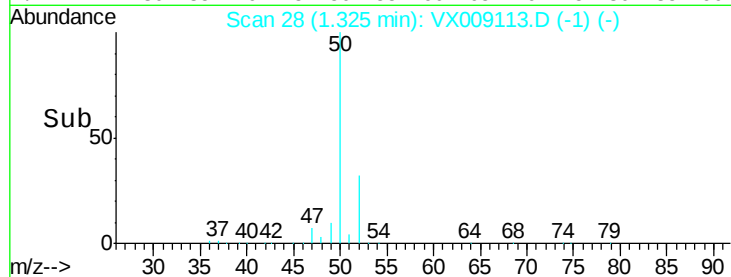
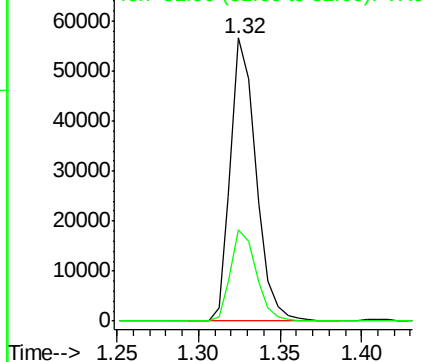
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.757 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009113.D

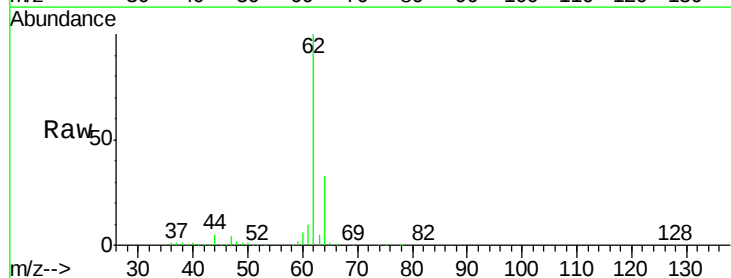
Acq: 23 Apr 2019 12:10

Tgt Ion: 62 Resp: 60332

Ion Ratio Lower Upper

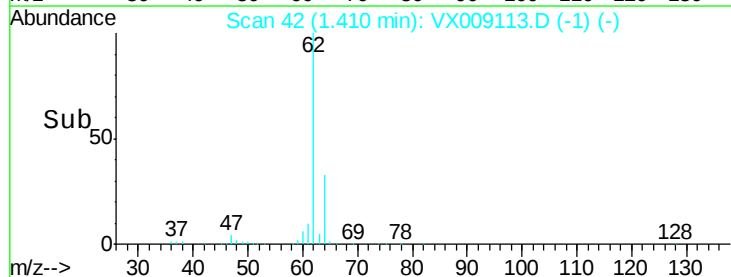
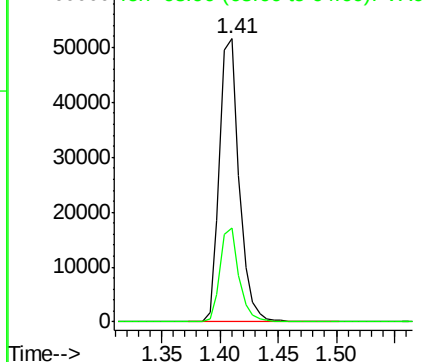
62 100

64 33.0 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 22.090 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS02

Tot Ion: 94 Resp: 34318

Ion Ratio Lower Upper

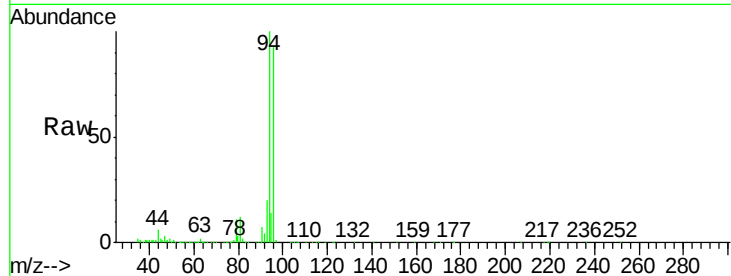
94 100

96 93.6 73.9 110.9

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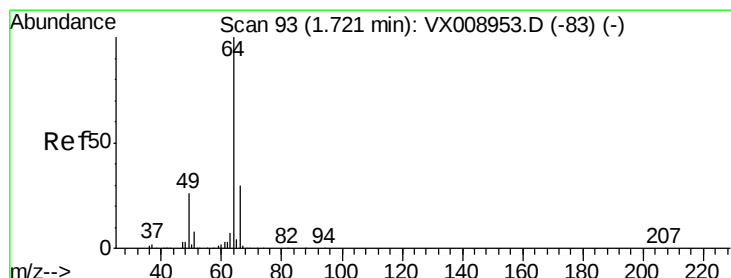
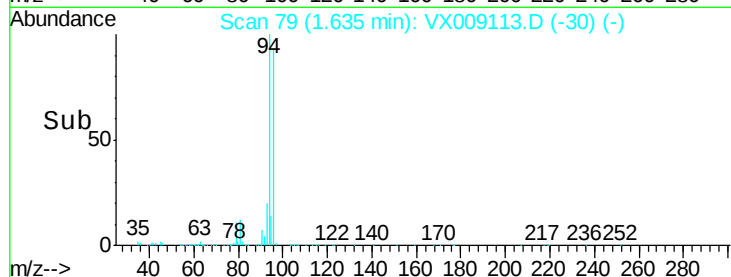
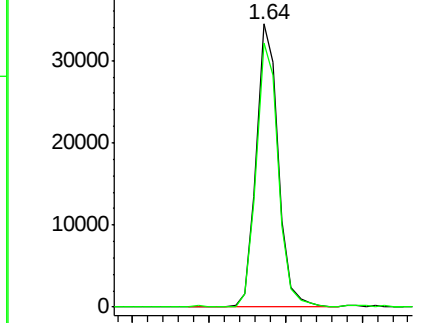
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.347 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009113.D

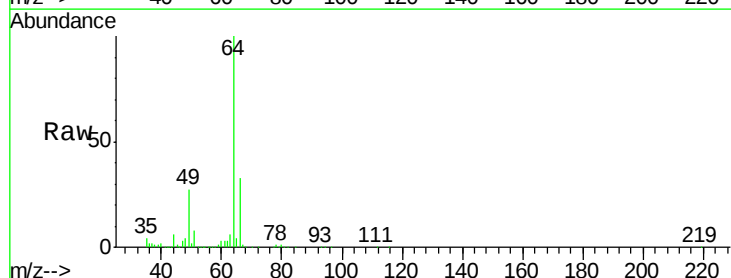
Acq: 23 Apr 2019 12:10

Tgt Ion: 64 Resp: 34809

Ion Ratio Lower Upper

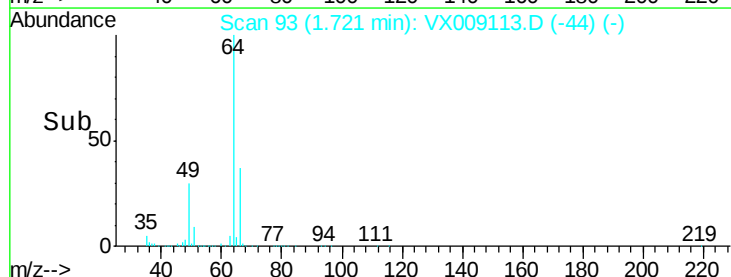
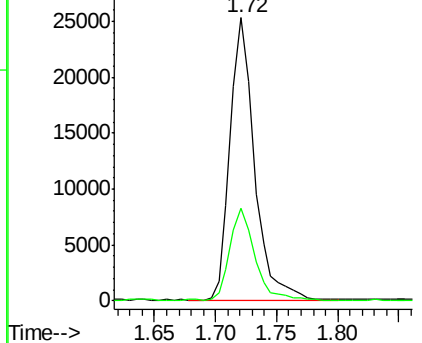
64 100

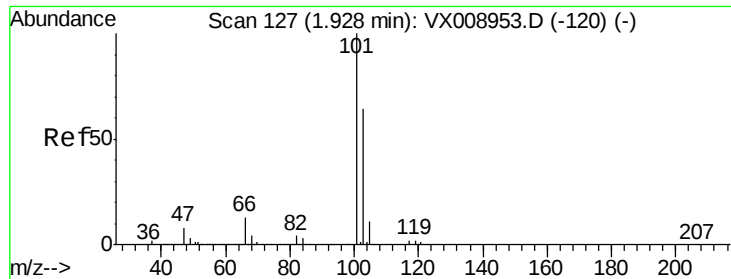
66 32.5 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

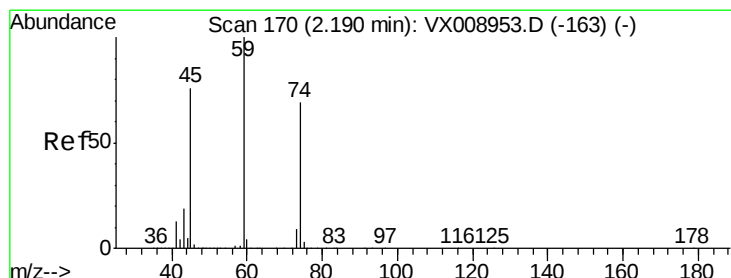
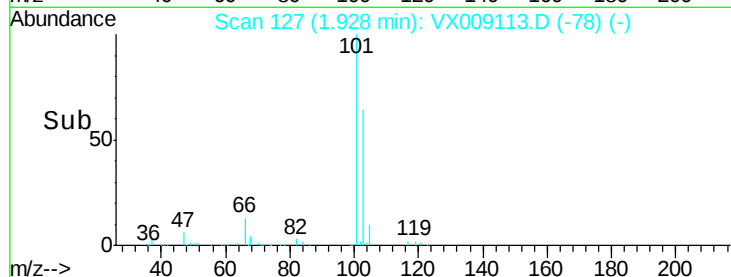
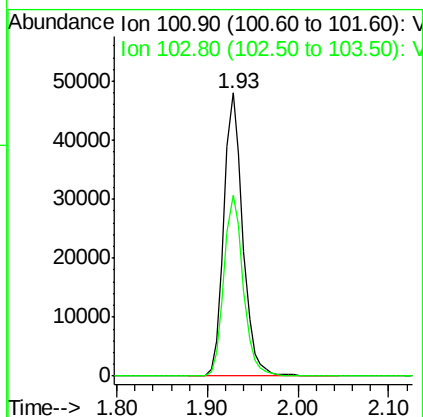
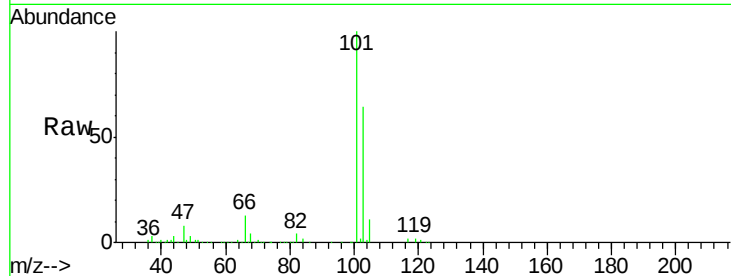
Trichlorofluoromethane
Concen: 21.631 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.0	76.6

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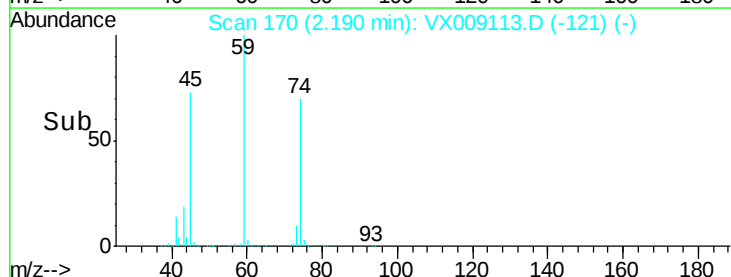
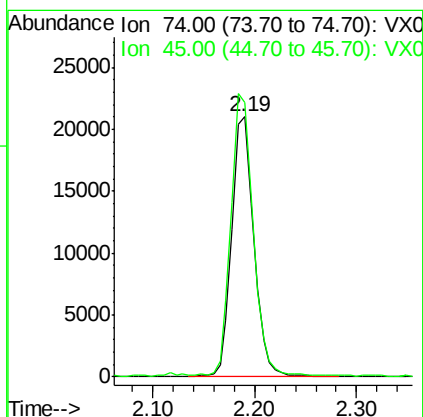
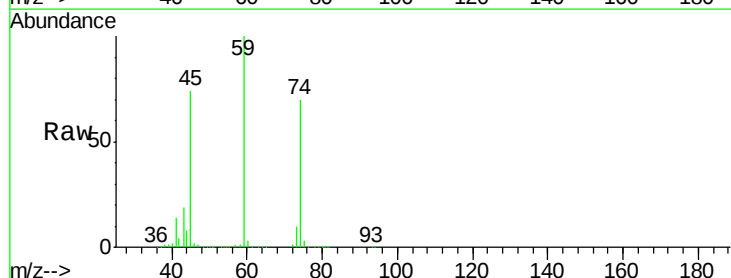
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#8

Diethyl Ether
Concen: 21.284 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.8	54.9	164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.587 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Instrument :

MSVOA_X

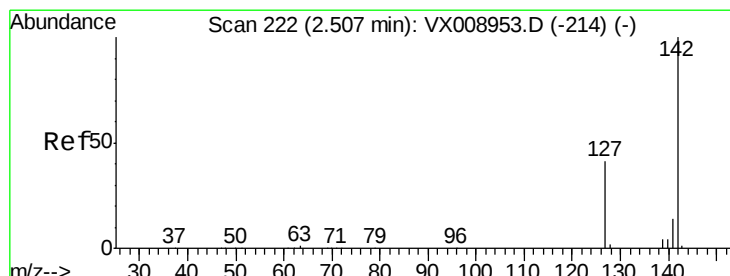
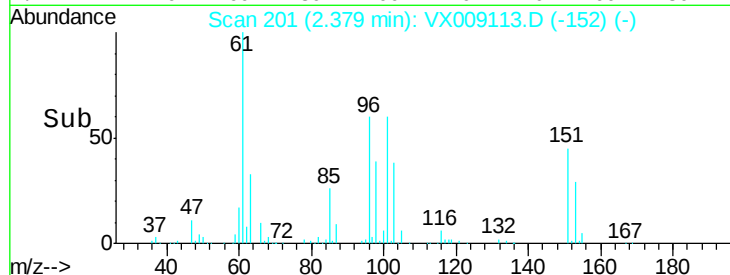
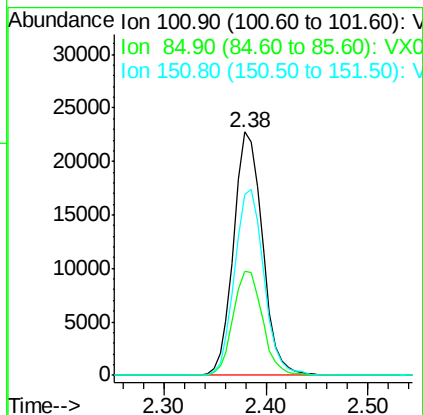
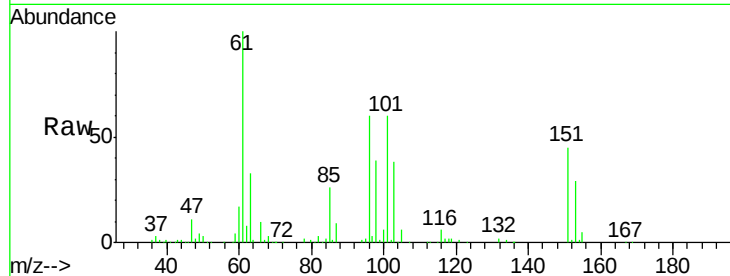
ClientSampleId :

VX0423WBS02

Tot Ion:	101	Resp:	44686
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.7	53.5
151	77.4	62.7	94.1

Manual Integrations
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#10

Methyl Iodide

Concen: 22.472 ug/l

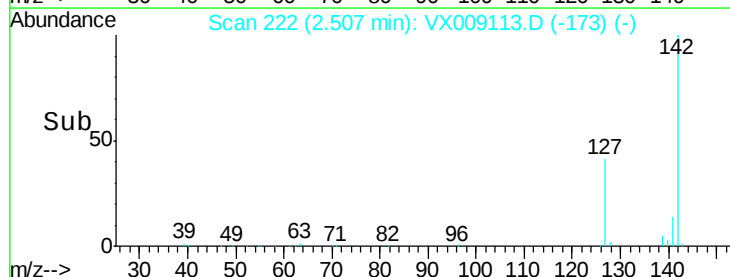
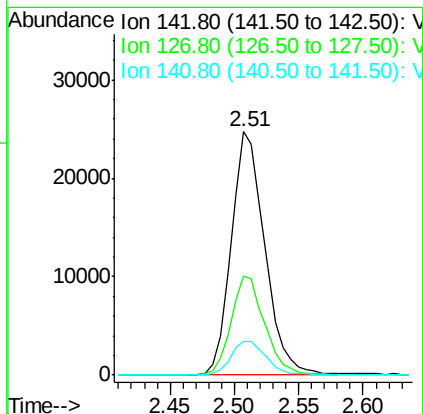
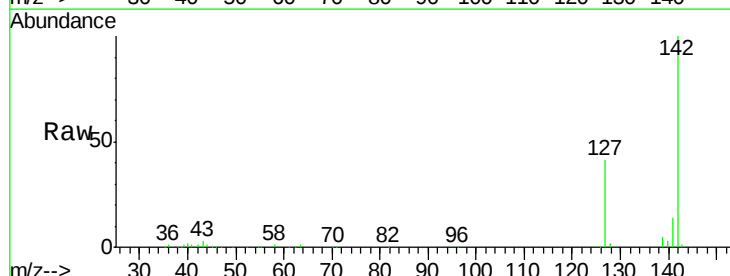
RT: 2.51 min Scan# 222

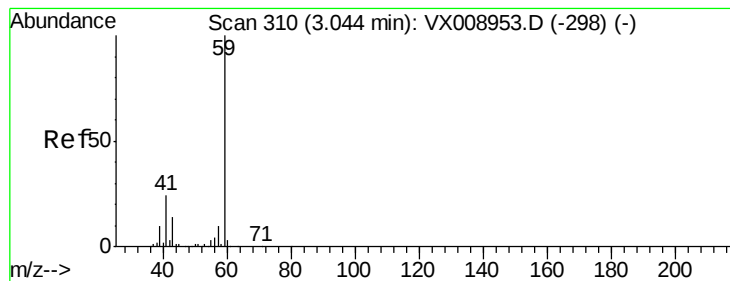
Delta R.T. 0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Tgt Ion:	142	Resp:	44828
Ion Ratio	Lower	Upper	
142	100		
127	41.2	32.8	49.2
141	14.6	11.4	17.2





#11

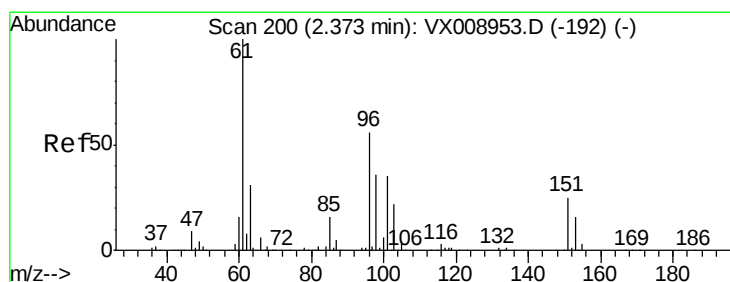
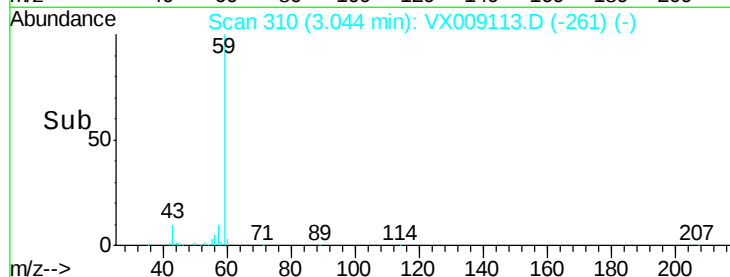
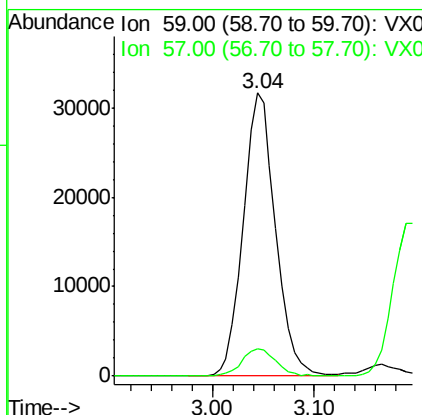
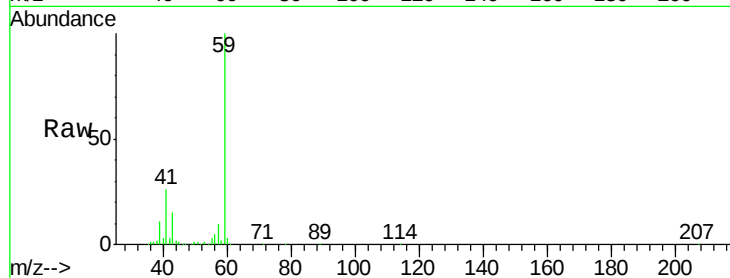
Tert butyl alcohol
Concen: 110.736 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS02

Tot Ion	59	Resp	69795
Ion Ratio	100	Lower	Upper
57	10.3	8.4	12.6

Manual Integrations
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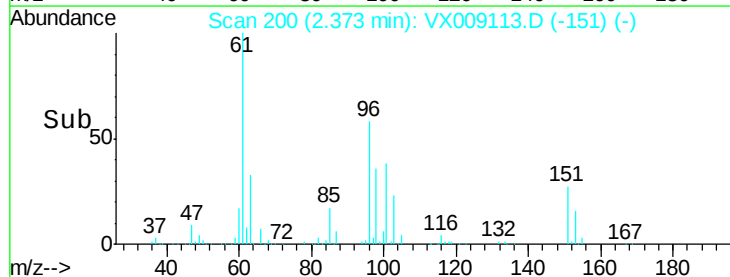
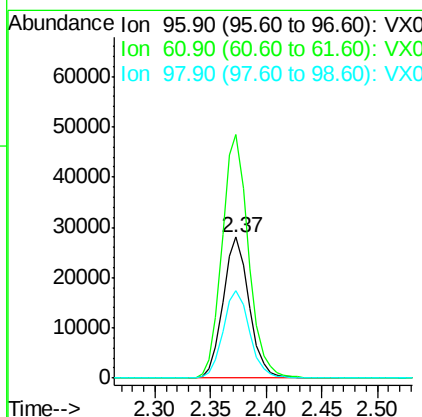
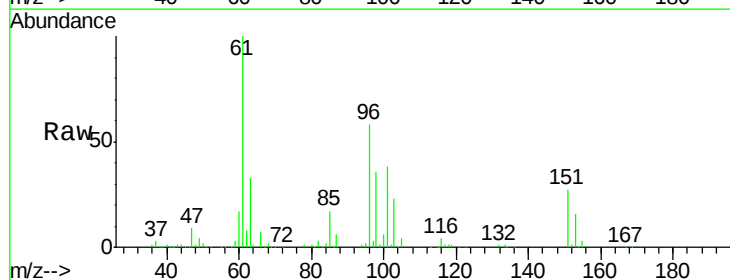
MMDadoda
4/24/2019 12:28:27 PM

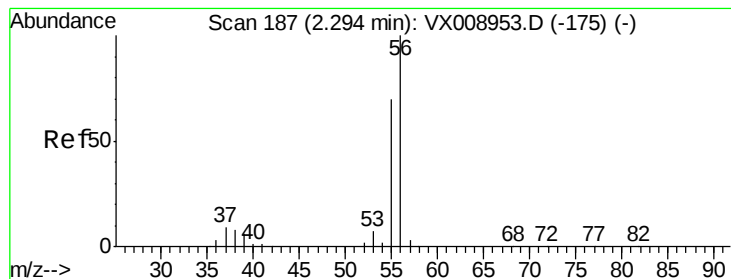


#12

1,1-Dichloroethene
Concen: 21.102 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Tgt Ion	96	Resp	45594
Ion Ratio	100	Lower	Upper
61	172.1	142.2	213.2
98	62.3	50.9	76.3





#13

Acrolein

Concen: 73.951 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS02

Tot Ion: 56 Resp: 40273

Ion Ratio Lower Upper

56 100

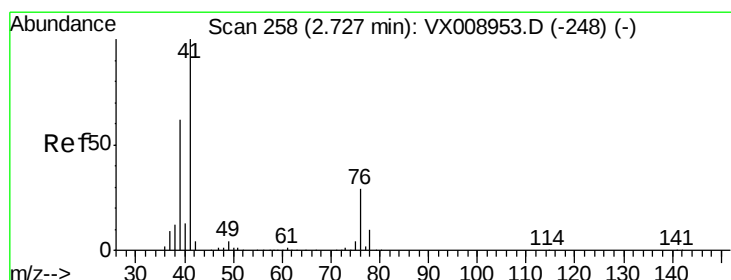
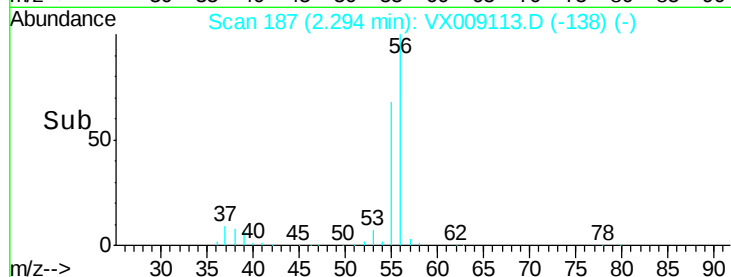
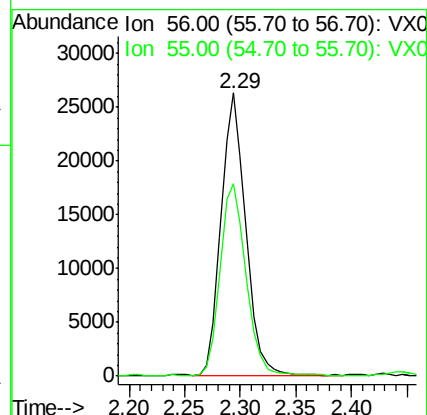
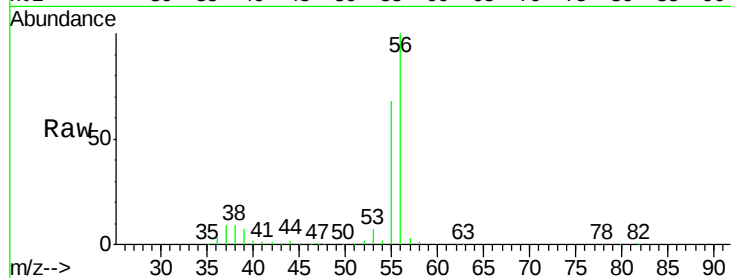
55 72.0 56.6 84.8

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 22.063 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

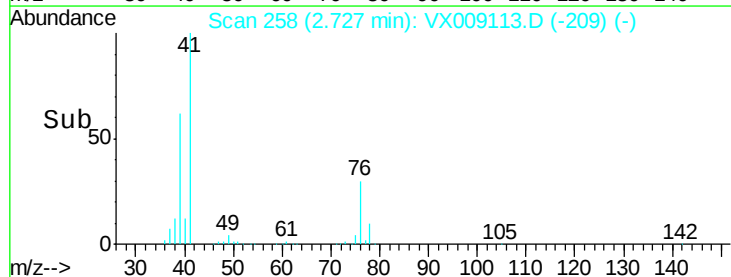
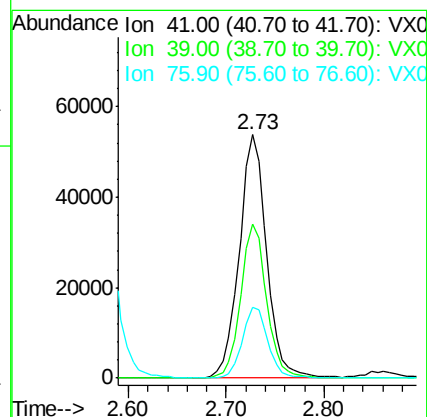
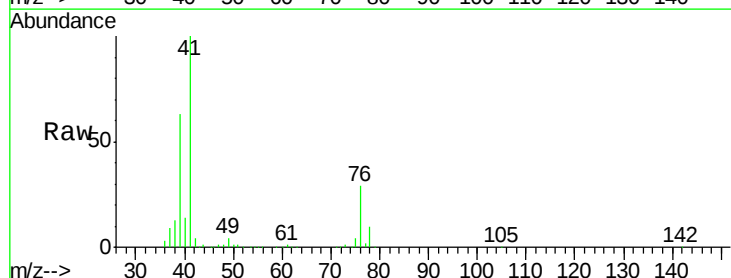
Tgt Ion: 41 Resp: 104001

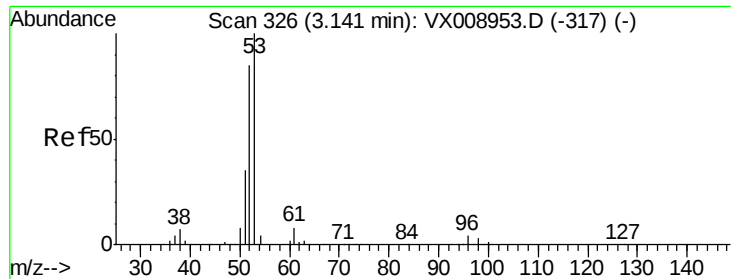
Ion Ratio Lower Upper

41 100

39 59.6 46.7 70.1

76 27.7 22.0 33.0





#15

Acrylonitrile

Concen: 111.325 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Instrument :

MSVOA_X

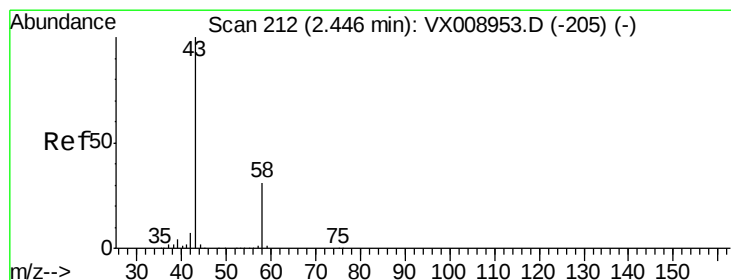
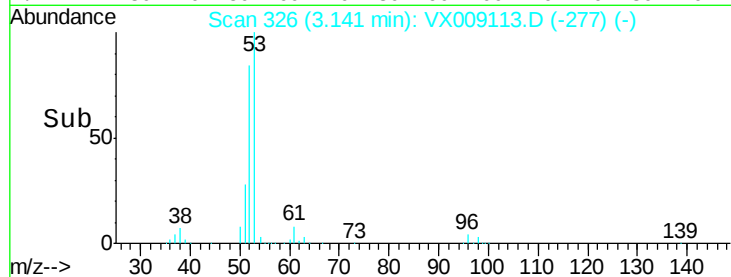
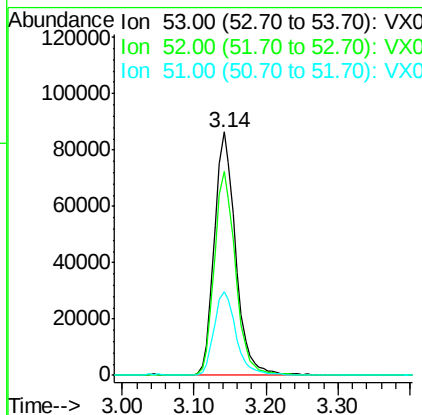
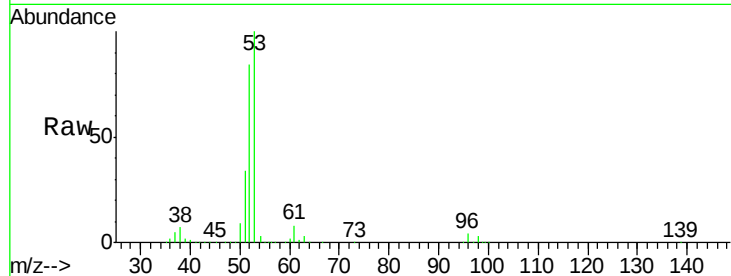
ClientSampleId :

VX0423WBS02

Tot Ion:	53	Resp:	178115
Ion Ratio		Lower	Upper
53	100		
52	82.8	66.6	100.0
51	35.2	28.3	42.5

Manual Integrations
APPROVED

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#16

Acetone

Concen: 117.951 ug/l

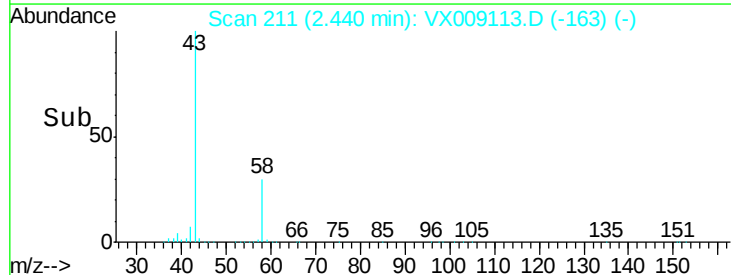
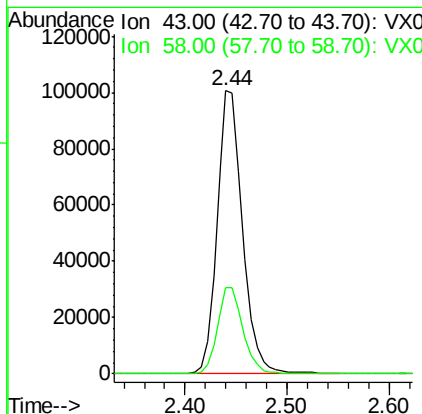
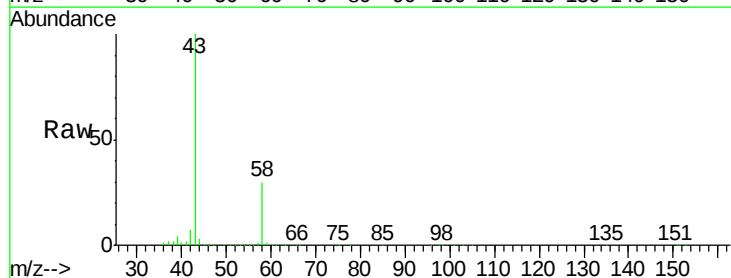
RT: 2.44 min Scan# 211

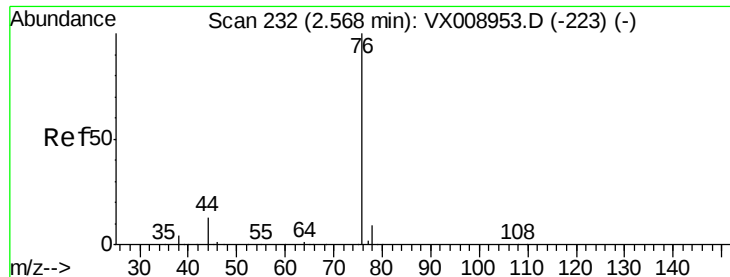
Delta R.T. -0.01 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Tgt Ion:	43	Resp:	173680
Ion Ratio		Lower	Upper
43	100		
58	30.3	24.8	37.2





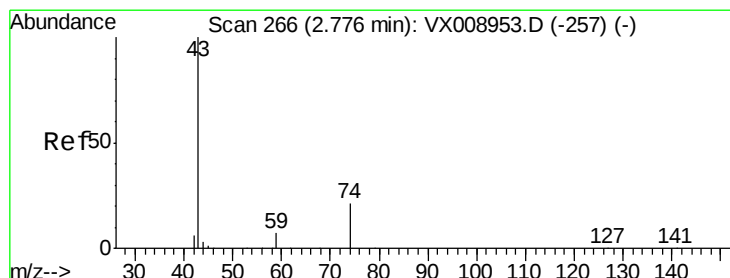
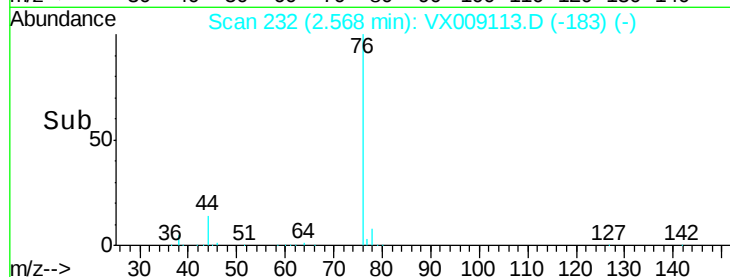
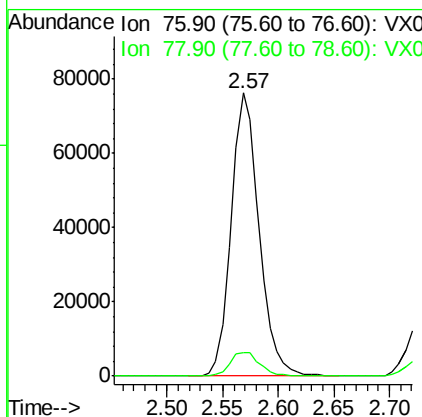
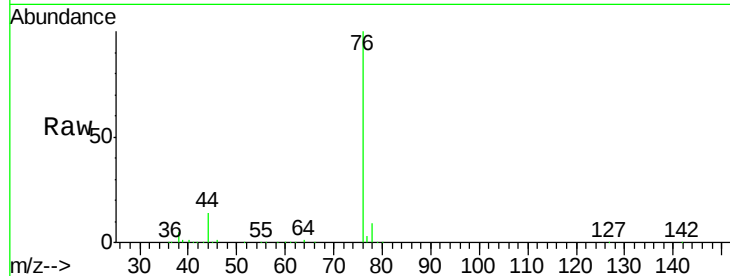
#17
Carbon Disulfide
Concen: 21.620 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.2	10.8

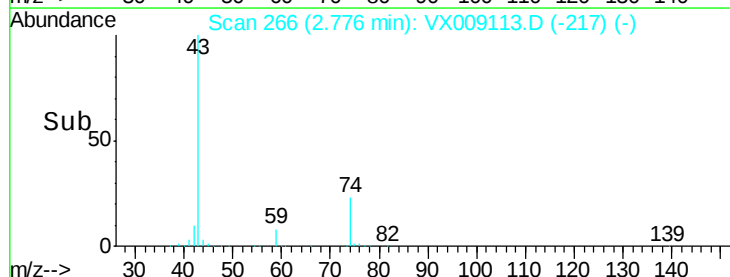
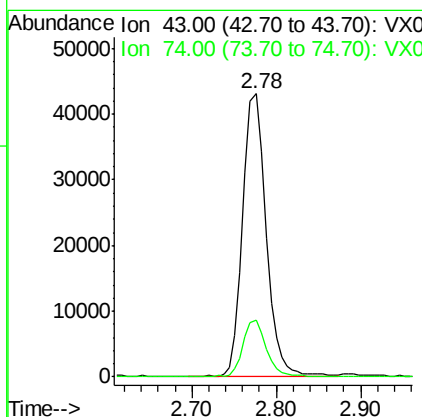
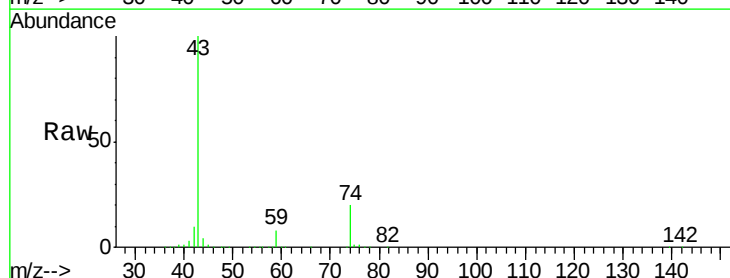
Manual Integrations
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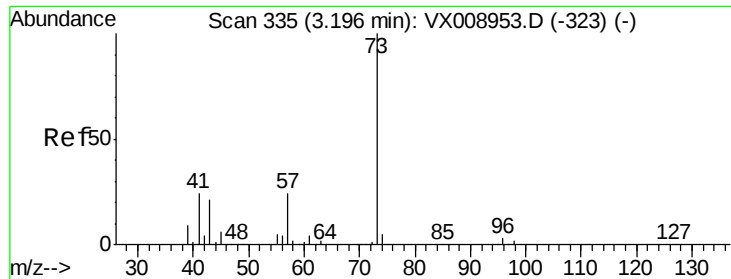
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#18
Methyl Acetate
Concen: 22.043 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	16.6	25.0





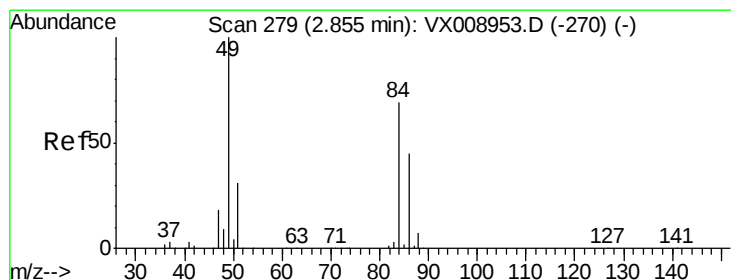
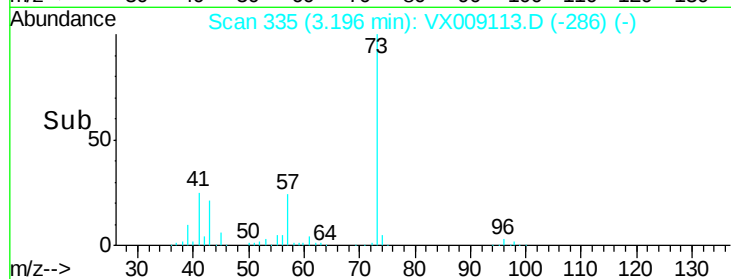
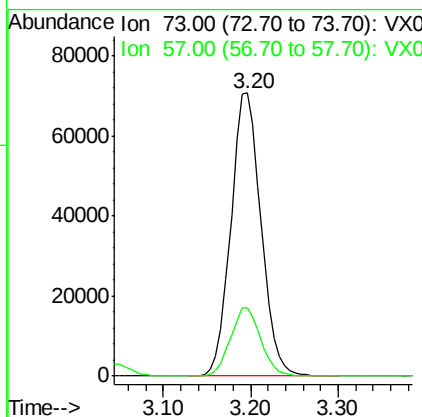
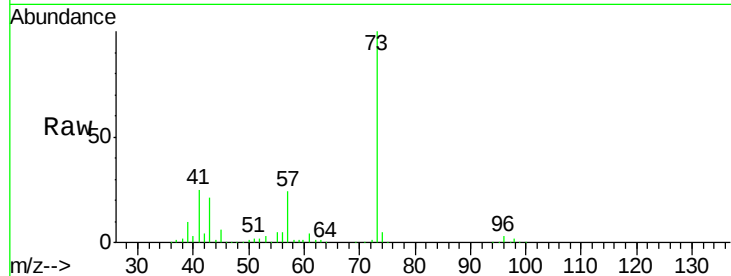
#19
Methyl tert-butyl Ether
Concen: 22.031 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS02

Tot Ion: 73 Resp: 169612
Ion Ratio Lower Upper
73 100
57 24.1 19.2 28.8

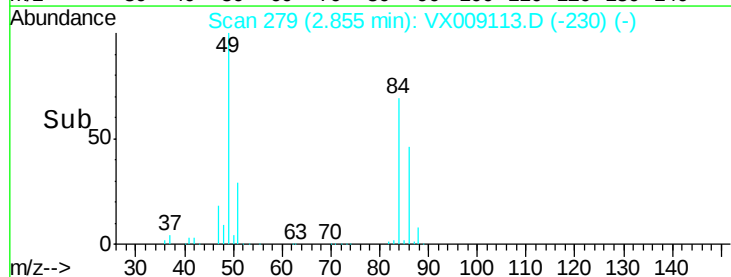
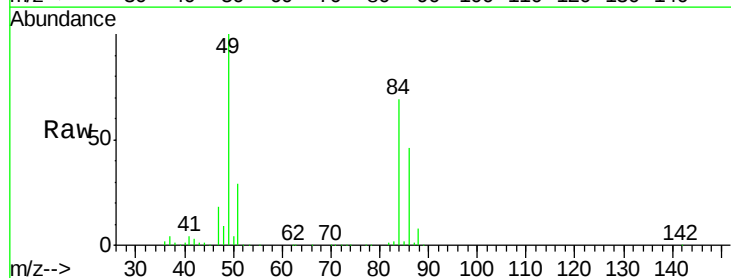
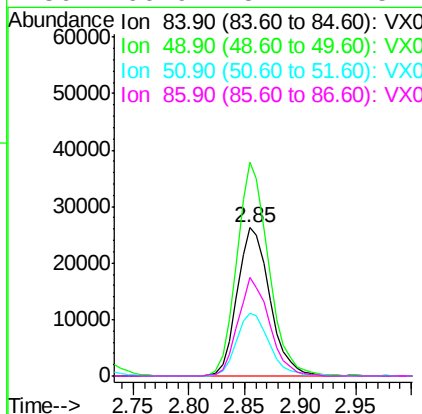
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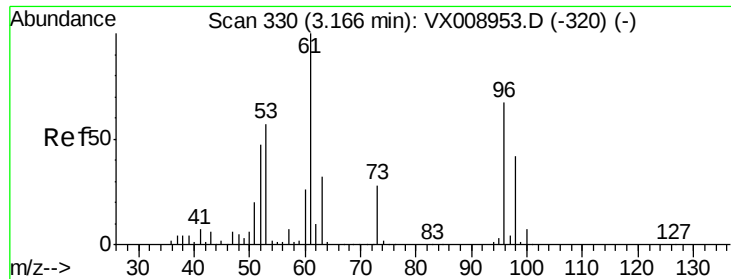
MMDadoda
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#20
Methylene Chloride
Concen: 21.212 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Tgt Ion: 84 Resp: 53415
Ion Ratio Lower Upper
84 100
49 143.9 115.4 173.0
51 42.1 35.8 53.6
86 66.9 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 20.974 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS02

Tot Ion: 96 Resp: 48336

Ion Ratio Lower Upper

96 100

61 154.4 120.3 180.5

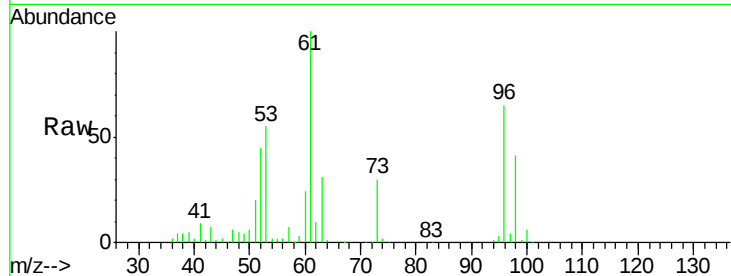
98 63.0 50.2 75.2

Manual Integrations

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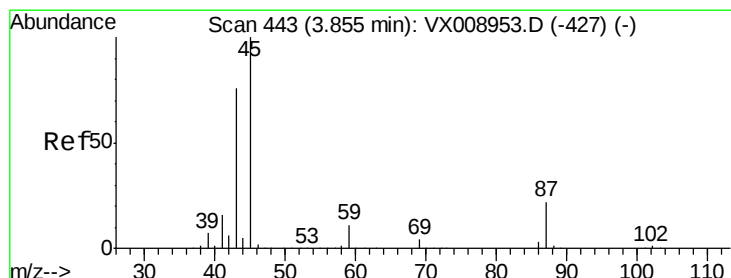
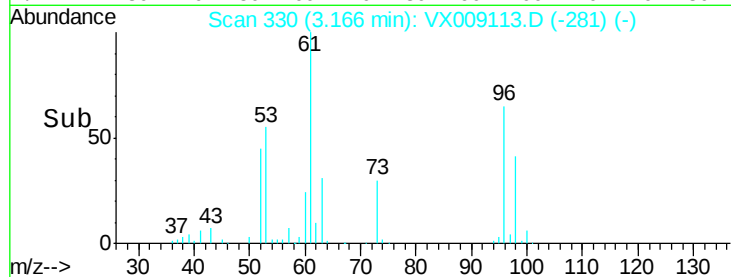
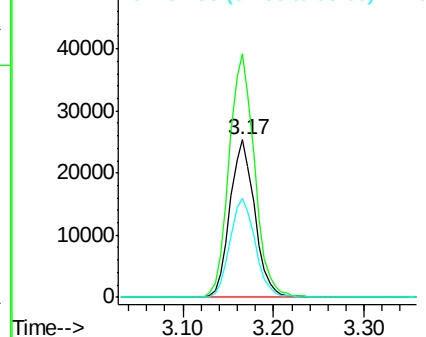


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 22.724 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Tgt Ion: 45 Resp: 208147

Ion Ratio Lower Upper

45 100

43 74.6 60.6 91.0

87 22.2 17.8 26.8

59 10.7 8.7 13.1

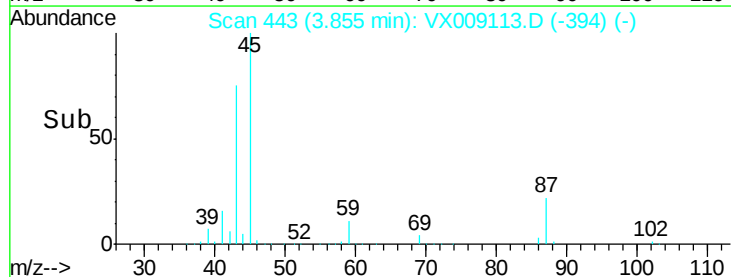
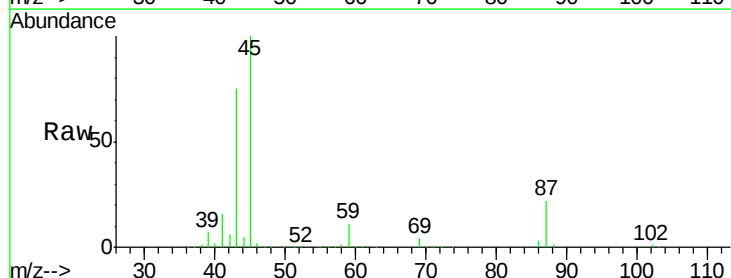
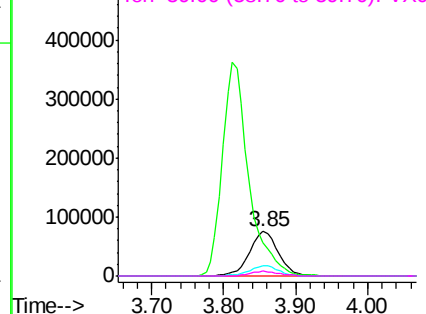
Abundance

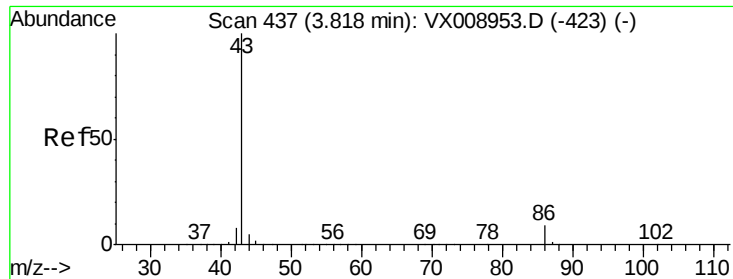
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 115.075 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS02

Tot Ion: 43 Resp: 926575

Ion Ratio Lower Upper

43 100

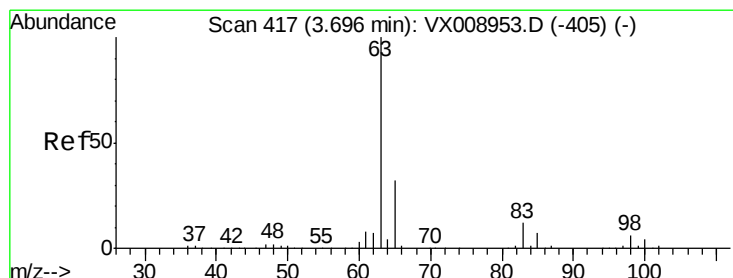
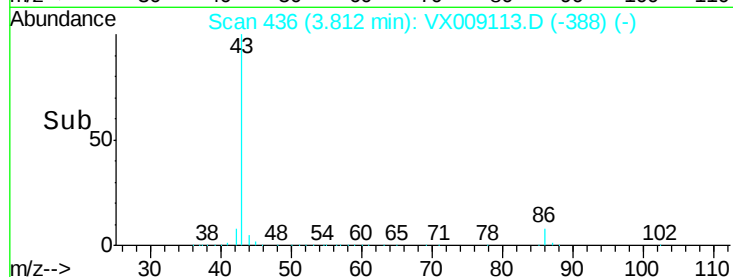
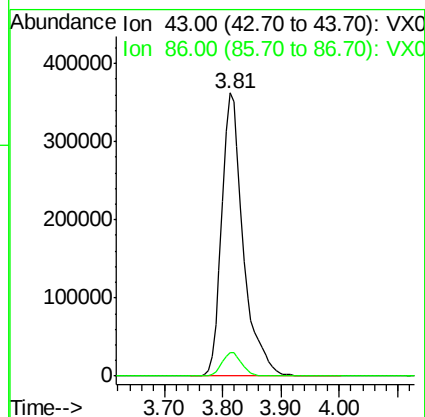
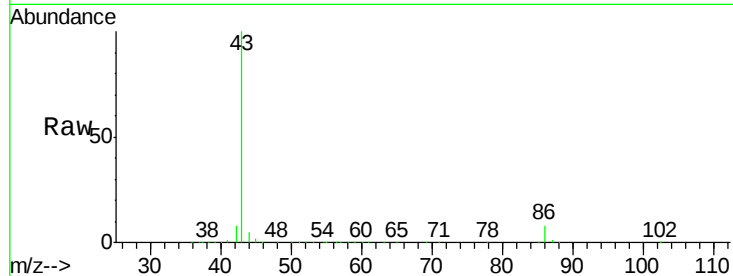
86 8.5 7.1 10.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.752 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

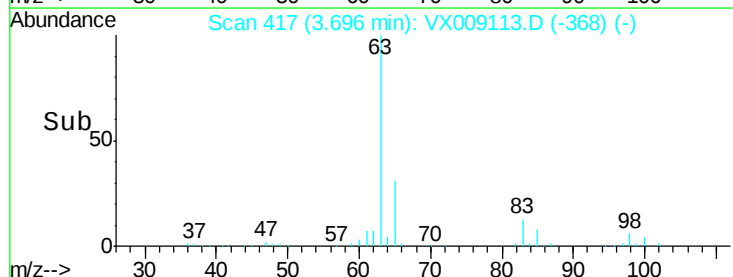
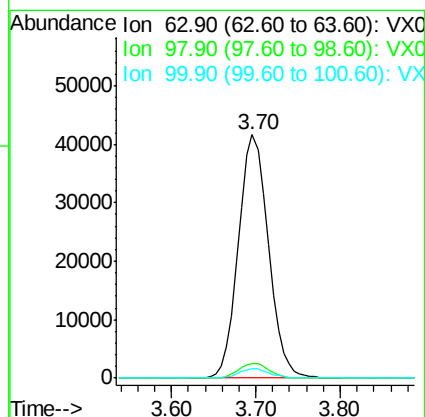
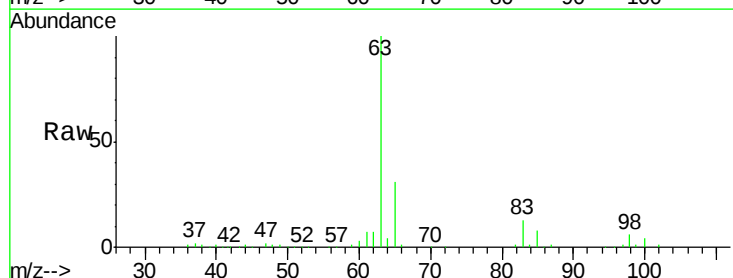
Tgt Ion: 63 Resp: 100019

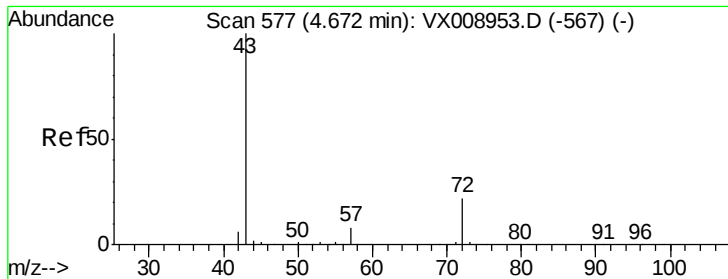
Ion Ratio Lower Upper

63 100

98 6.1 3.1 9.3

100 3.8 1.9 5.7





#25

2-Butanone

Concen: 115.521 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS02

Tot Ion: 43 Resp: 271896

Ion Ratio Lower Upper

43 100

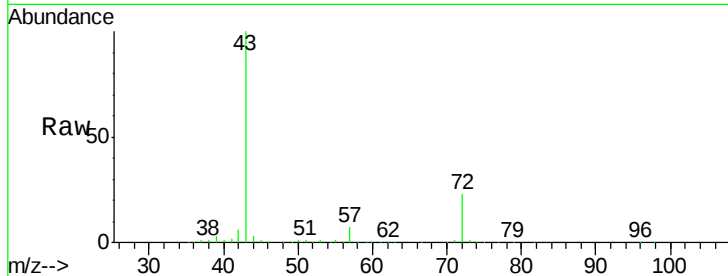
72 23.0 17.5 26.3

Manual Integrations

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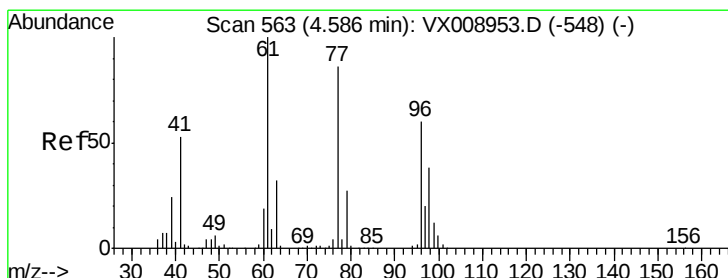
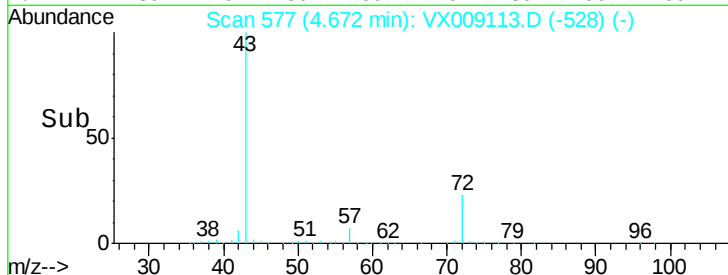
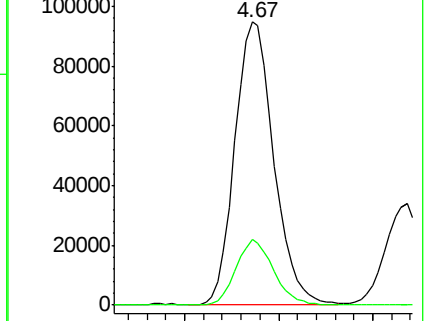
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 21.451 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX009113.D

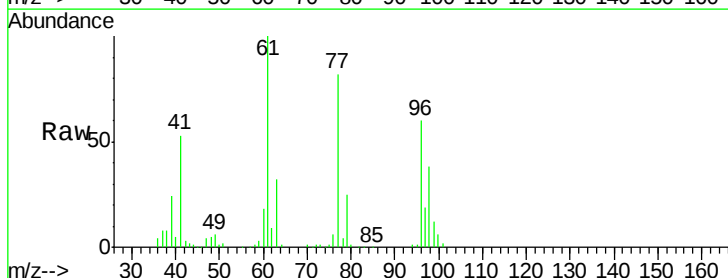
Acq: 23 Apr 2019 12:10

Tgt Ion: 77 Resp: 73936

Ion Ratio Lower Upper

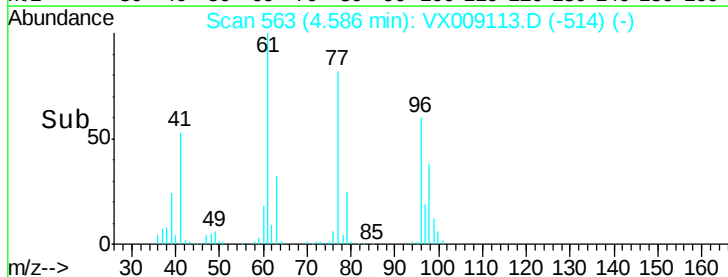
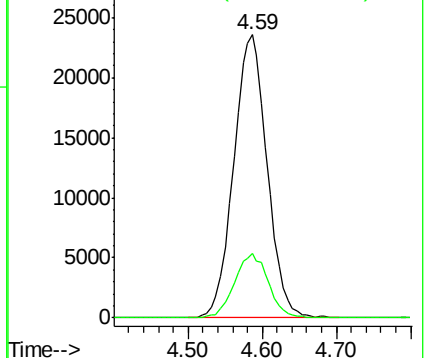
77 100

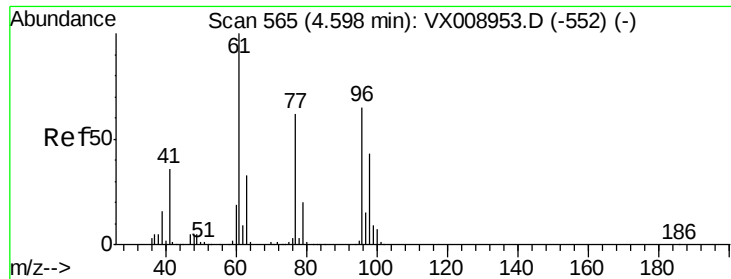
97 23.0 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

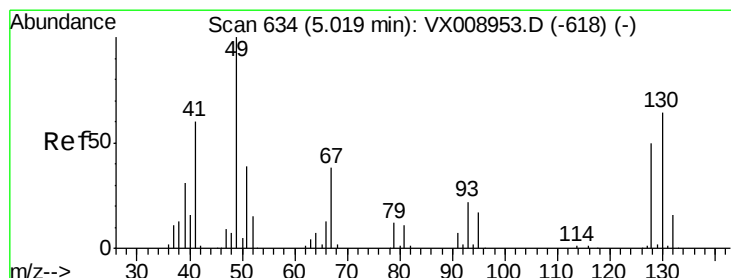
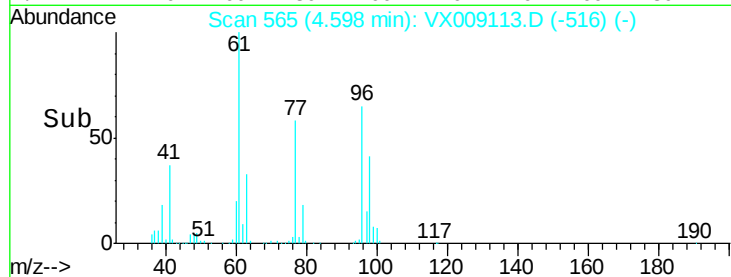
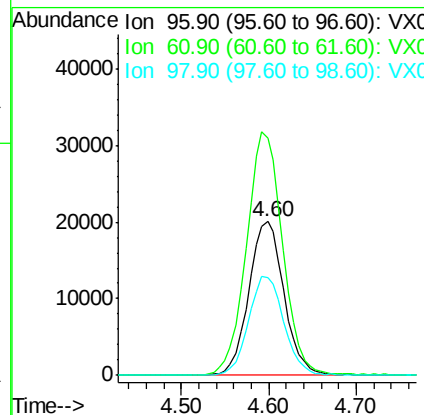
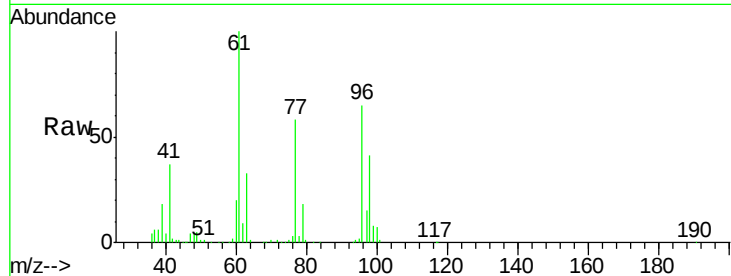
cis-1,2-Dichloroethene
Concen: 21.433 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.7	0.0	322.0
98	65.2	0.0	128.4

Manual Integrations
APPROVED

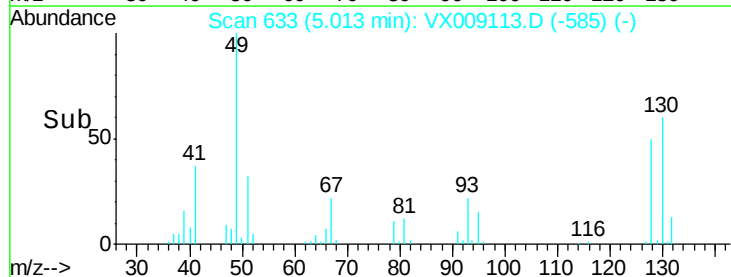
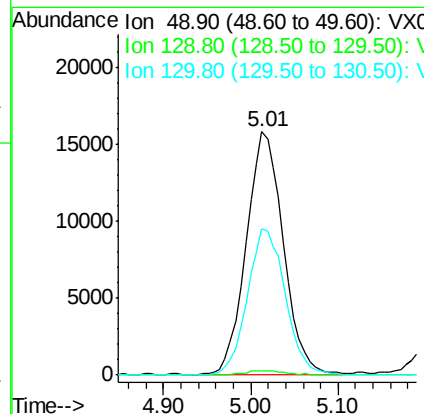
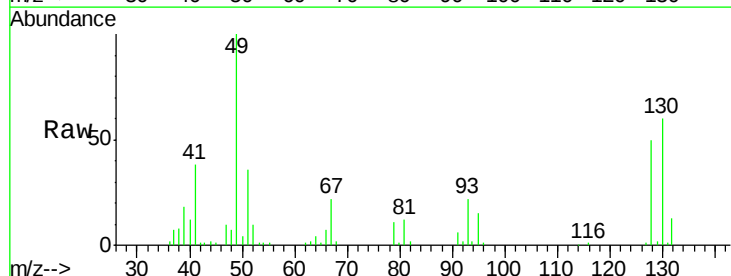
MMDadoda
4/24/2019 12:28:27 PM

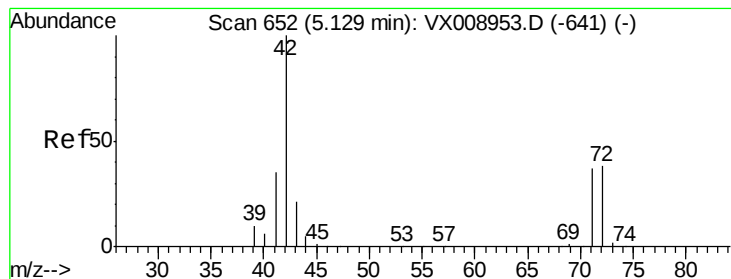


#28

Bromochloromethane
Concen: 23.453 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	61.4	50.4	75.6





#29

Tetrahydrofuran

Concen: 110.994 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Instrument :

MSVOA_X

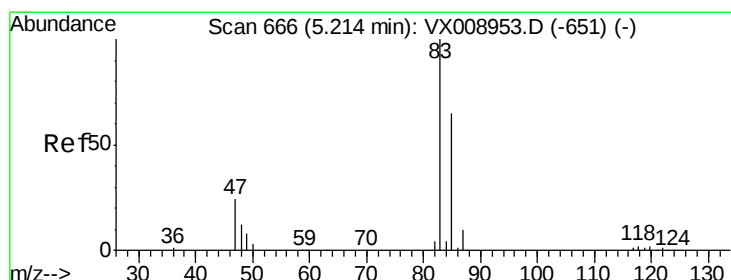
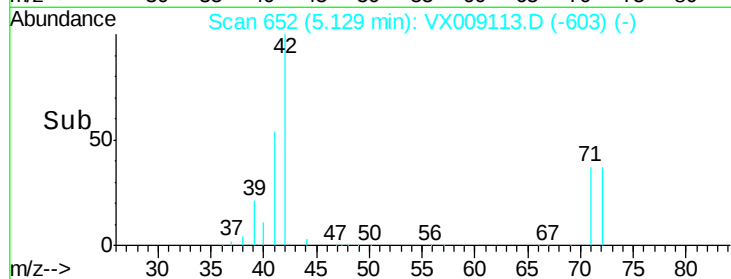
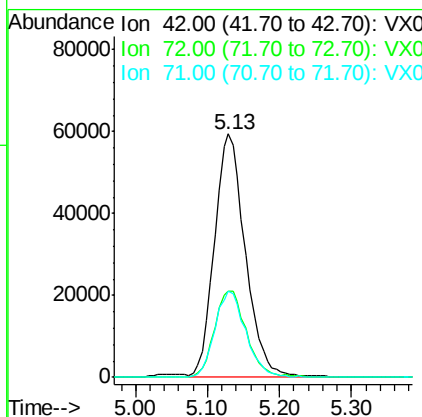
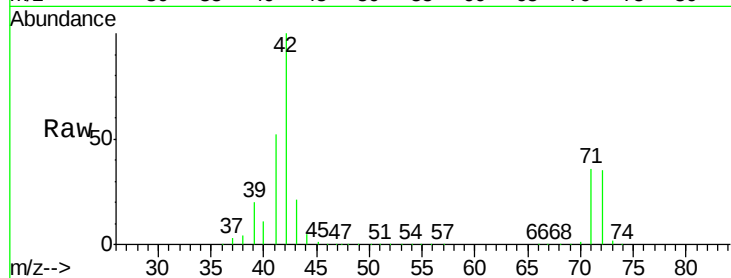
ClientSampleId :

VX0423WBS02

Tot Ion:	42	Resp:	174854
Ion	Ratio	Lower	Upper
42	100		
72	37.4	30.6	45.8
71	36.1	28.8	43.2

Manual Integrations
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#30

Chloroform

Concen: 22.023 ug/l

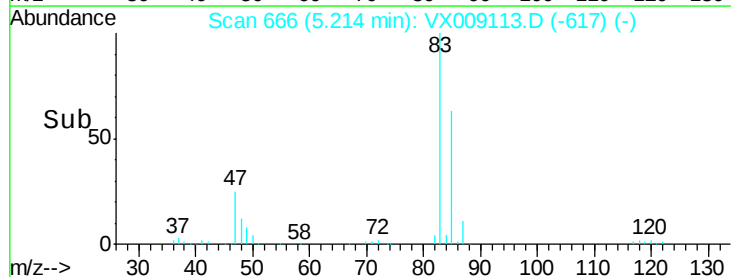
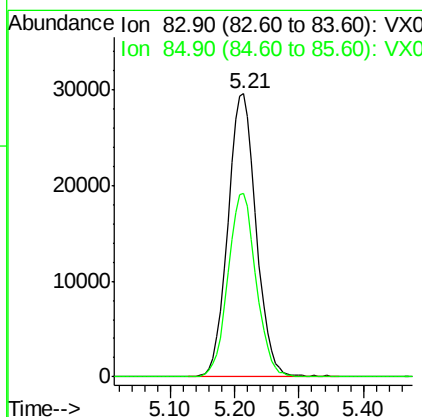
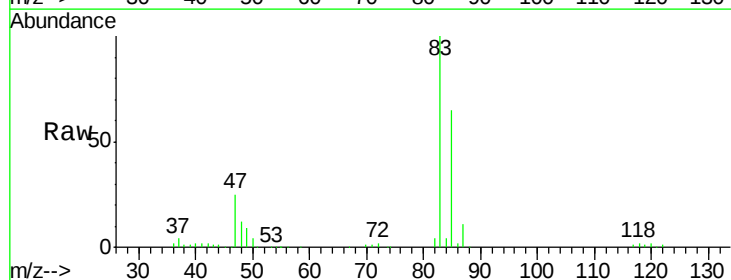
RT: 5.21 min Scan# 666

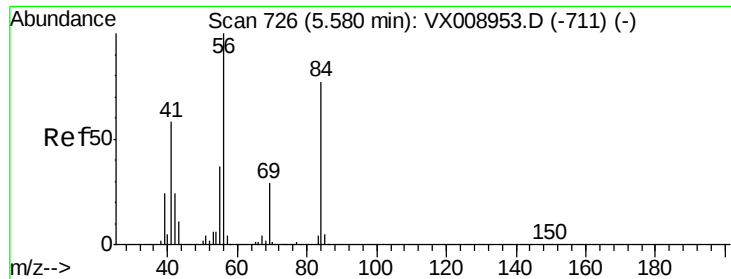
Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Tgt Ion:	83	Resp:	90617
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.9	77.9





#31

Cyclohexane

Concen: 21.802 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Instrument :

MSVOA_X

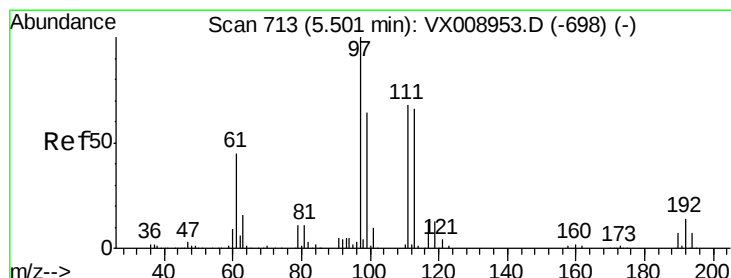
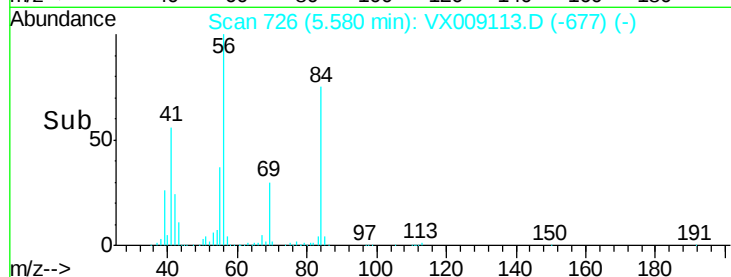
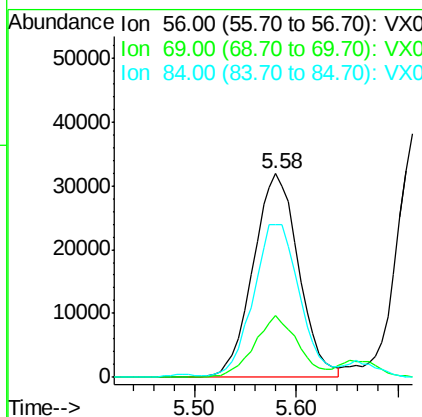
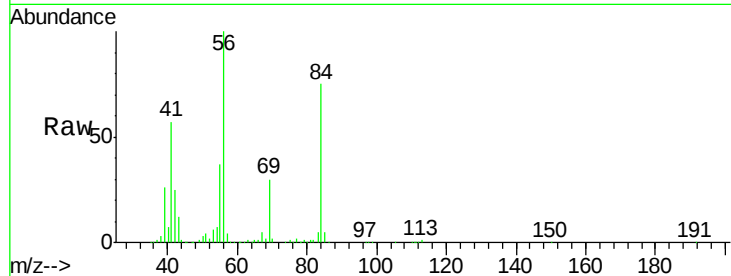
ClientSampleId :

VX0423WBS02

Tot Ion:	56	Resp:	98601
Ion Ratio	Lower	Upper	
56	100		
69	30.1	23.3	34.9
84	73.6	61.7	92.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.981 ug/l

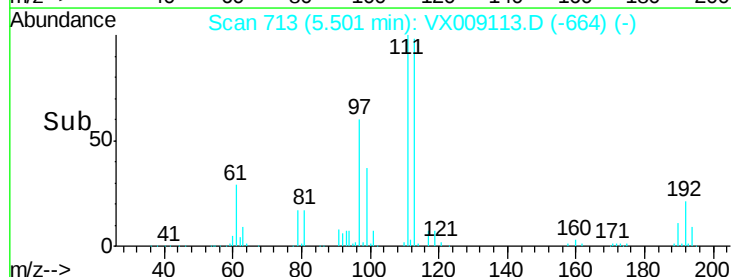
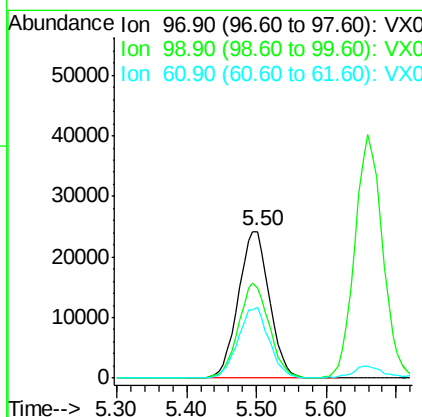
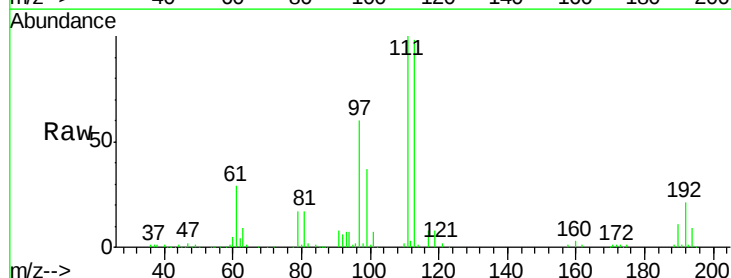
RT: 5.50 min Scan# 713

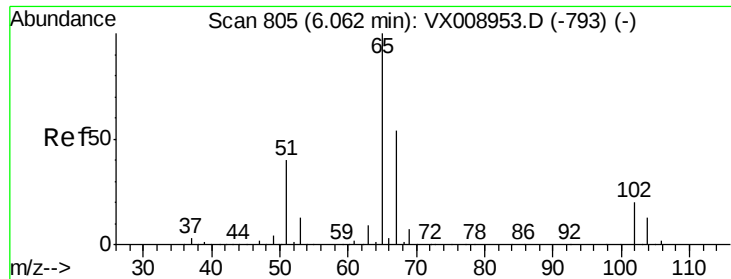
Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Tgt Ion:	97	Resp:	74960
Ion Ratio	Lower	Upper	
97	100		
99	63.6	51.6	77.4
61	47.9	37.9	56.9





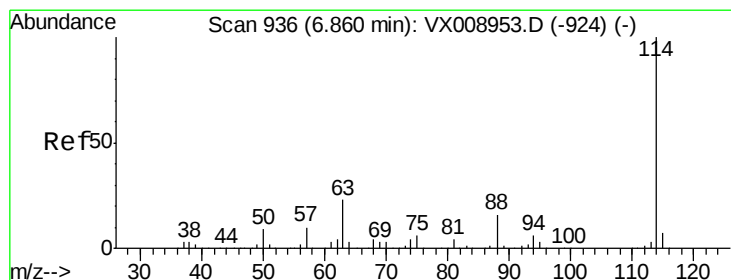
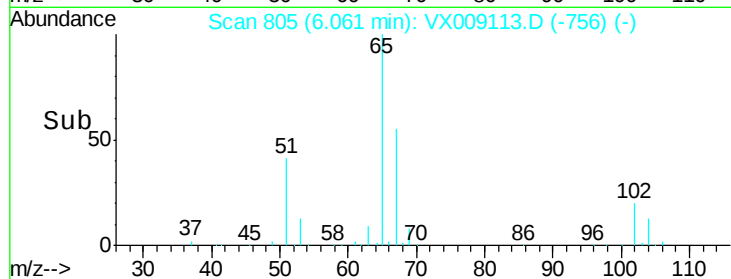
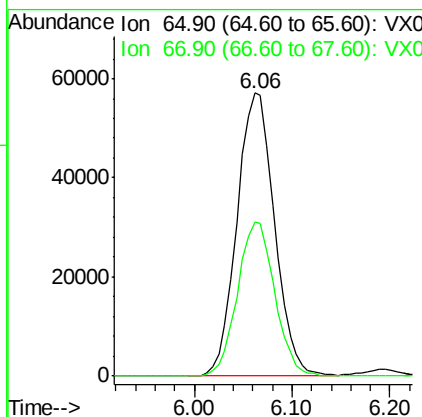
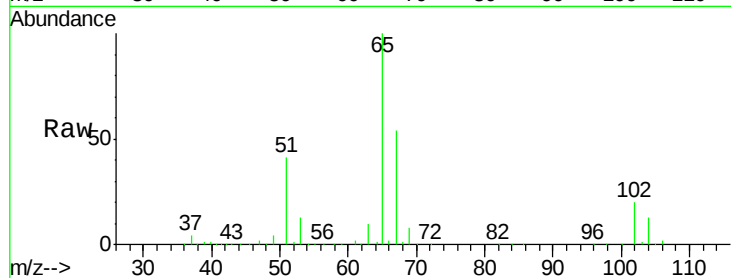
#33
 1,2-Dichloroethane-d4
 Concen: 53.586 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009113.D
 Acq: 23 Apr 2019 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	152155		
67	54.2	0.0	108.6	

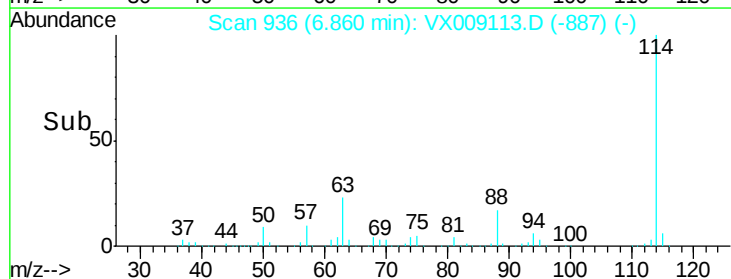
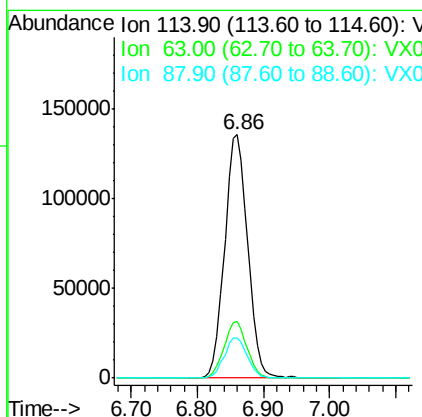
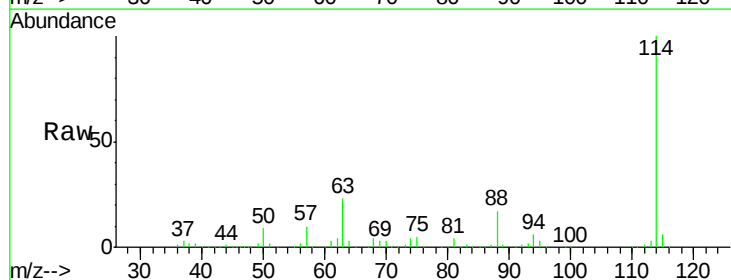
Manual Integrations
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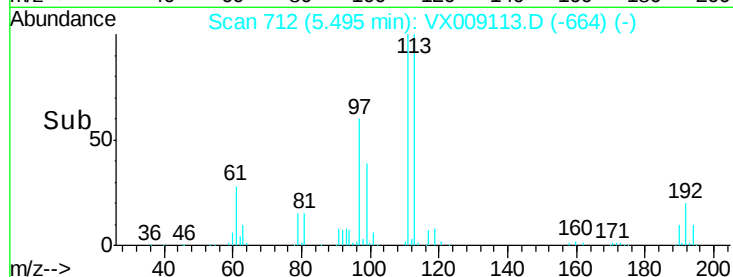
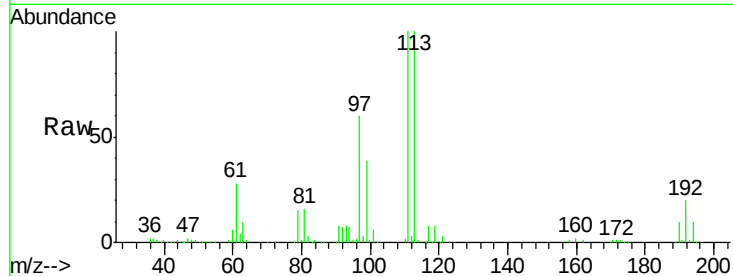
MMDadoda
 4/24/2019 12:28:27 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009113.D
 Acq: 23 Apr 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	327332		
63	23.0	0.0	46.0	
88	16.6	0.0	32.6	





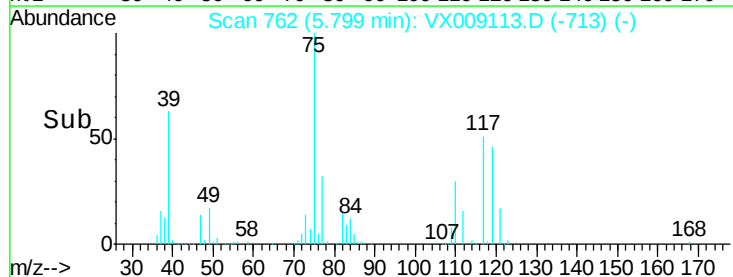
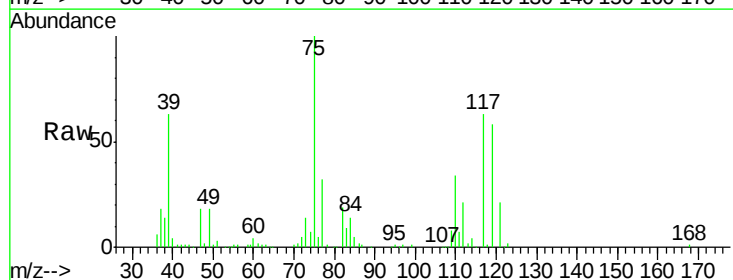
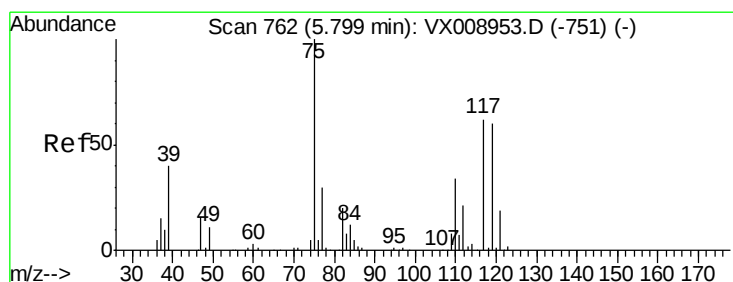
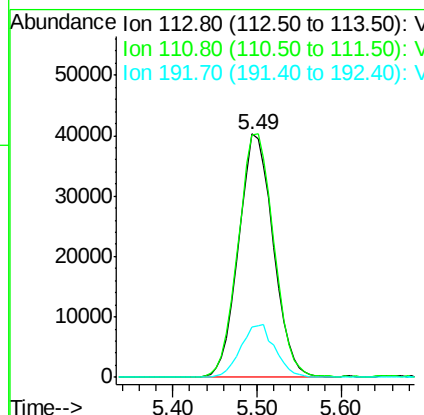
#35
Dibromofluoromethane
Concen: 53.463 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Tot Ion	Ratio	Resp	Lower	Upper
113	100	112312		
111	102.9	82.9	124.3	
192	21.4	17.4	26.0	

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS02

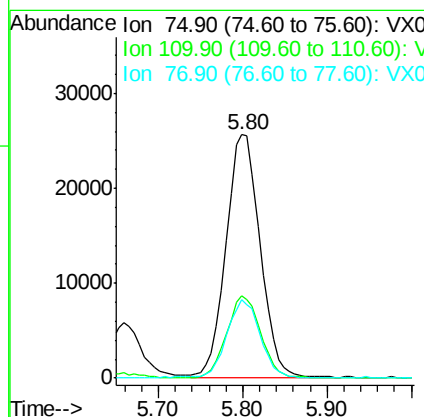
Manual Integrations
APPROVED

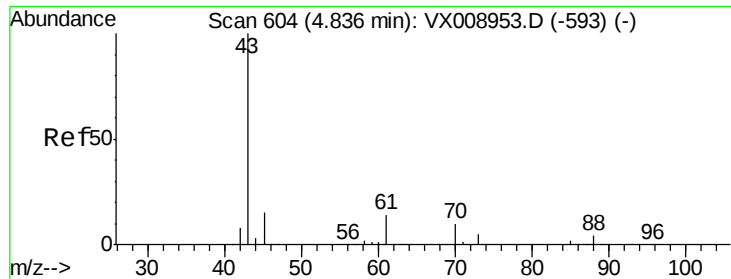
MMDadoda
4/24/2019 12:28:27 PM



#36
1,1-Dichloropropene
Concen: 20.751 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	70250		
110	33.9	16.9	50.7	
77	31.8	25.0	37.4	





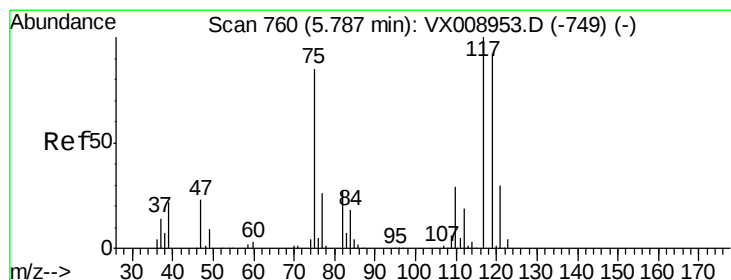
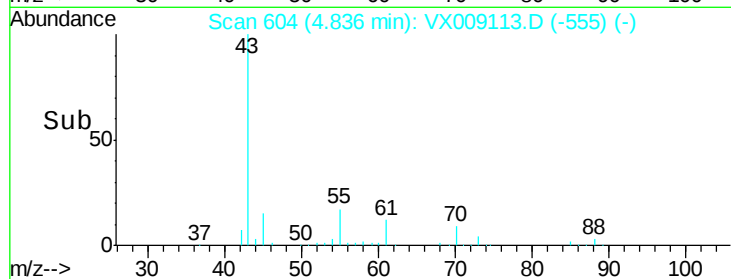
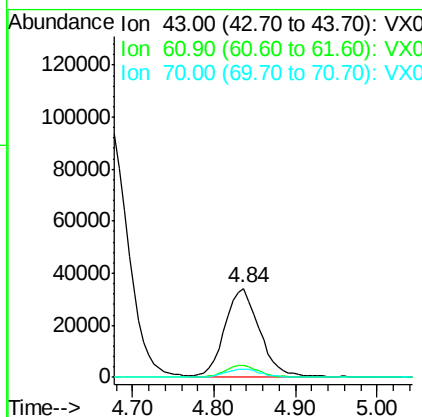
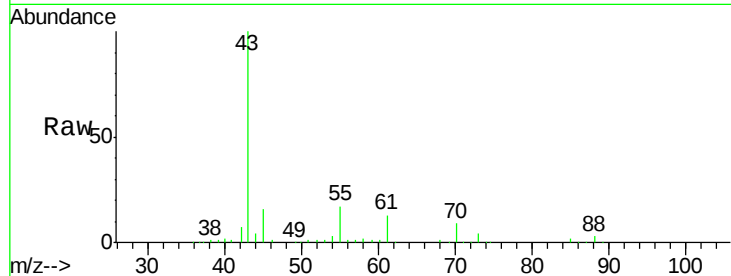
#37
Ethyl Acetate
Concen: 22.812 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS02

Tot Ion	43	Resp	99372
Ion Ratio	100	Lower	Upper
43	100		
61	13.1	10.6	15.8
70	9.9	7.7	11.5

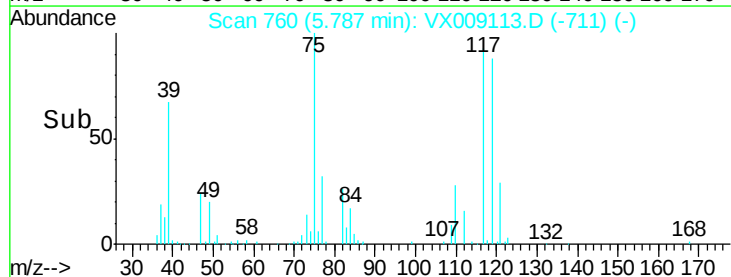
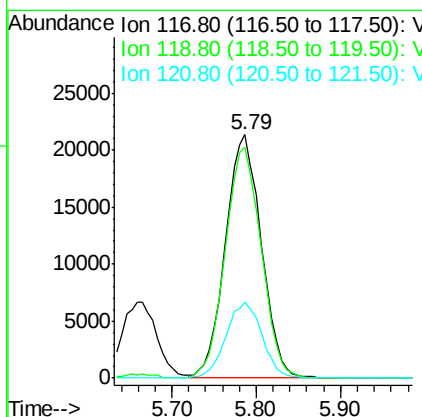
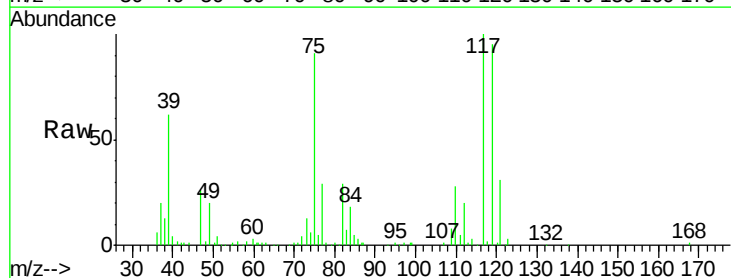
Manual Integrations
APPROVED

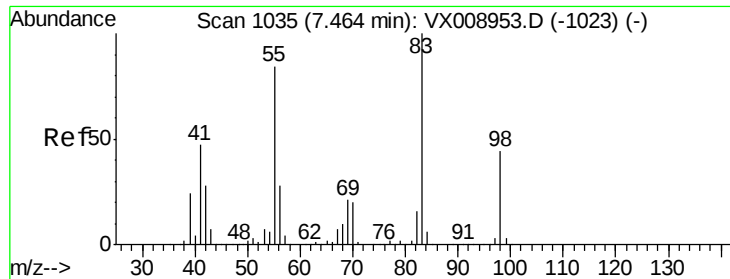
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#38
Carbon Tetrachloride
Concen: 21.573 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Tgt Ion	117	Resp	61913
Ion Ratio	100	Lower	Upper
117	100		
119	94.3	73.8	110.8
121	31.1	23.6	35.4





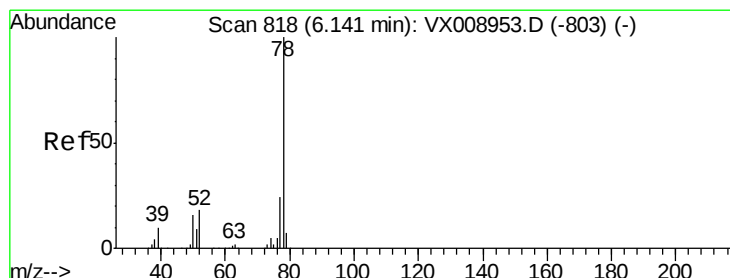
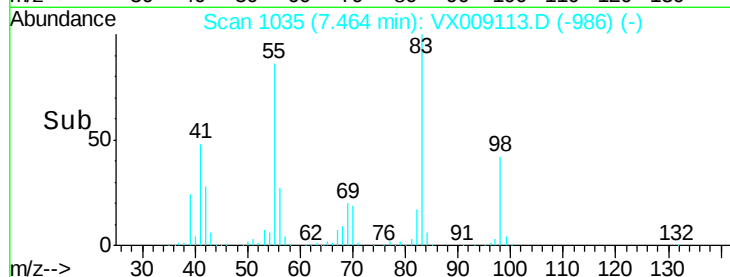
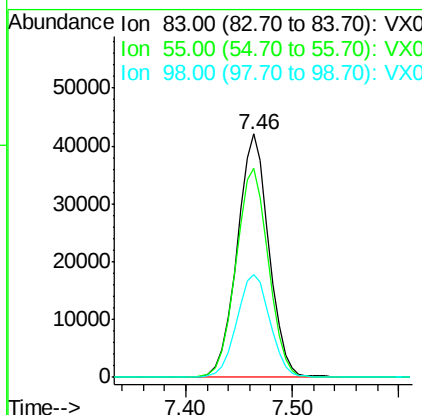
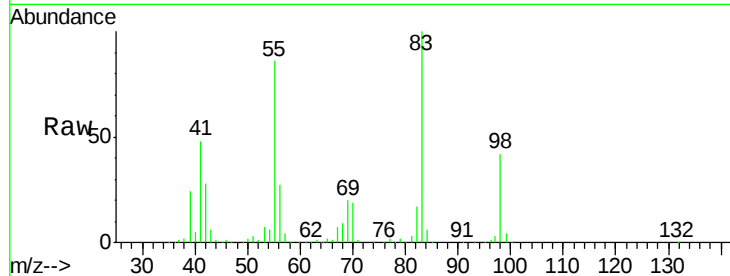
#39
Methylvlcyclohexane
Concen: 21.337 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.9	67.1	100.7
98	42.1	35.1	52.7

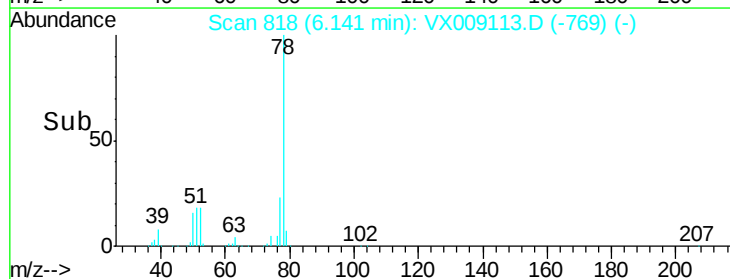
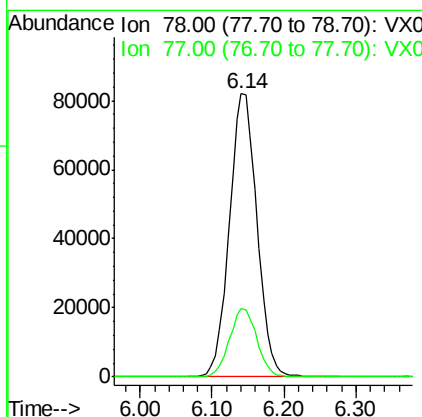
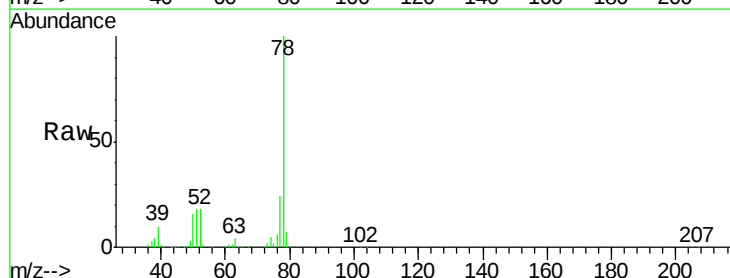
Manual Integrations
APPROVED

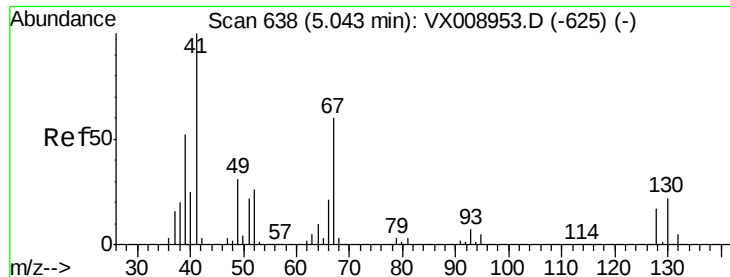
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#40
Benzene
Concen: 21.864 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.6





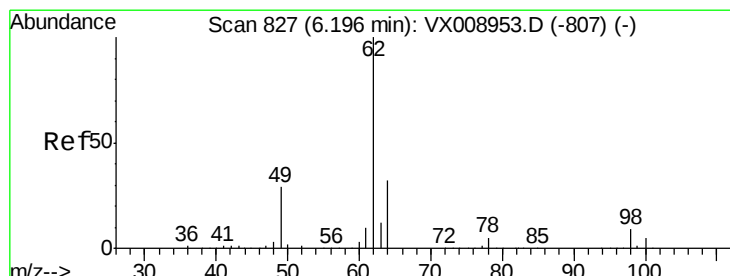
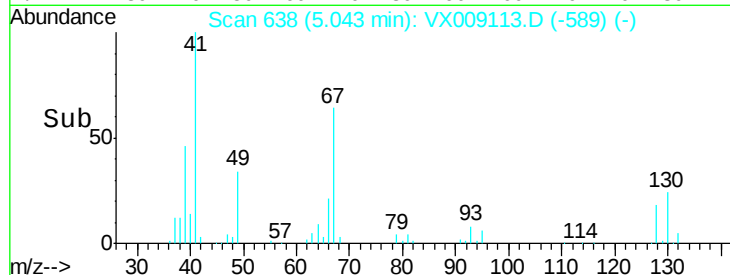
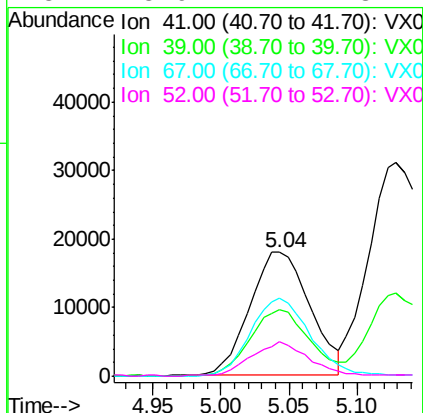
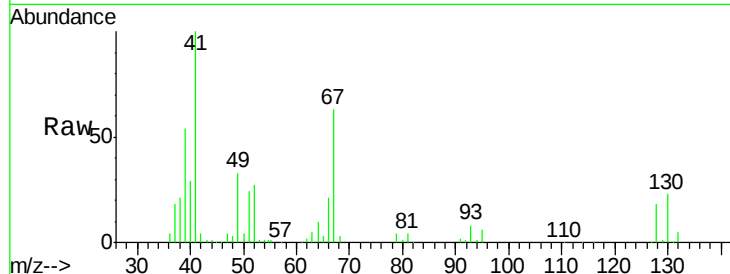
#41
Methacrylonitrile
Concen: 22.323 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	41.8	62.6	
67	63.2	50.2	75.4	
52	25.9	21.1	31.7	

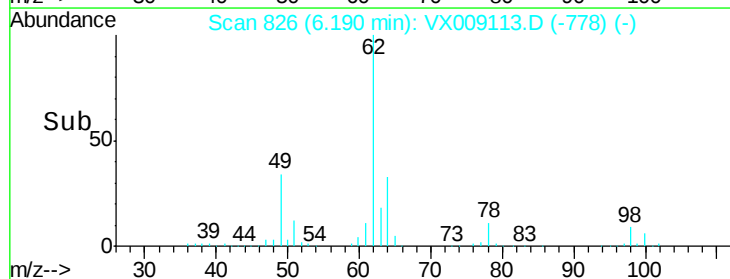
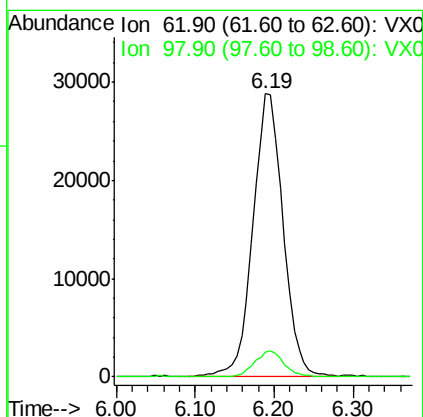
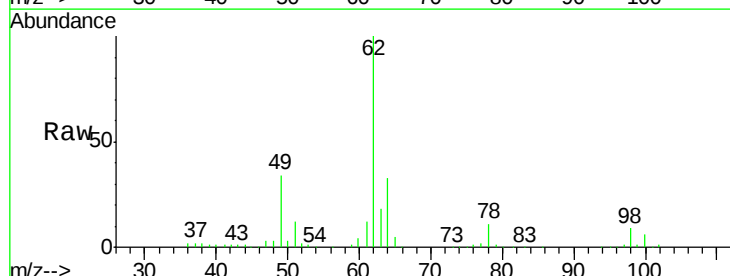
Manual Integrations
APPROVED

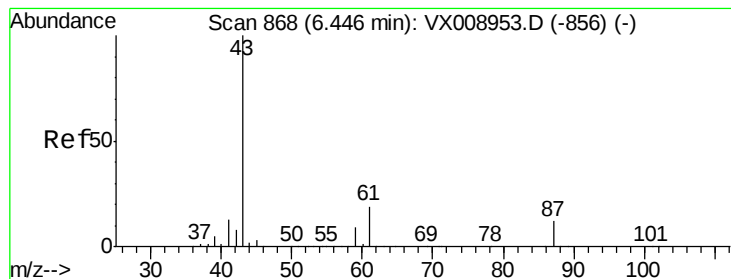
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.801 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	18.4	





#43

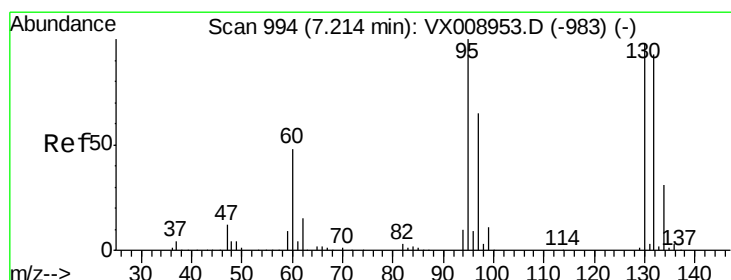
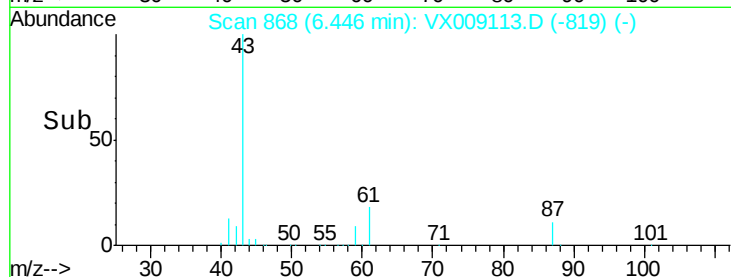
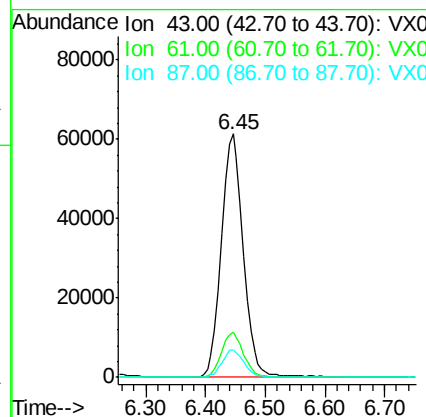
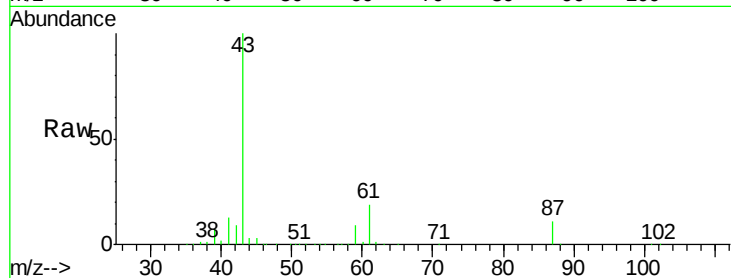
Isopropyl Acetate
 Concen: 22.093 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009113.D
 Acq: 23 Apr 2019 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.4	23.0
87	11.2	9.0	13.4

Manual Integrations
 APPROVED

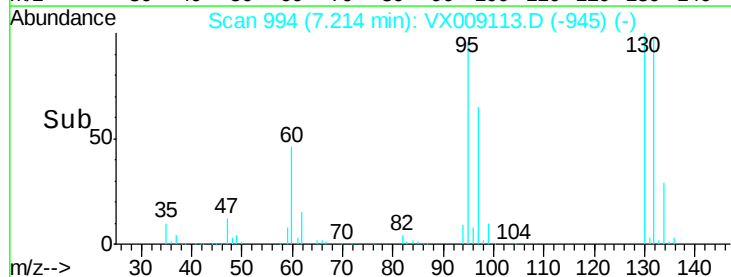
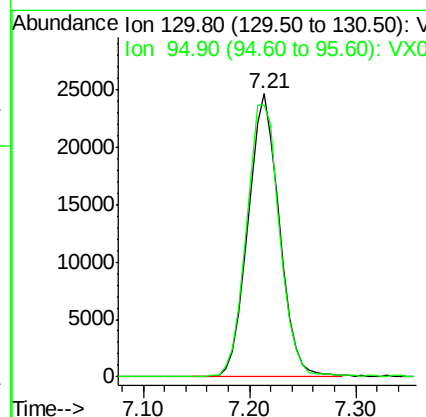
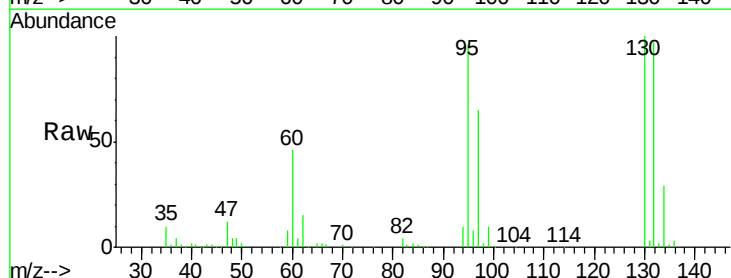
MMDadoda
 4/24/2019 12:28:27 PM

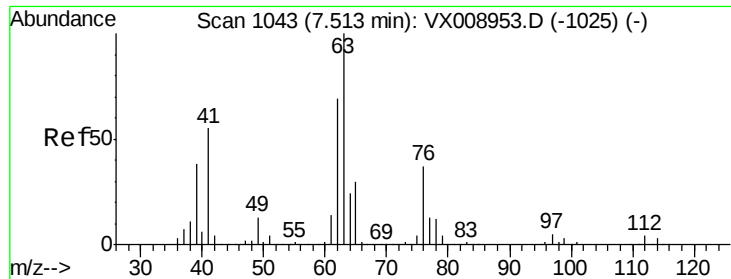


#44

Trichloroethene
 Concen: 20.839 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009113.D
 Acq: 23 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	203.2





#45

1,2-Dichloropropane

Concen: 22.249 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS02

Tot Ion: 63 Resp: 61643

Ion Ratio Lower Upper

63 100

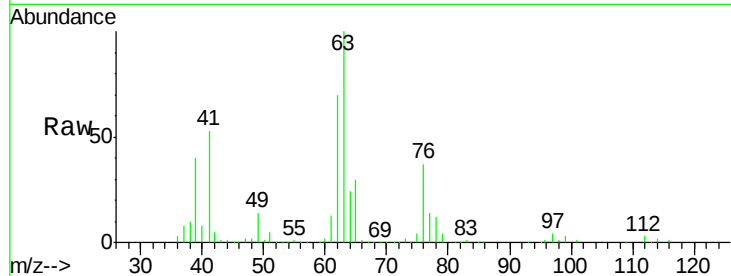
65 29.7 24.1 36.1

Manual Integrations

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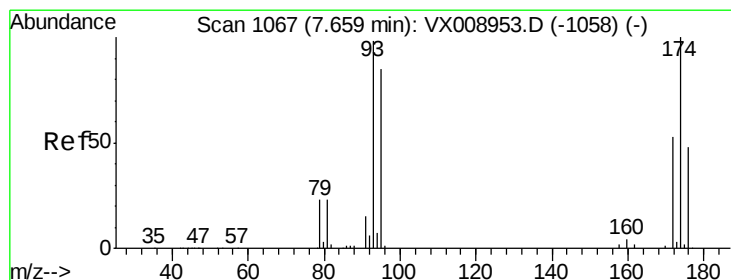
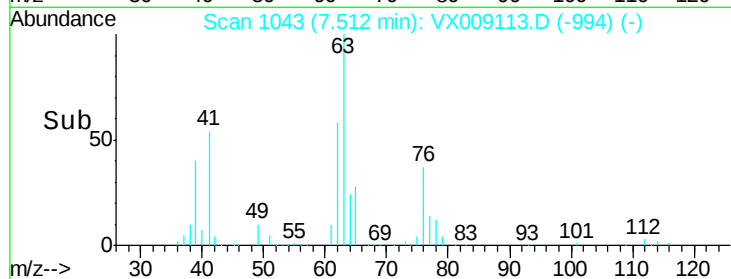
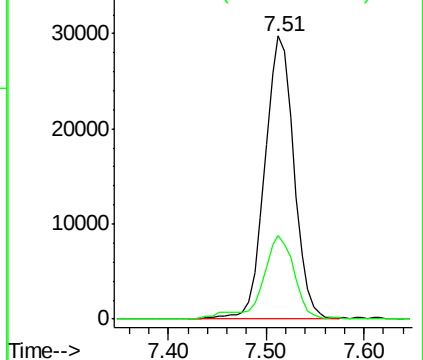
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 21.523 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

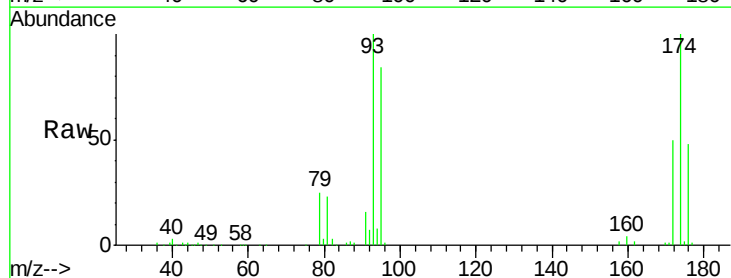
Tgt Ion: 93 Resp: 34704

Ion Ratio Lower Upper

93 100

95 84.0 67.0 100.4

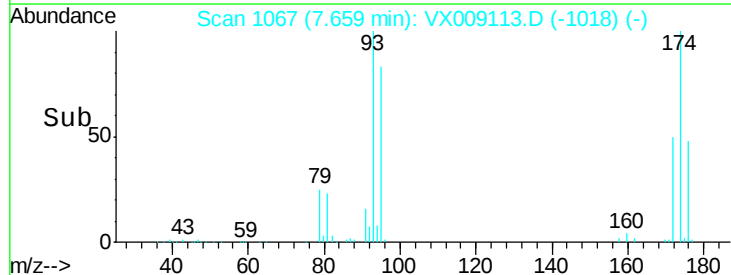
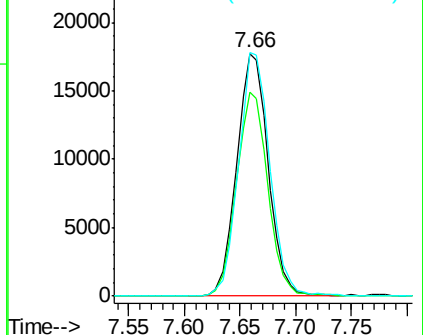
174 100.0 81.6 122.4

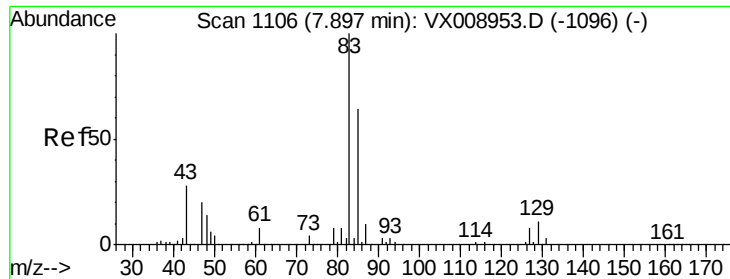


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





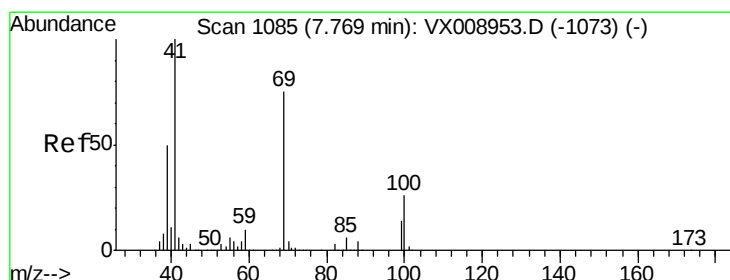
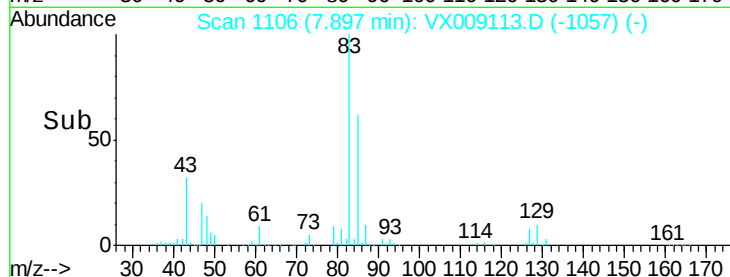
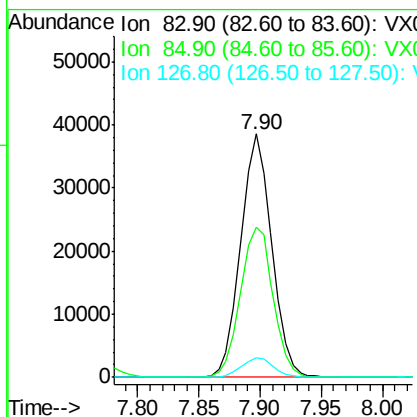
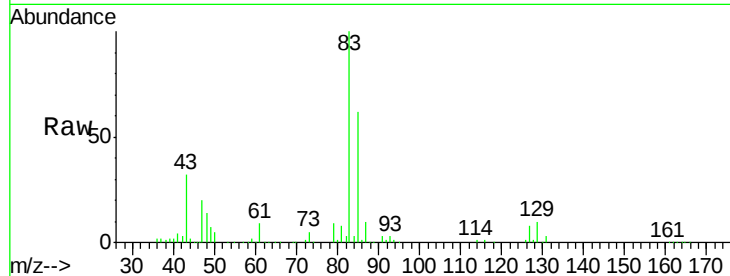
#47
Bromodichloromethane
Concen: 21.499 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS02

Tot Ion	83	Resp	67992
Ion Ratio	100	Lower	Upper
83	100		
85	61.7	50.8	76.2
127	8.1	6.4	9.6

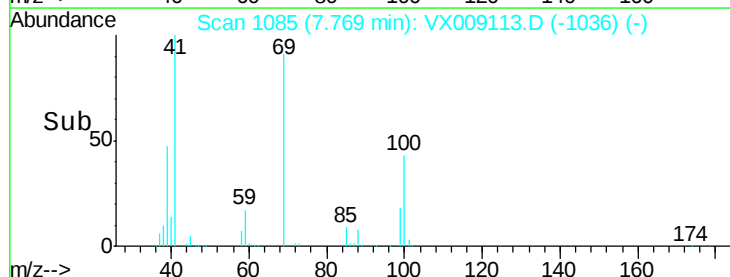
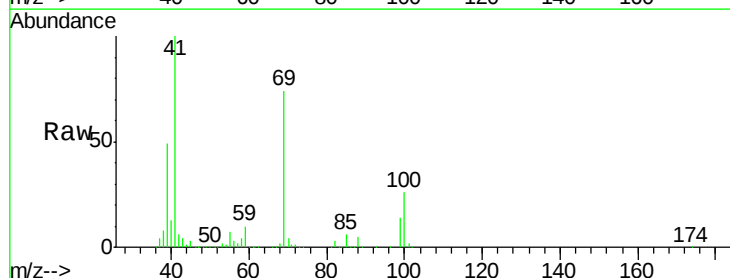
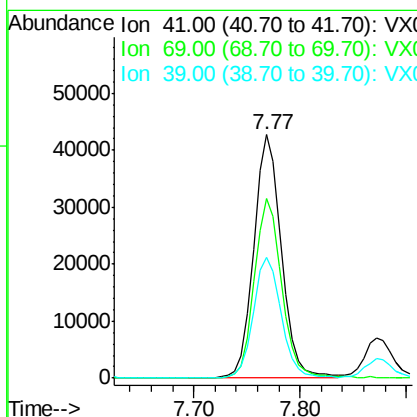
Manual Integrations
APPROVED

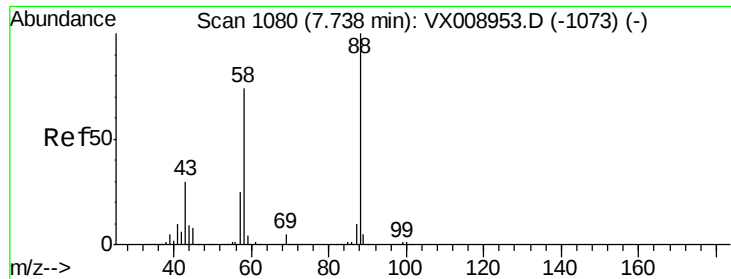
MMDadoda
4/24/2019 12:28:27 PM



#48
Methyl methacrylate
Concen: 22.276 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Tgt Ion	41	Resp	77266
Ion Ratio	100	Lower	Upper
41	100		
69	73.8	59.4	89.2
39	49.5	39.8	59.6





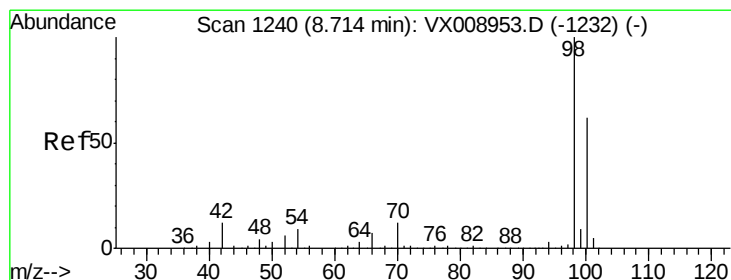
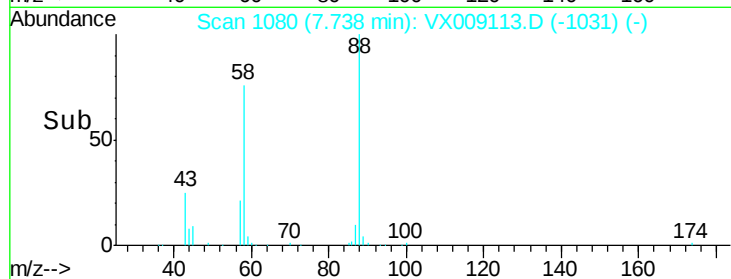
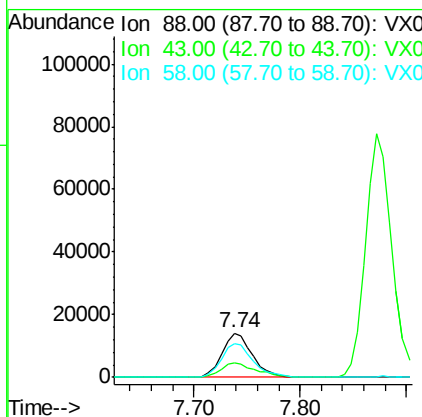
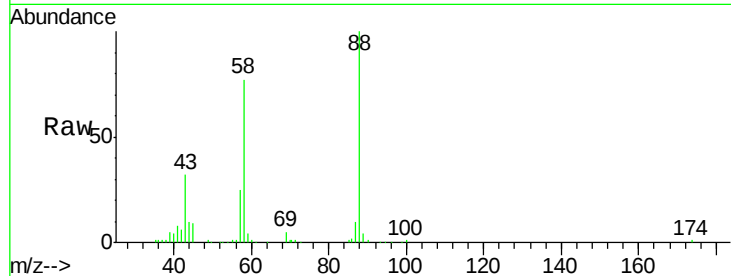
#49
1,4-Dioxane
Concen: 429.810 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	29.3	43.9
58	79.4	62.6	93.8

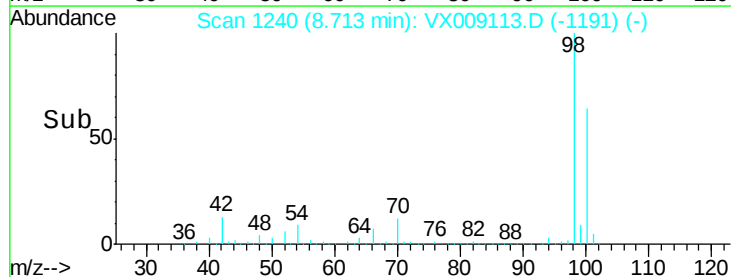
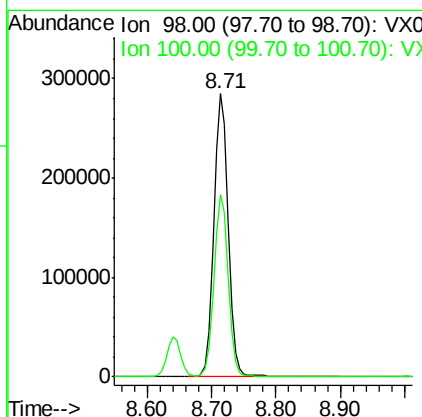
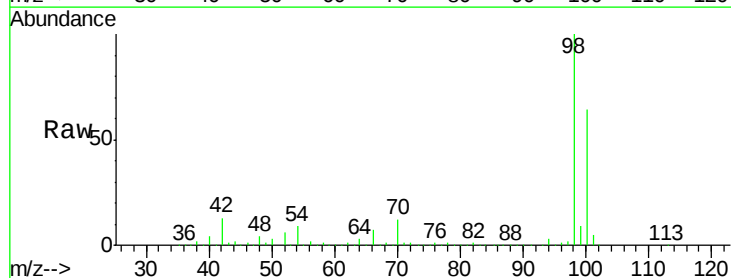
Manual Integrations
APPROVED

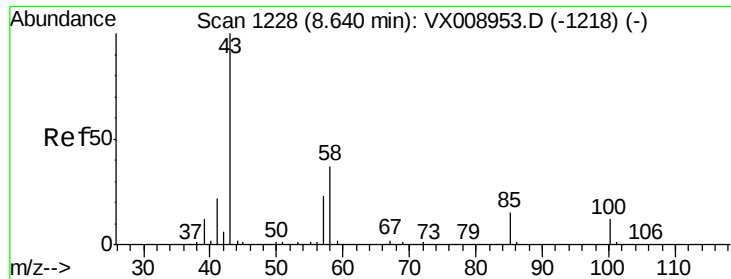
MMDadoda
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#50
Toluene-d8
Concen: 53.487 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.4	77.2





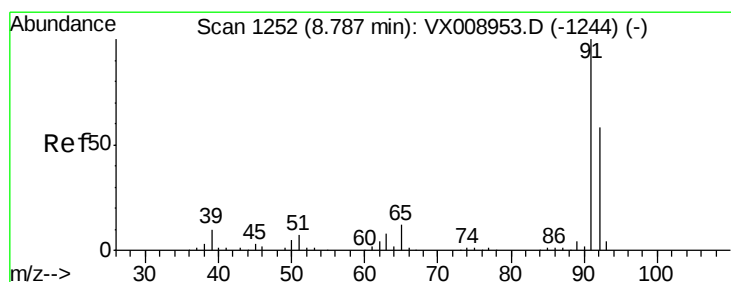
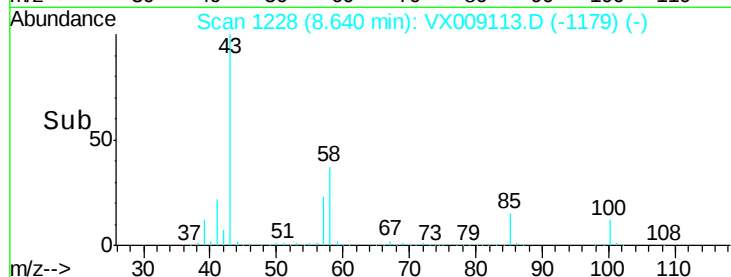
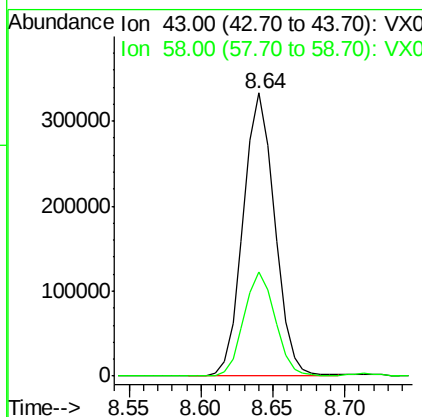
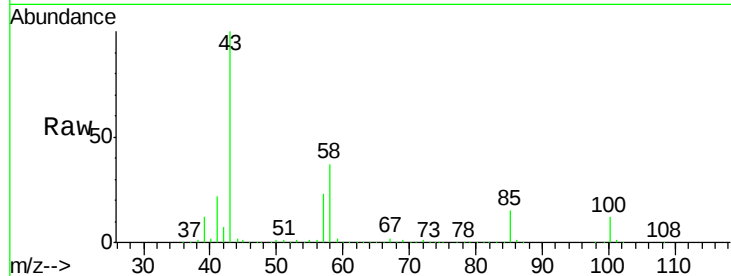
#51
 4-Methyl-2-Pentanone
 Concen: 113.210 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VX009113.D
 Acq: 23 Apr 2019 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.7	29.8	44.6

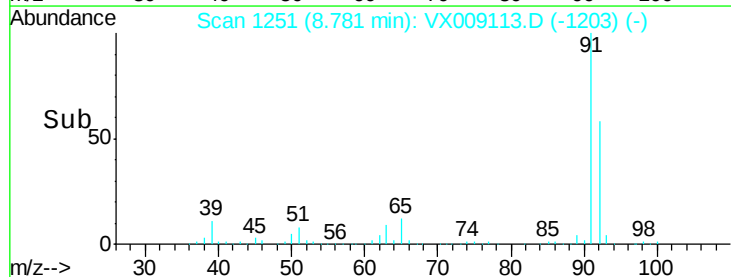
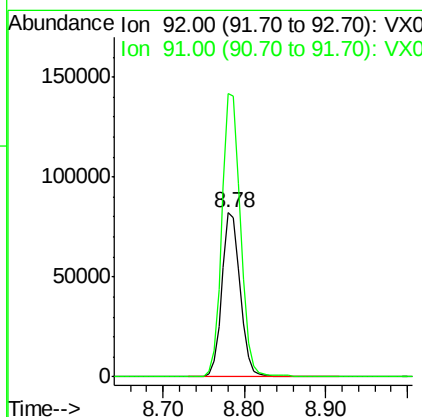
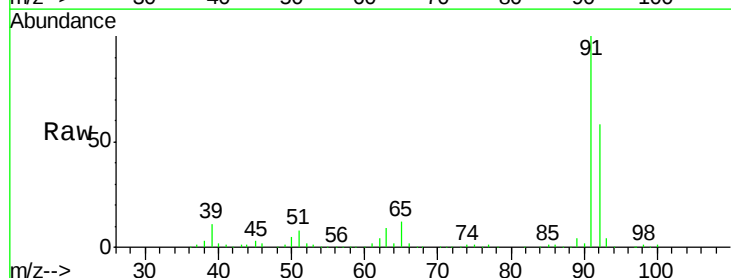
Manual Integrations
 APPROVED

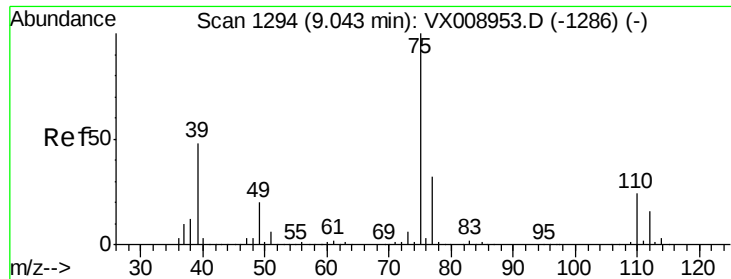
MMDadoda
 4/24/2019 12:28:27 PM



#52
 Toluene
 Concen: 21.508 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. -0.01 min
 Lab File: VX009113.D
 Acq: 23 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.6	138.5	207.7





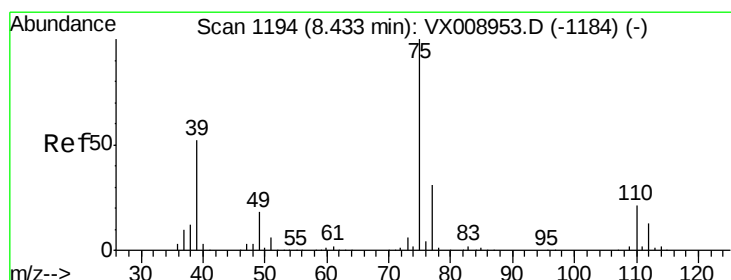
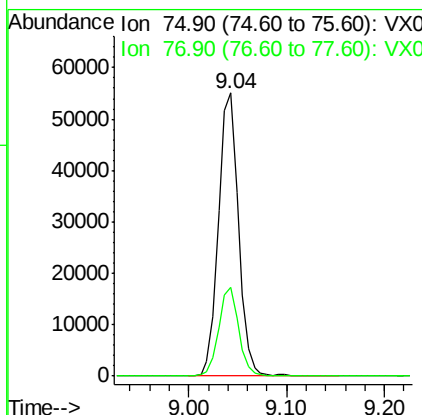
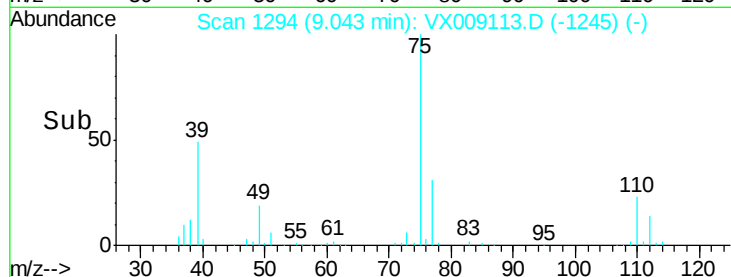
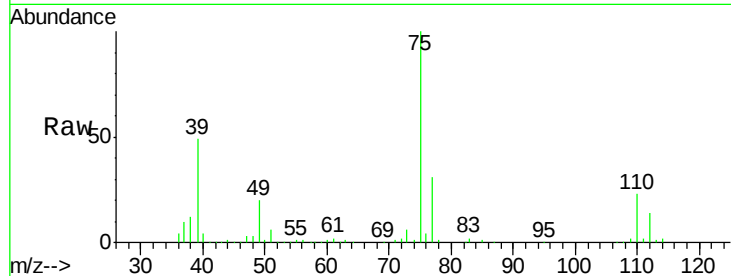
#53
t-1,3-Dichloropropene
Concen: 21.636 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS02

Tot Ion: 75 Resp: 78750
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2

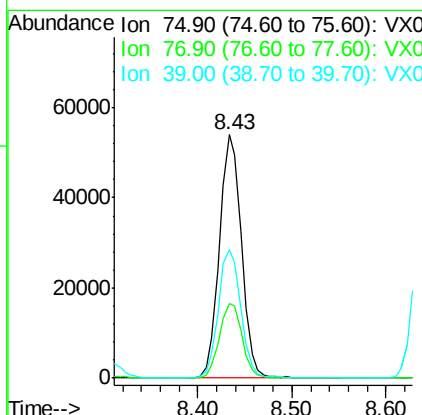
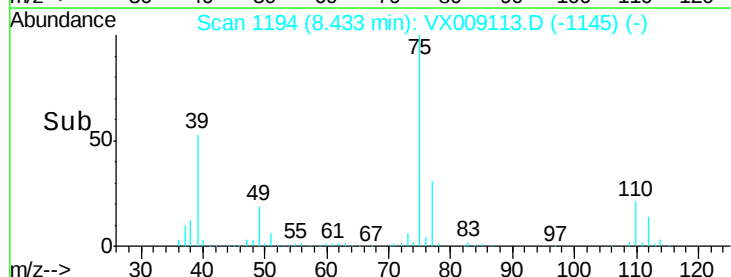
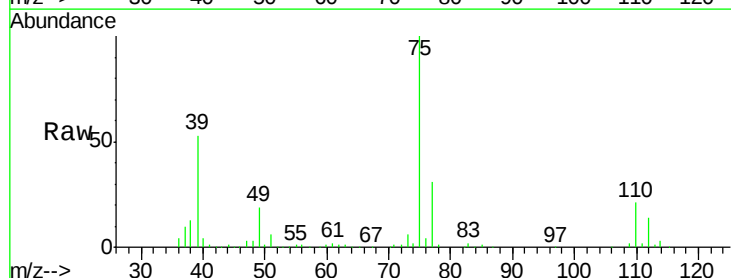
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 21.510 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Tgt Ion: 75 Resp: 87664
Ion Ratio Lower Upper
75 100
77 30.8 24.8 37.2
39 52.8 41.8 62.6





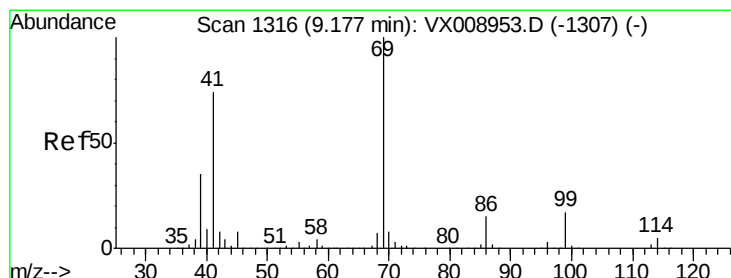
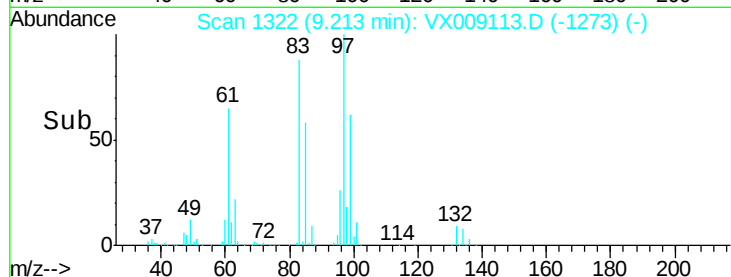
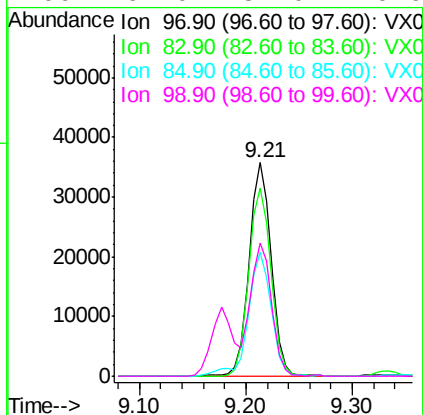
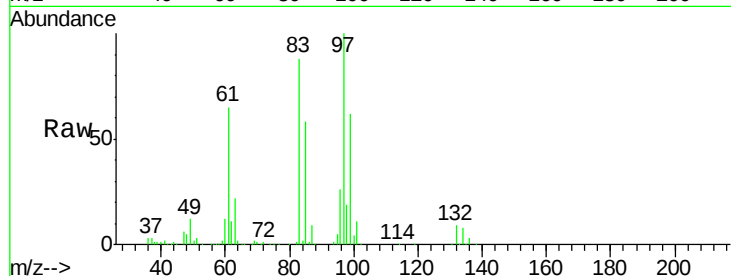
#55
 1,1,2-Trichloroethane
 Concen: 22.068 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009113.D
 Acq: 23 Apr 2019 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBS02

Tot Ion:	97	Resp:	52348
Ion	Ratio	Lower	Upper
97	100		
83	88.1	72.6	108.8
85	58.4	46.9	70.3
99	62.0	51.0	76.6

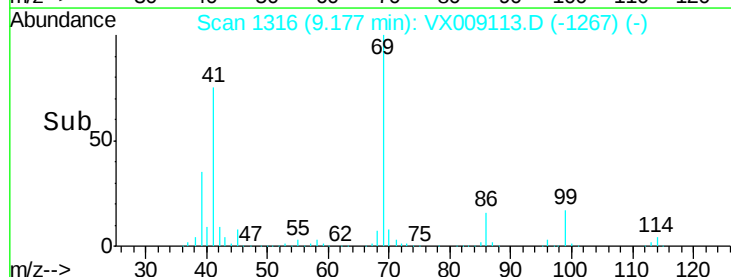
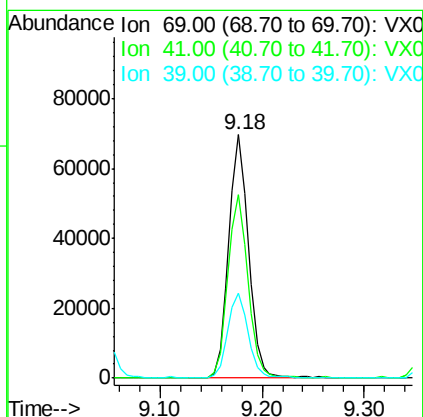
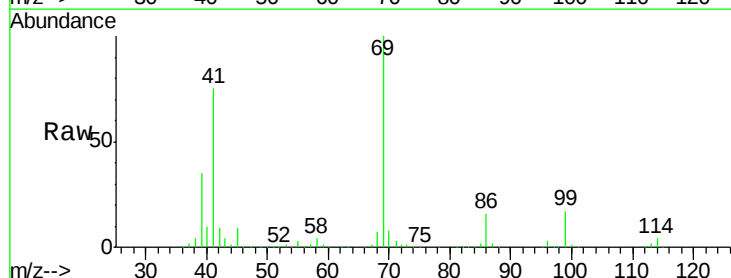
Manual Integrations
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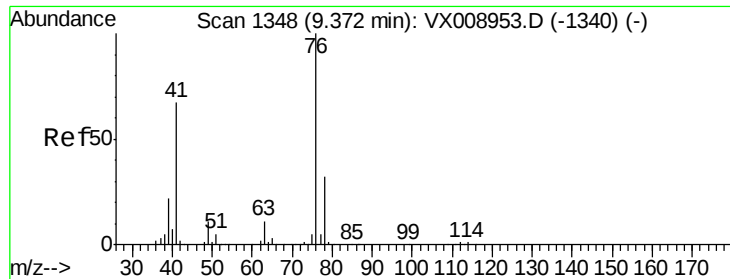
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#56
 Ethyl methacrylate
 Concen: 22.037 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009113.D
 Acq: 23 Apr 2019 12:10

Tgt Ion:	69	Resp:	93736
Ion	Ratio	Lower	Upper
69	100		
41	76.0	60.2	90.2
39	36.1	27.9	41.9





#57

1,3-Dichloropropane

Concen: 22.120 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS02

Tot Ion: 76 Resp: 93428

Ion Ratio Lower Upper

76 100

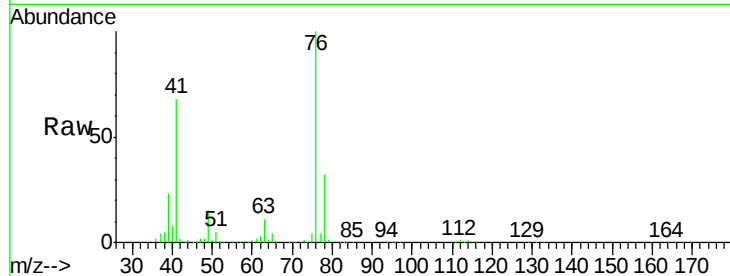
78 32.2 25.7 38.5

Manual Integrations

APPROVED

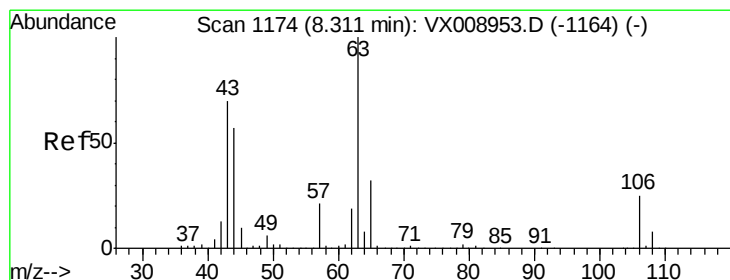
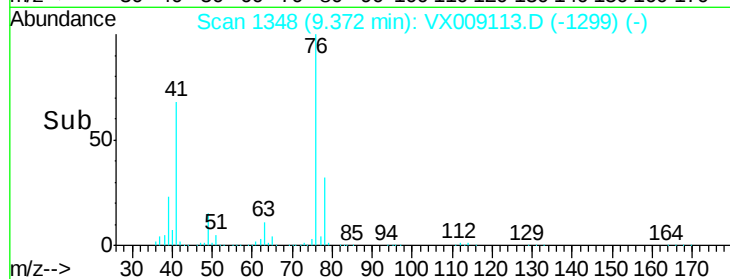
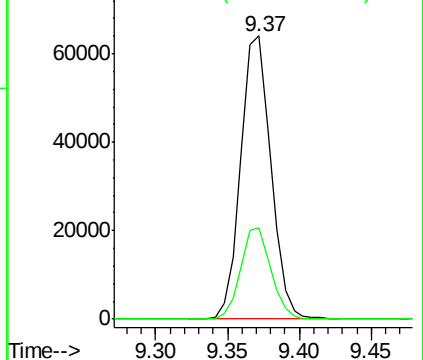
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 102.914 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009113.D

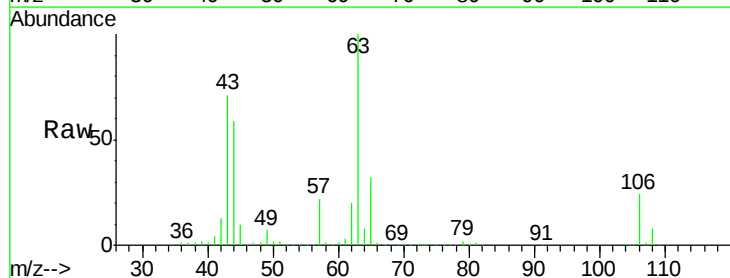
Acq: 23 Apr 2019 12:10

Tgt Ion: 63 Resp: 235728

Ion Ratio Lower Upper

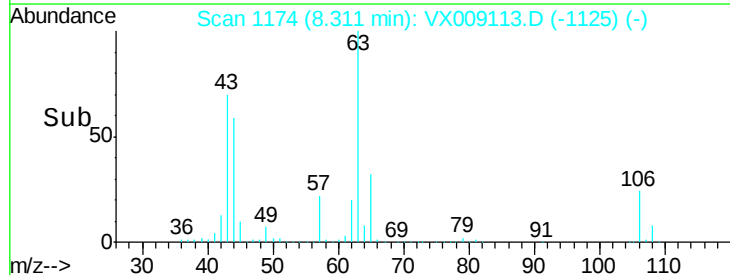
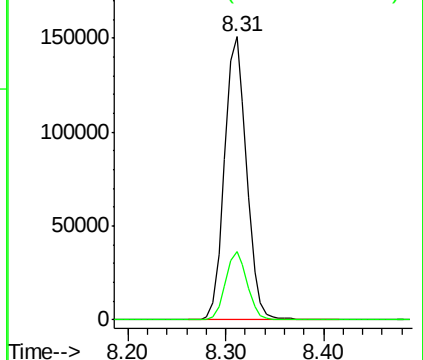
63 100

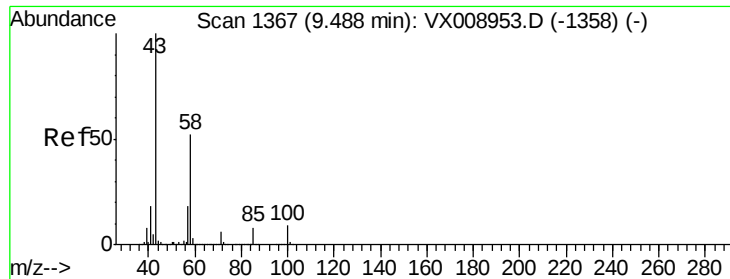
106 24.0 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





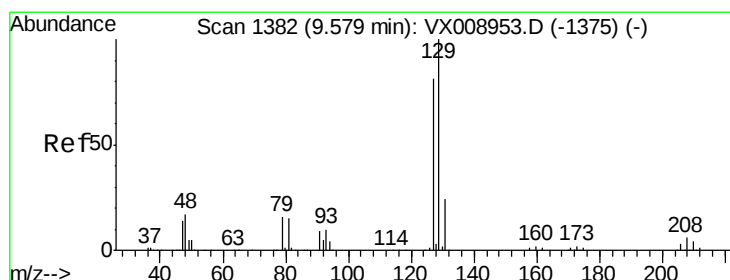
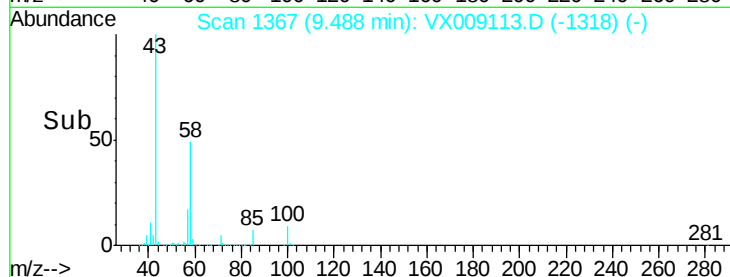
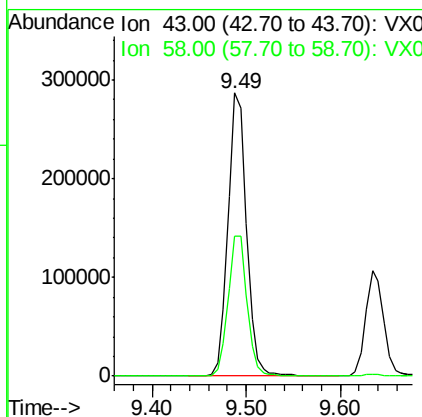
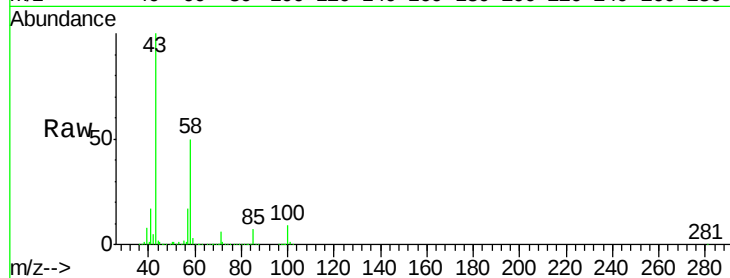
#59
2-Hexanone
Concen: 113.958 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS02

Tot Ion: 43 Resp: 392925
Ion Ratio Lower Upper
43 100
58 51.0 25.9 77.8

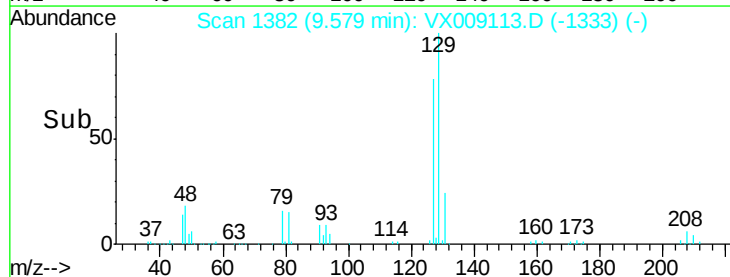
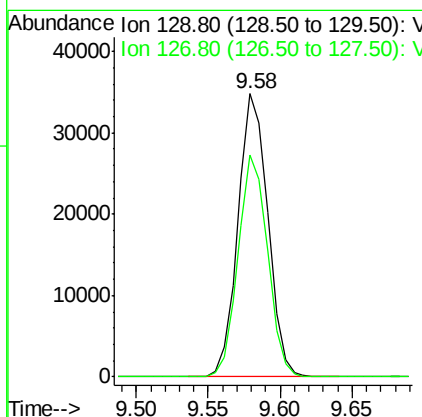
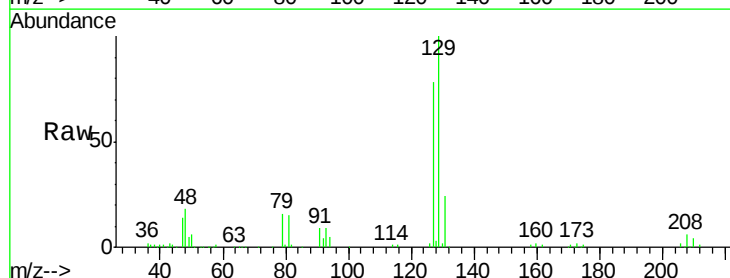
Manual Integrations
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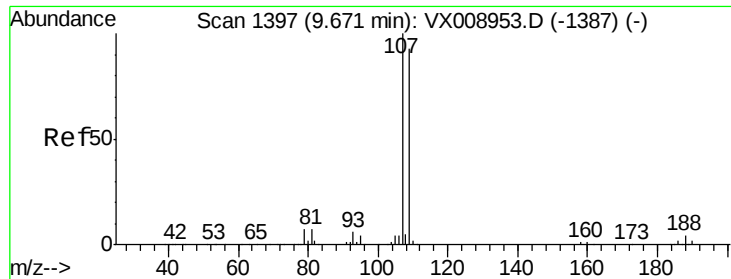
MMDadoda
4/24/2019 12:28:27 PM



#60
Dibromochloromethane
Concen: 22.053 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Tgt Ion: 129 Resp: 50137
Ion Ratio Lower Upper
129 100
127 77.6 39.1 117.2





#61

1,2-Dibromoethane

Concen: 21.633 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS02

Tot Ion:107 Resp: 52963

Ion Ratio Lower Upper

107 100

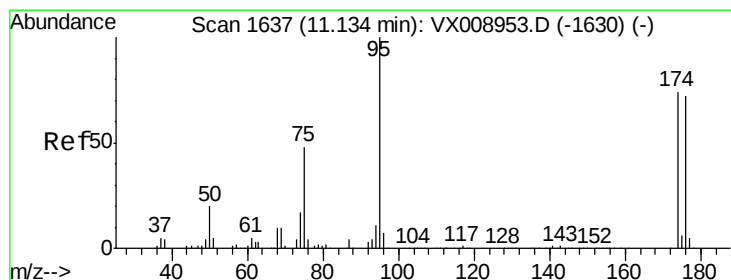
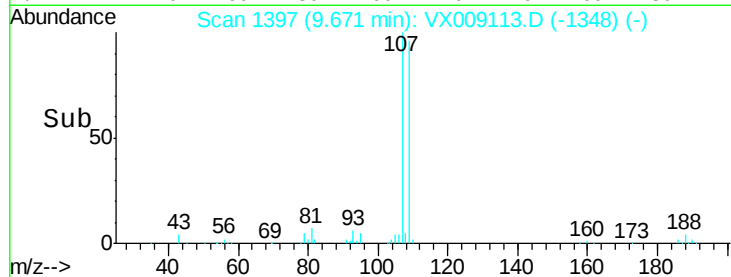
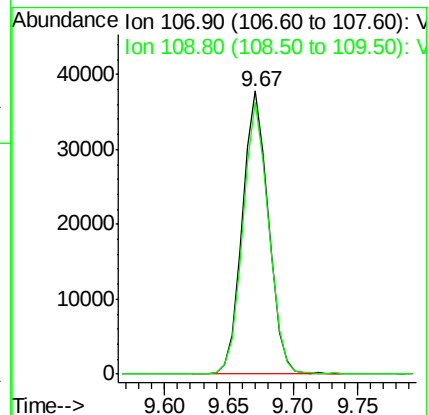
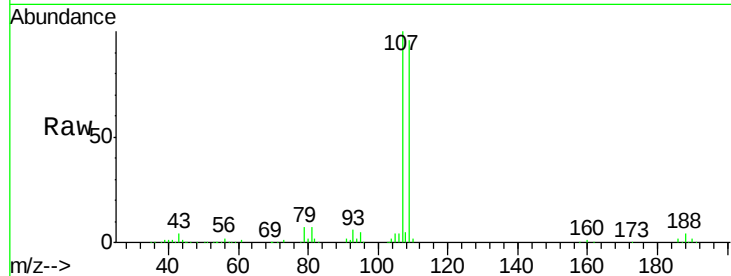
109 95.4 74.4 111.6

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 53.074 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

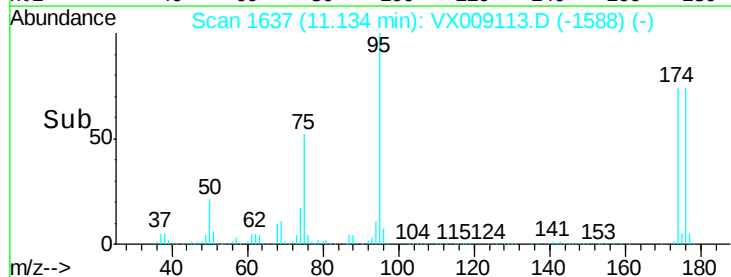
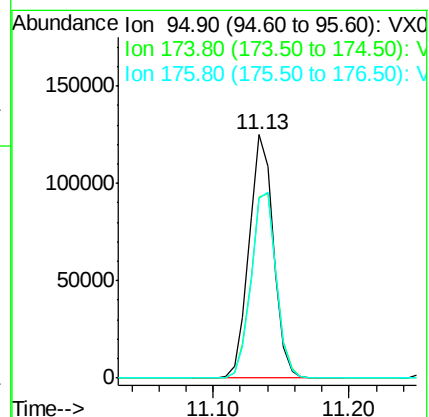
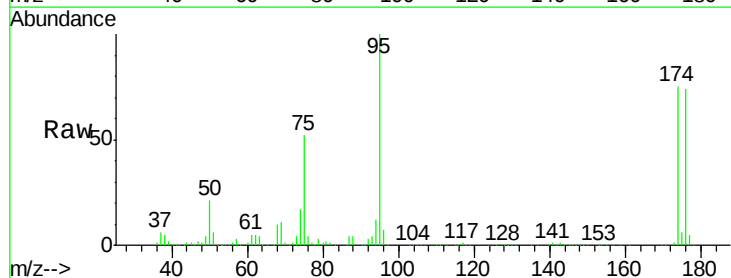
Tgt Ion: 95 Resp: 156962

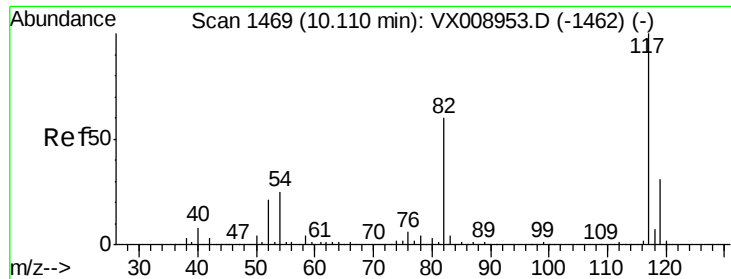
Ion Ratio Lower Upper

95 100

174 79.4 0.0 159.6

176 78.4 0.0 154.8





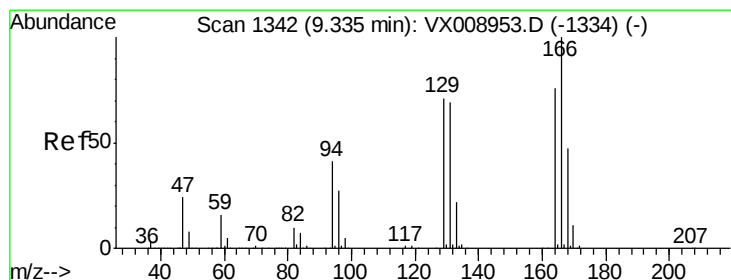
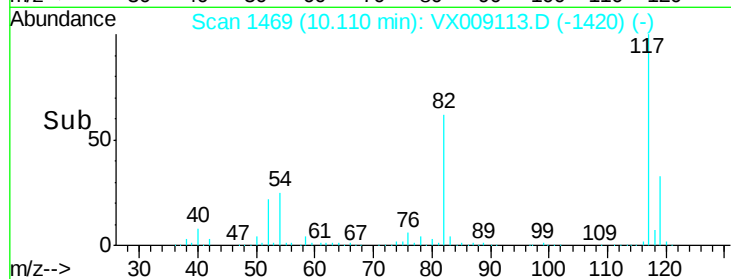
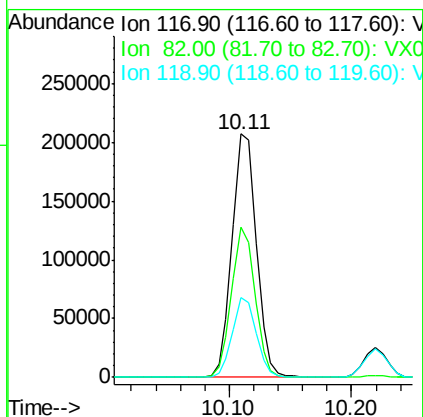
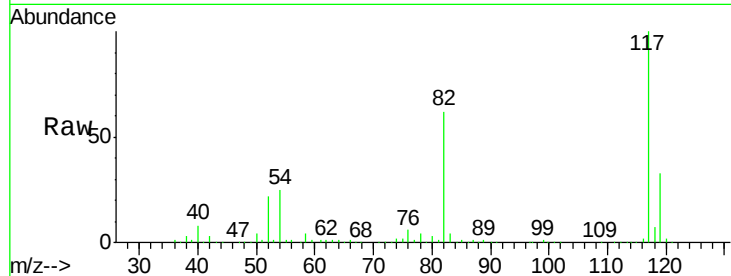
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	284644		
82	61.6	48.2	72.4	
119	32.7	25.0	37.6	

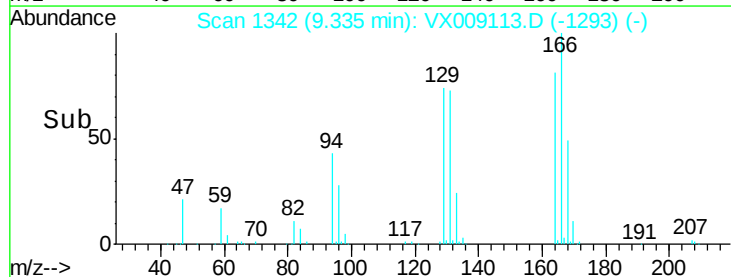
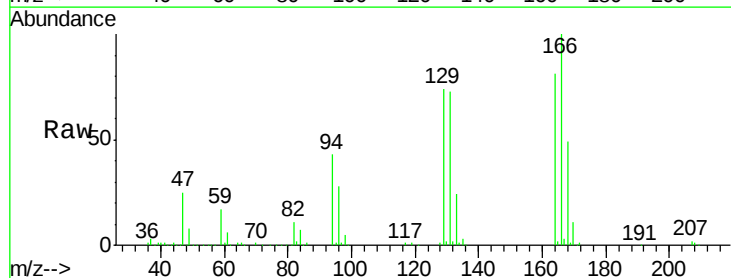
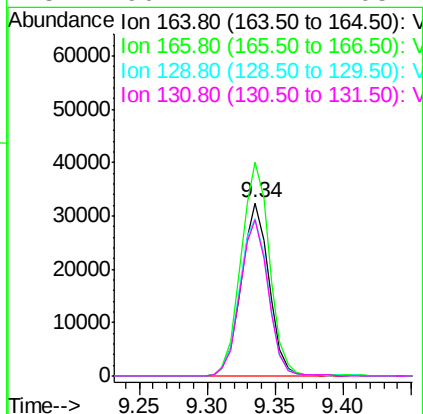
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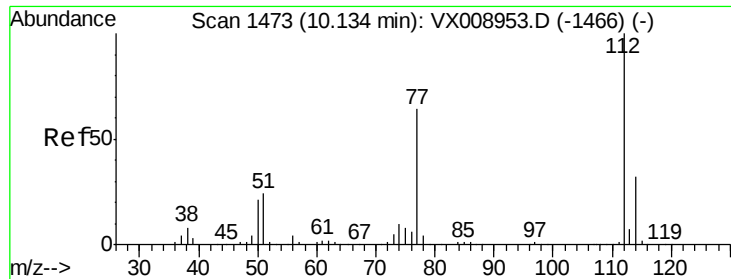
MMDadoda
4/24/2019 12:28:27 PM



#64
Tetrachloroethene
Concen: 21.420 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	46318		
166	123.4	105.0	157.4	
129	91.1	74.2	111.4	
131	90.4	72.2	108.2	





#65

Chlorobenzene

Concen: 21.808 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS02

Tot Ion:112 Resp: 131026

Ion Ratio Lower Upper

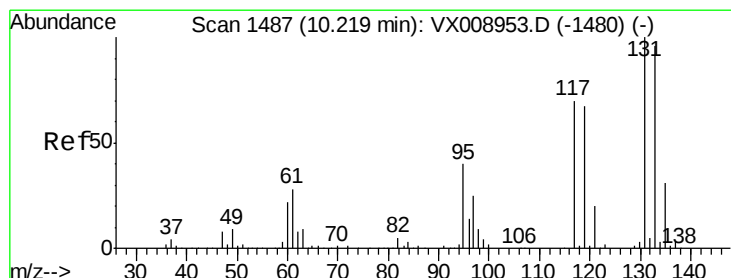
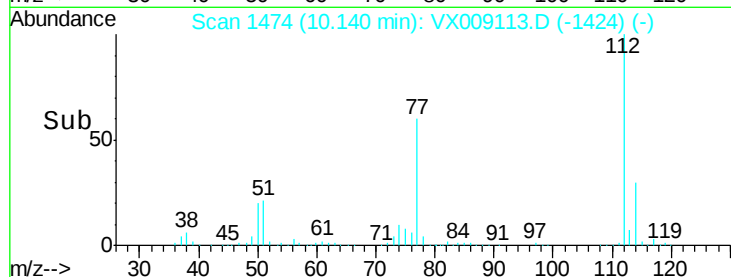
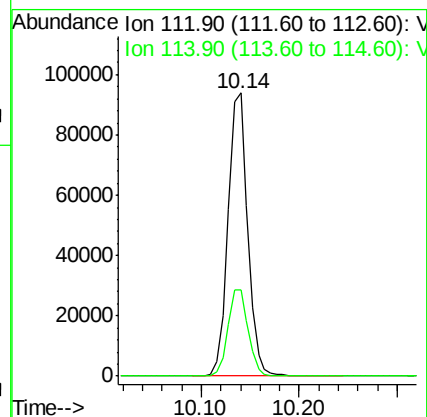
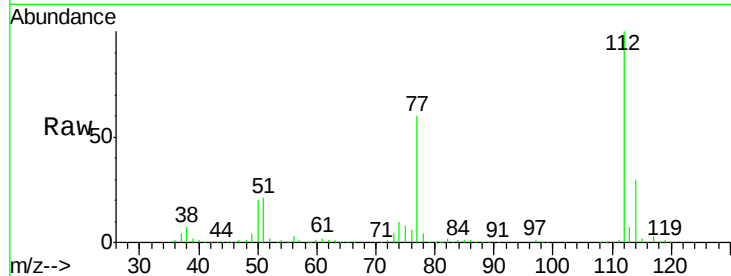
112 100

114 30.5 25.4 38.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 22.329 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

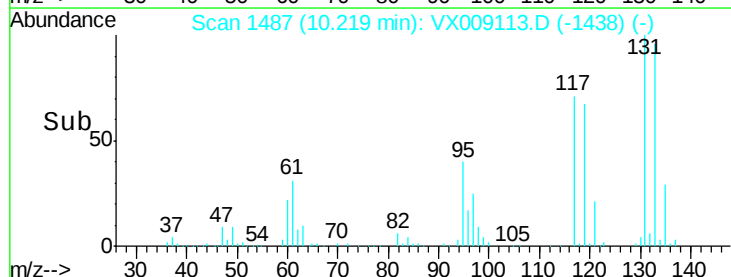
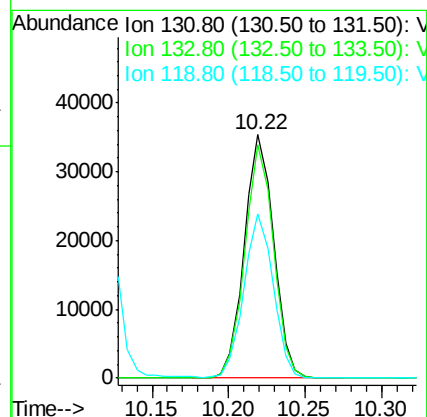
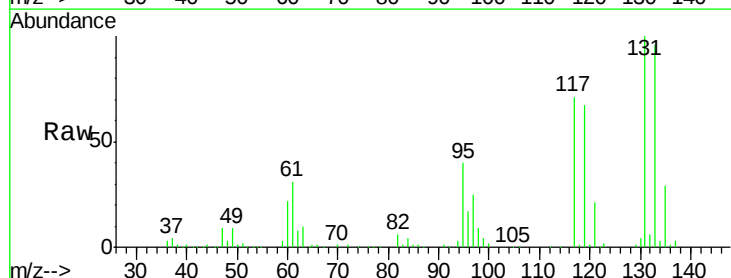
Tgt Ion:131 Resp: 47261

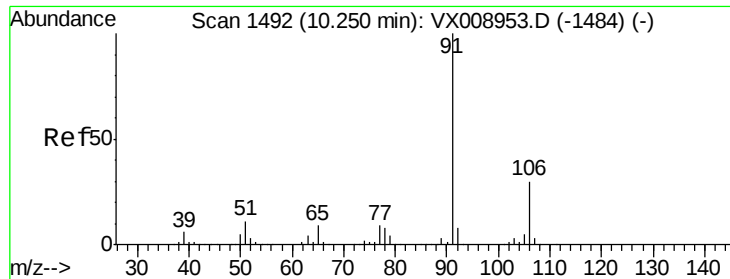
Ion Ratio Lower Upper

131 100

133 93.8 48.0 144.2

119 67.5 33.7 101.1





#67

Ethyl Benzene

Concen: 21.935 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS02

Tot Ion: 91 Resp: 240907

Ion Ratio Lower Upper

91 100

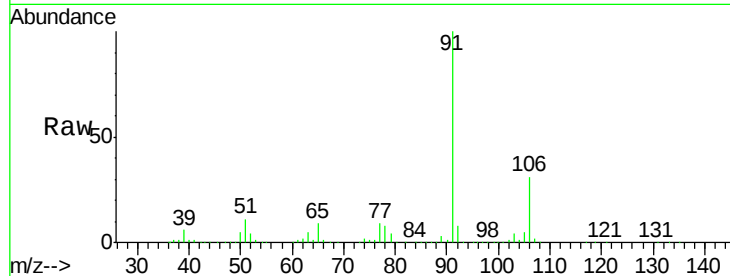
106 30.9 24.3 36.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX009113.D (-1443) (-)

Ion 106.00 (105.70 to 106.70): VX009113.D (-1443) (-)

300000

250000

200000

150000

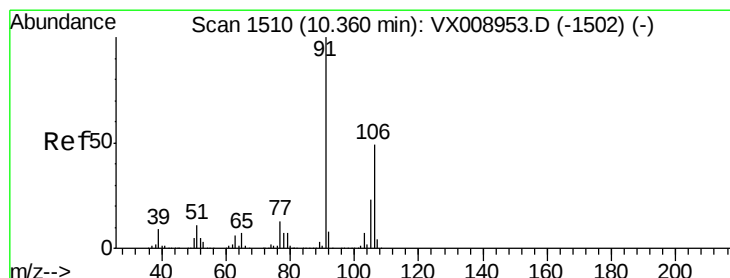
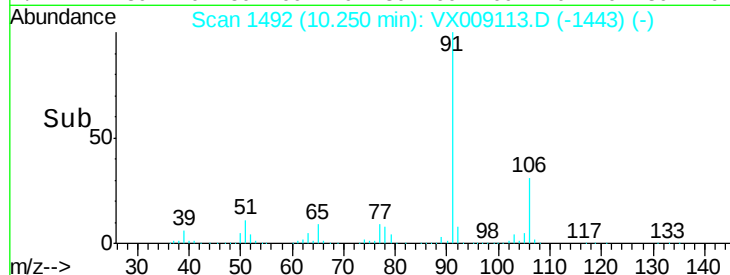
100000

50000

0

10.20 10.30

Time-->



#68

m/p-Xylenes

Concen: 43.316 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009113.D

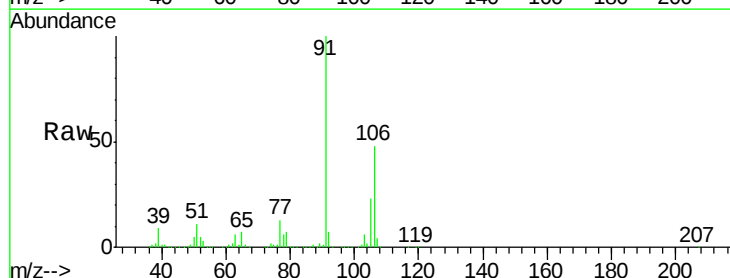
Acq: 23 Apr 2019 12:10

Tgt Ion: 106 Resp: 172897

Ion Ratio Lower Upper

106 100

91 209.0 165.4 248.2



Abundance Ion 106.00 (105.70 to 106.70): VX009113.D (-1461) (-)

Ion 91.00 (90.70 to 91.70): VX009113.D (-1461) (-)

300000

250000

200000

150000

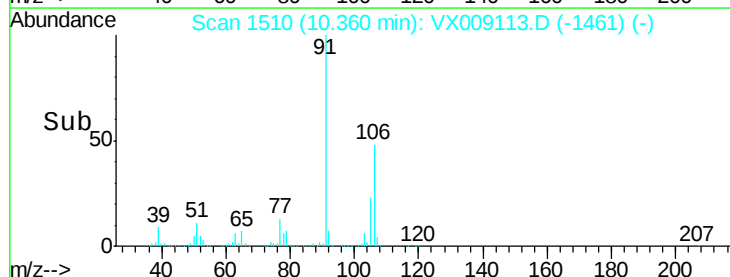
100000

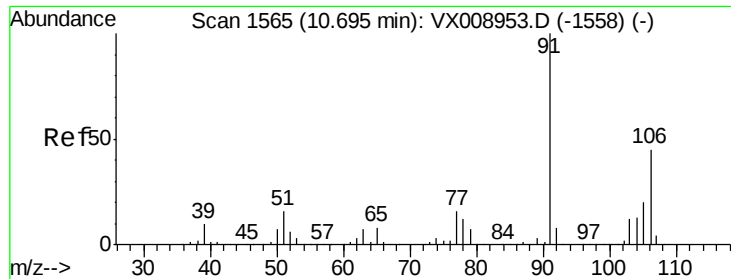
50000

0

10.30 10.40

Time-->





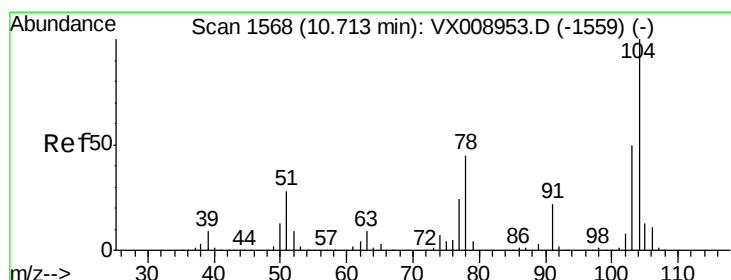
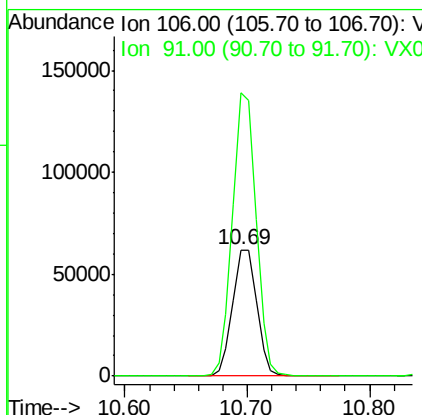
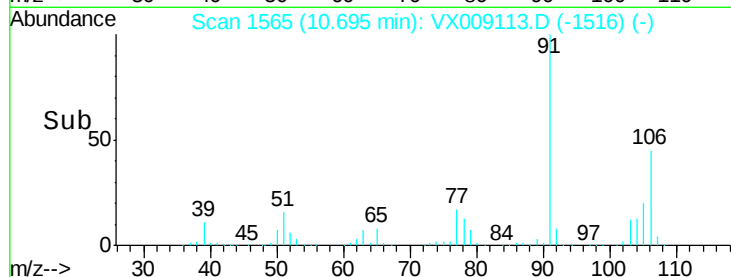
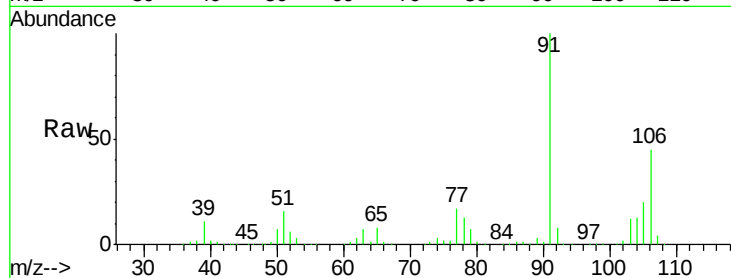
#69
o-Xylene
Concen: 21.923 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS02

Tot Ion:106 Resp: 85143
Ion Ratio Lower Upper
106 100
91 219.1 108.9 326.7

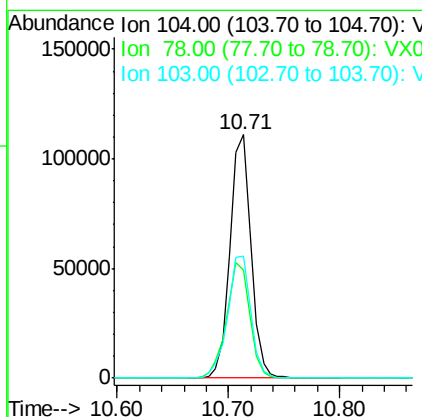
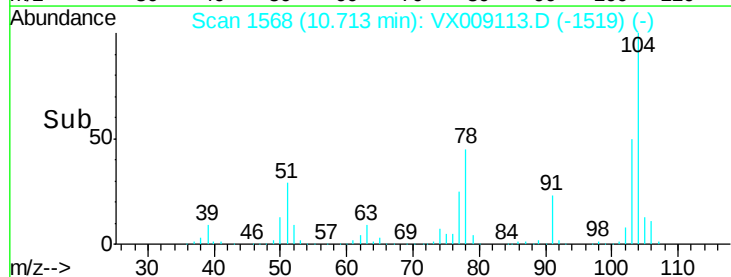
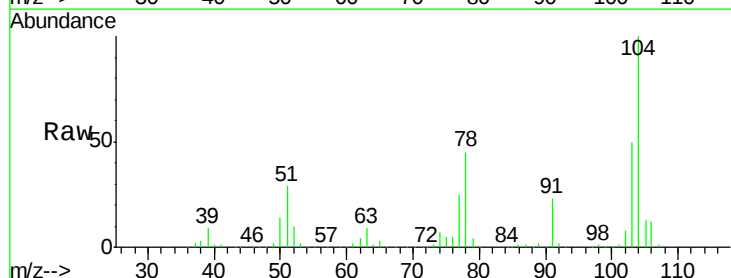
Manual Integrations
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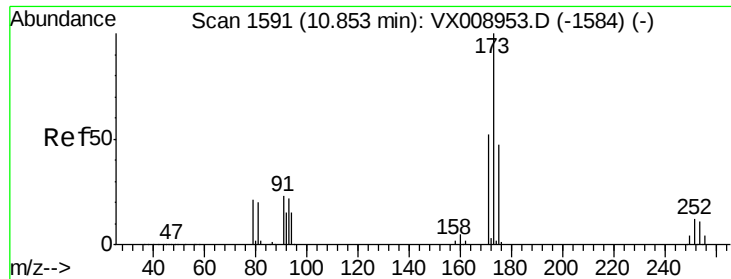
MMDadoda
4/24/2019 12:28:27 PM



#70
Styrene
Concen: 21.533 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Tgt Ion:104 Resp: 144920
Ion Ratio Lower Upper
104 100
78 53.0 41.2 61.8
103 55.7 43.9 65.9





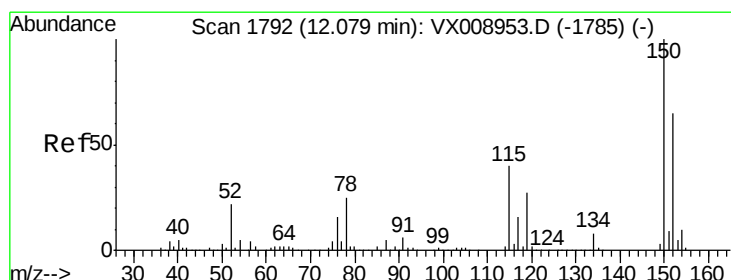
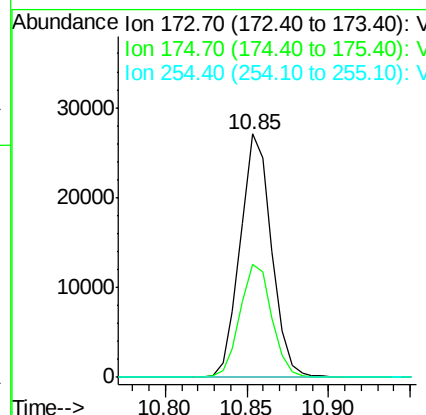
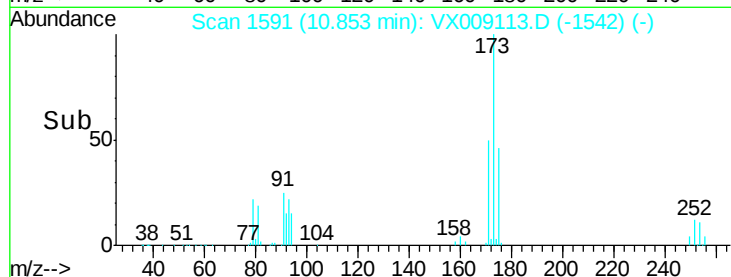
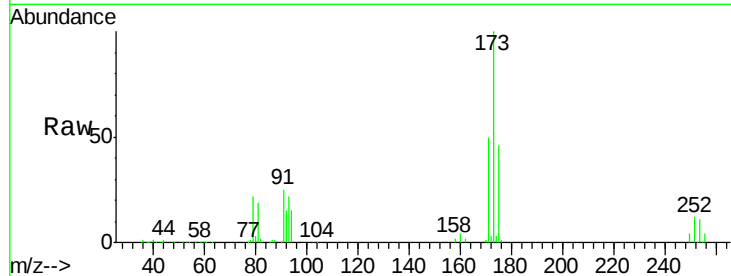
#71
Bromoform
Concen: 21.466 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	23.9	71.8
254	0.2	0.2	0.4

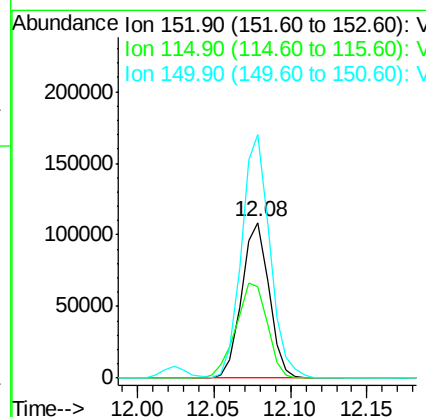
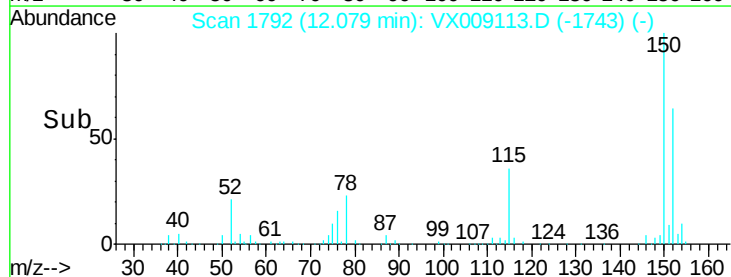
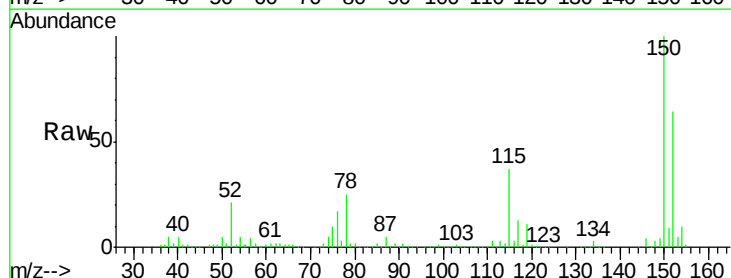
Manual Integrations
APPROVED

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4/24/2019 12:28:27 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	70.5	41.4	124.2
150	162.5	0.0	349.8





#73

Isopropylbenzene

Concen: 22.158 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS02

Tot Ion: 105 Resp: 225514

Ion Ratio Lower Upper

105 100

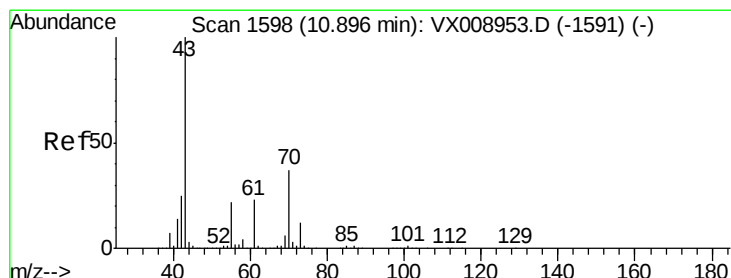
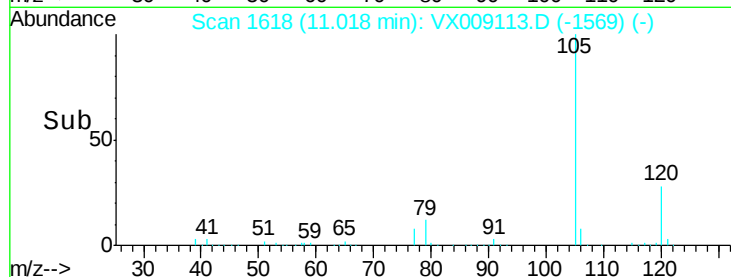
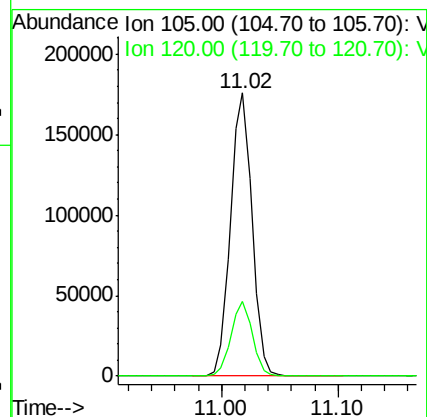
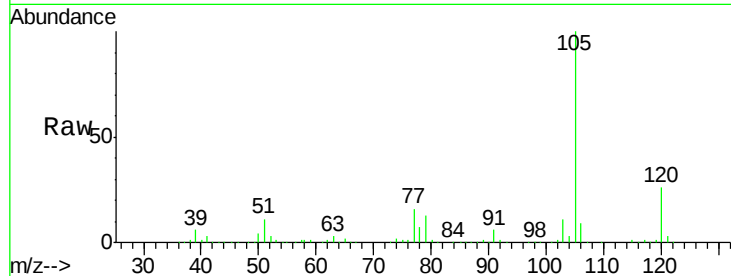
120 26.1 12.9 38.7

Manual Integrations

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MMDadoda

4/24/2019 12:28:27 PM



#74

N-ethyl acetate

Concen: 22.608 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Tgt Ion: 43 Resp: 132116

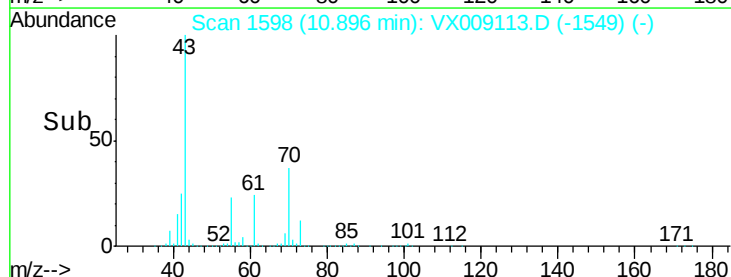
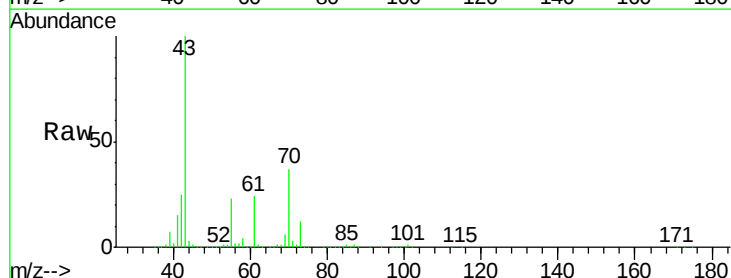
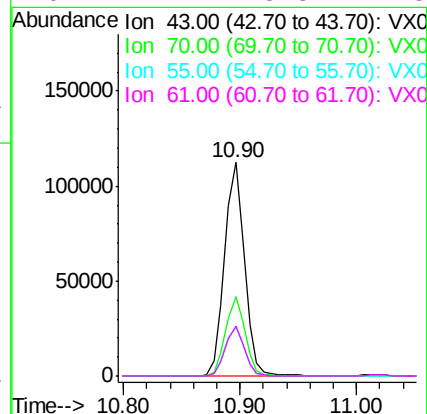
Ion Ratio Lower Upper

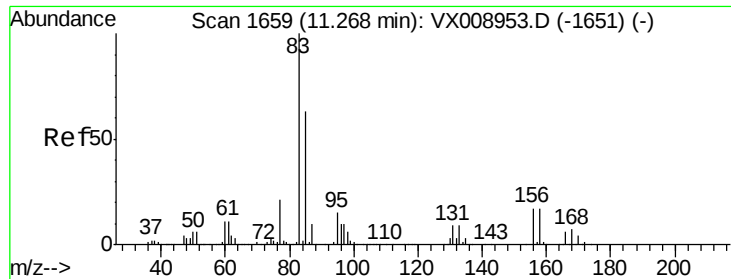
43 100

70 36.7 29.9 44.9

55 22.9 17.8 26.8

61 22.7 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.589 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Instrument :

MSVOA_X

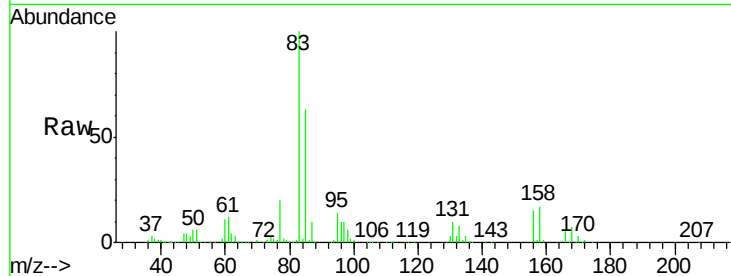
ClientSampleId :

VX0423WBS02

Tot Ion:	83	Resp:	83999
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.7	14.0
85	63.5	31.9	95.9

Manual Integrations
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4/24/2019 12:28:27 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

11.27

60000

40000

20000

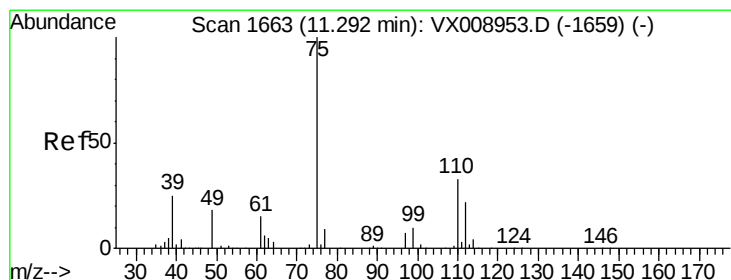
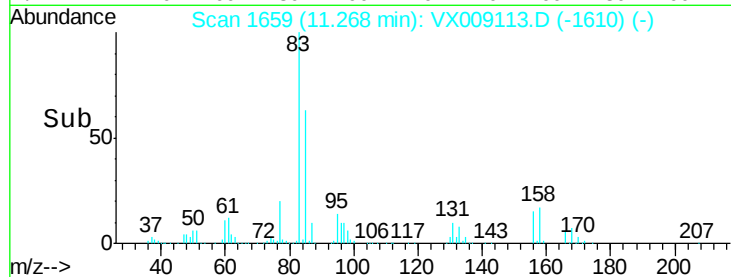
0

11.20

11.30

11.40

Time-->



#76

1,2,3-Trichloropropane

Concen: 25.665 ug/l m

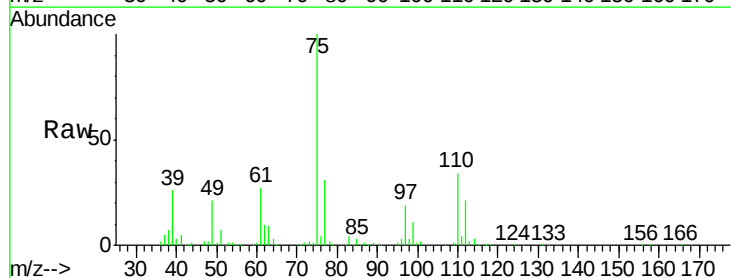
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Tgt Ion:	75	Resp:	84144
Ion Ratio	Lower	Upper	
75	100		
77	37.2	22.7	68.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.29

60000

40000

20000

0

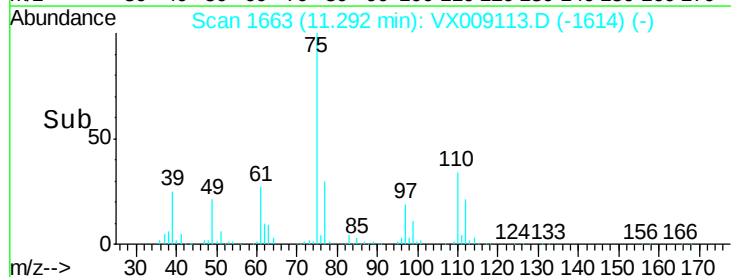
11.26

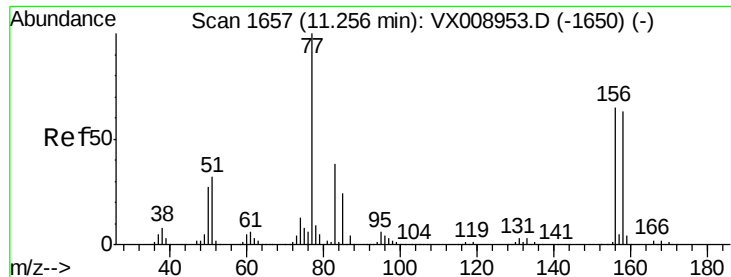
11.28

11.30

11.32

Time-->





#77

Bromobenzene

Concen: 21.578 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS02

Tot Ion:156 Resp: 55410

Ion Ratio Lower Upper

156 100

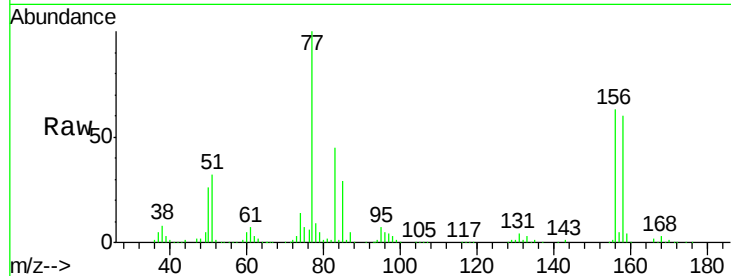
77 171.4 85.4 256.1

158 95.5 48.8 146.4

Manual Integrations
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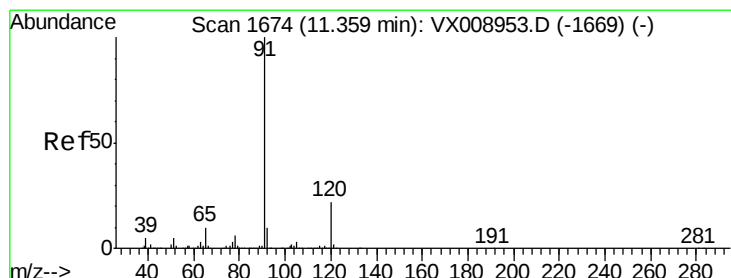
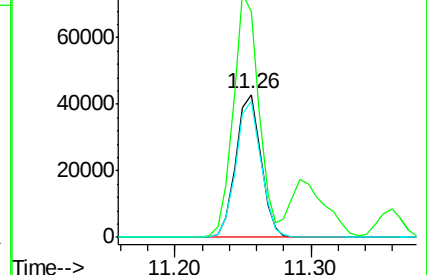
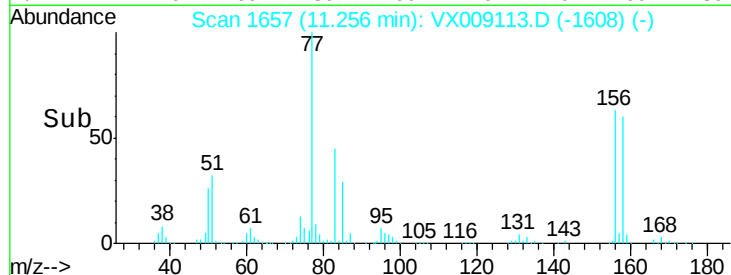
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.362 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009113.D

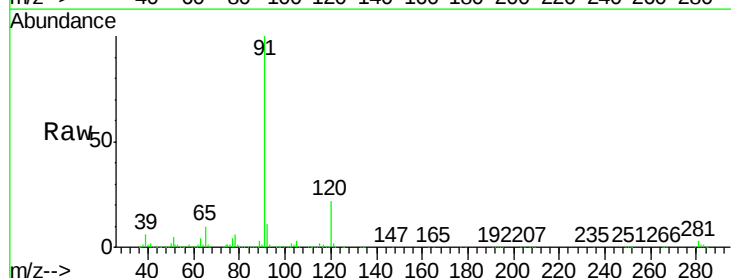
Acq: 23 Apr 2019 12:10

Tgt Ion: 91 Resp: 261215

Ion Ratio Lower Upper

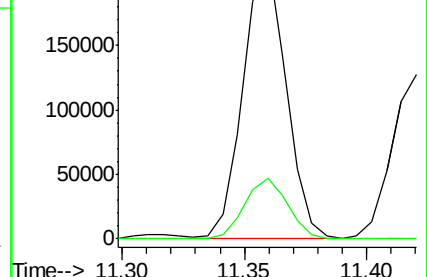
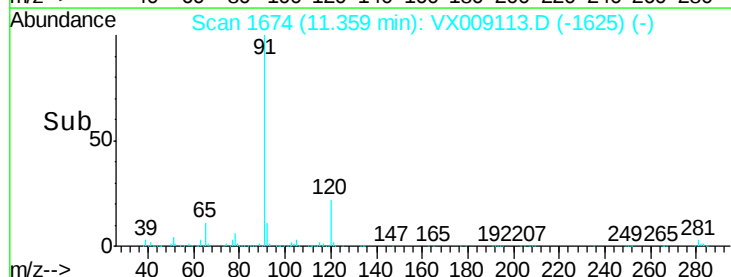
91 100

120 22.2 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





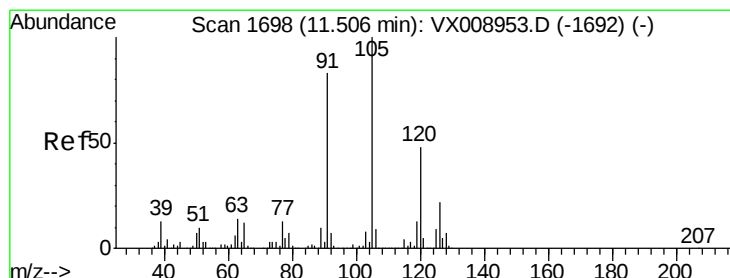
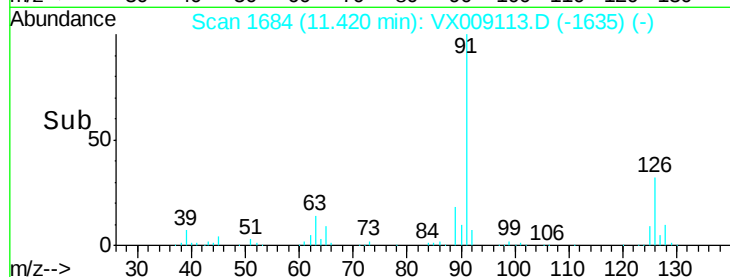
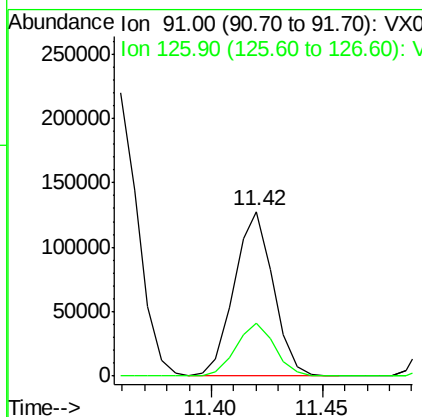
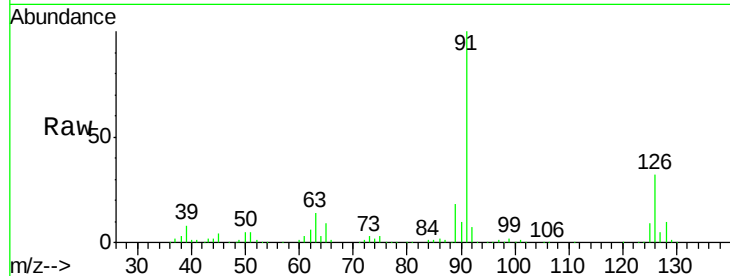
#79
 2-Chlorotoluene
 Concen: 22.037 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX009113.D
 Acq: 23 Apr 2019 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBS02

Tot Ion: 91 Resp: 155127
 Ion Ratio Lower Upper
 91 100
 126 31.9 16.3 48.9

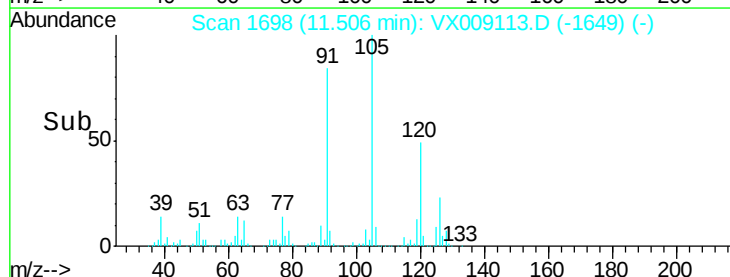
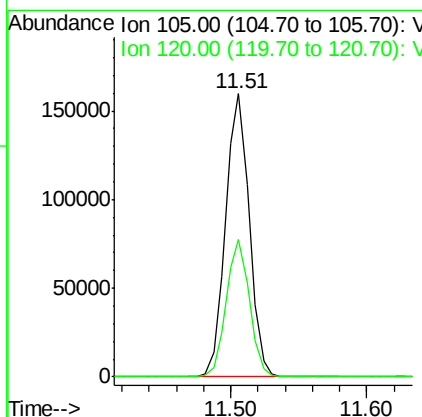
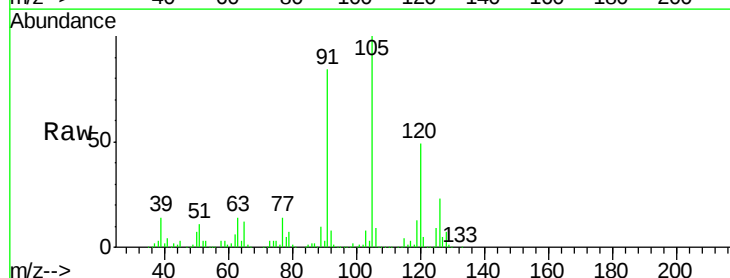
Manual Integrations
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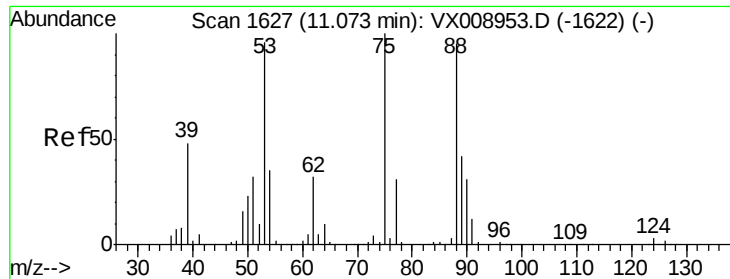
MMDadoda
 4/24/2019 12:28:27 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 22.492 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009113.D
 Acq: 23 Apr 2019 12:10

Tgt Ion: 105 Resp: 192094
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.1 72.3





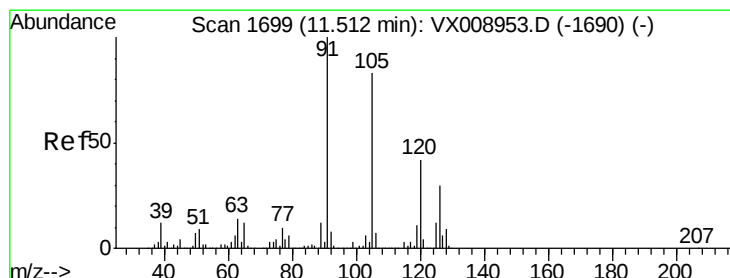
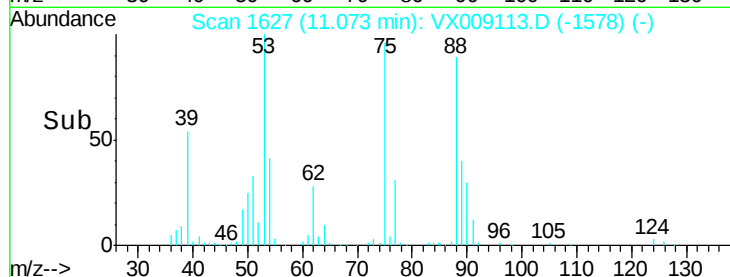
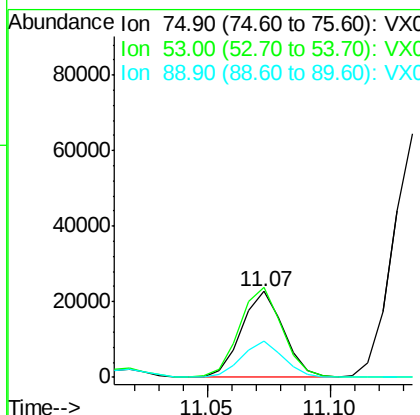
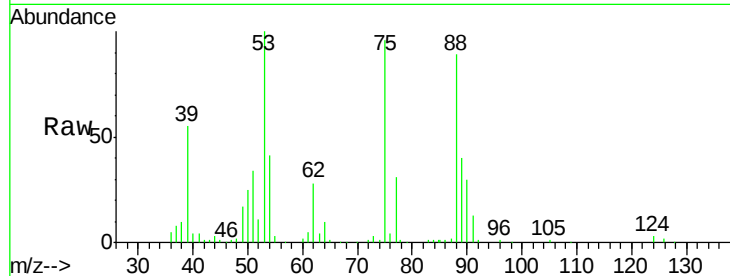
#81
trans-1,4-Dichloro-2-butene
Concen: 21.129 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.0	78.2	117.4
89	42.4	36.0	54.0

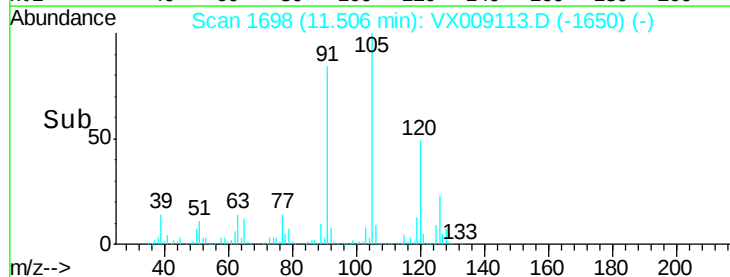
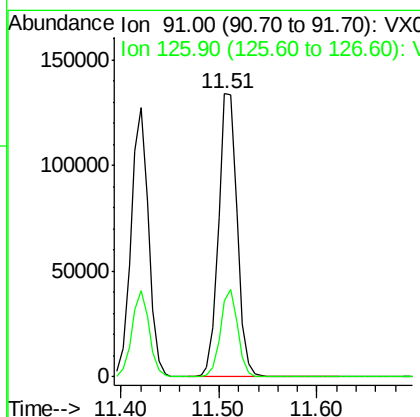
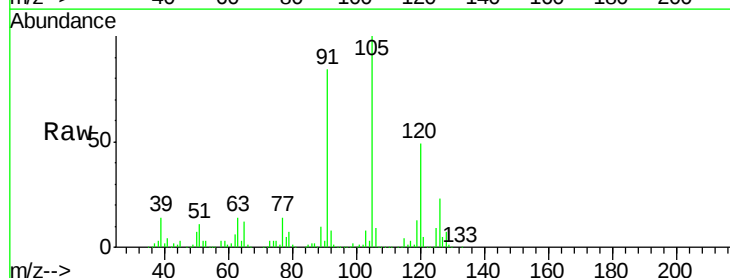
Manual Integrations
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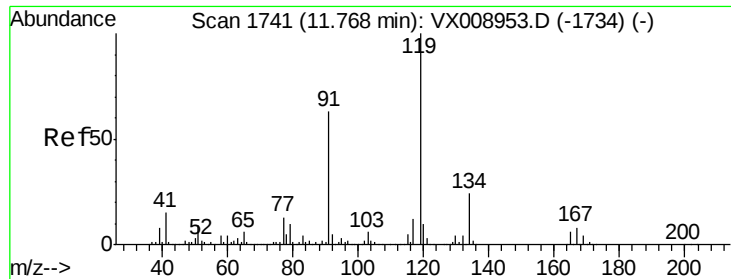
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.647 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.3	42.9





#83

tert-Butylbenzene

Concen: 22.055 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Instrument :

MSVOA_X

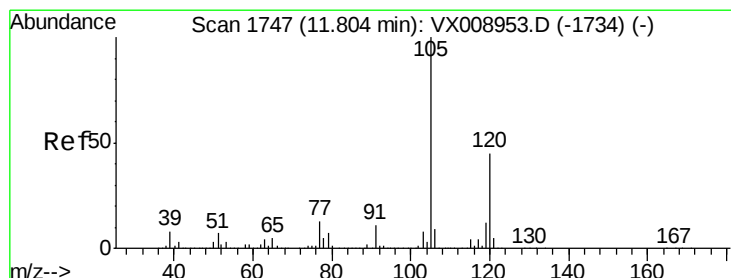
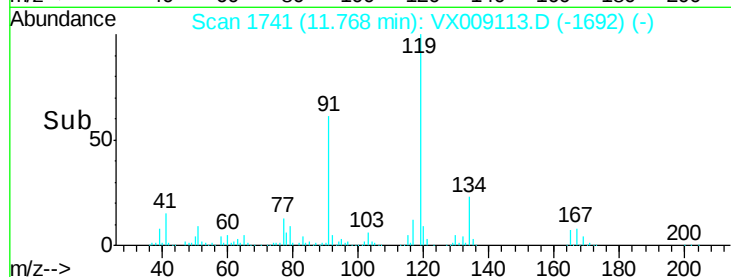
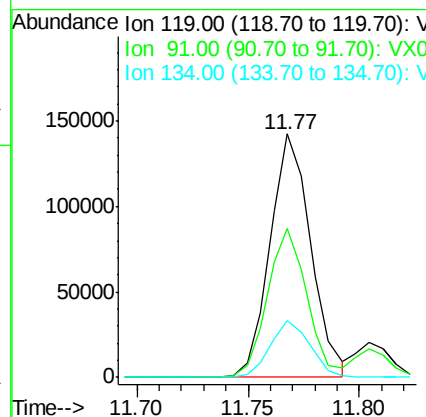
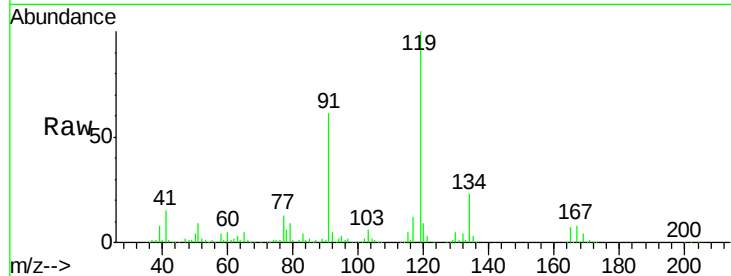
ClientSampleId :

VX0423WBS02

Tot Ion:	119	Resp:	180843
Ion Ratio	Lower	Upper	
119	100		
91	59.3	29.7	89.1
134	22.6	11.2	33.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 22.338 ug/l

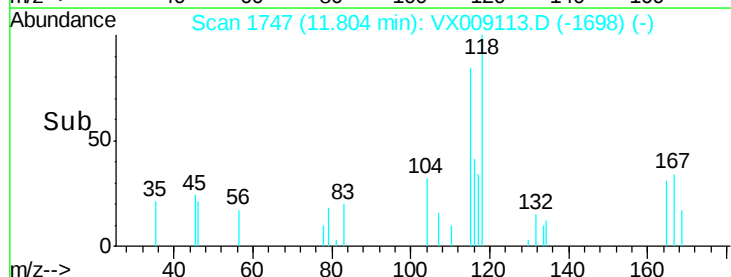
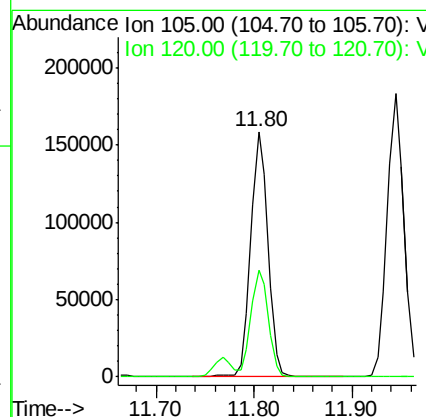
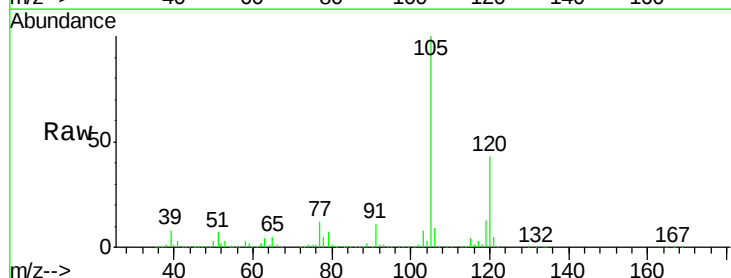
RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Tgt Ion:	105	Resp:	194193
Ion Ratio	Lower	Upper	
105	100		
120	44.2	21.9	65.8





#85

sec-Butylbenzene

Concen: 22.317 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS02

Tot Ion:105 Resp: 218249

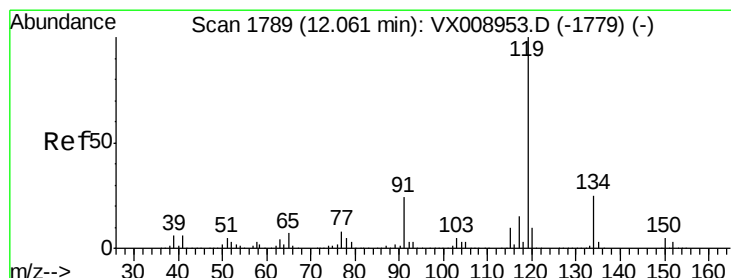
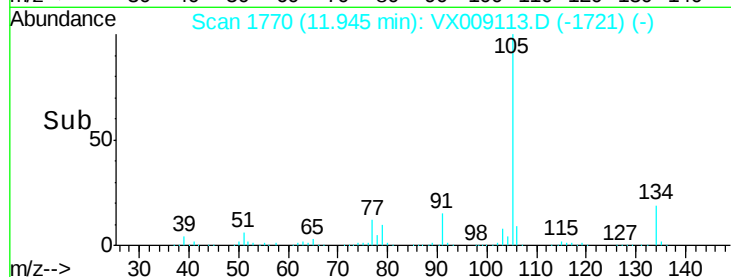
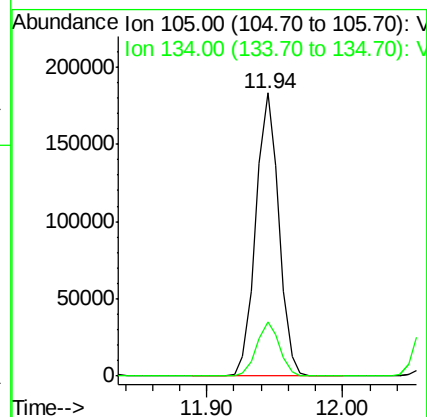
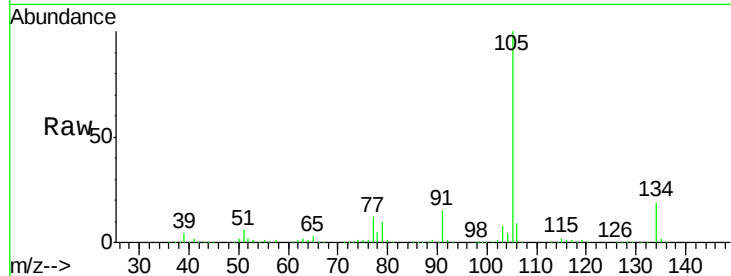
Ion Ratio Lower Upper

105 100

134 18.9 9.6 28.6

Manual Integrations
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MMDadoda
4/24/2019 12:28:27 PM



#86

p-Isopropyltoluene

Concen: 21.995 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009113.D

Acq: 23 Apr 2019 12:10

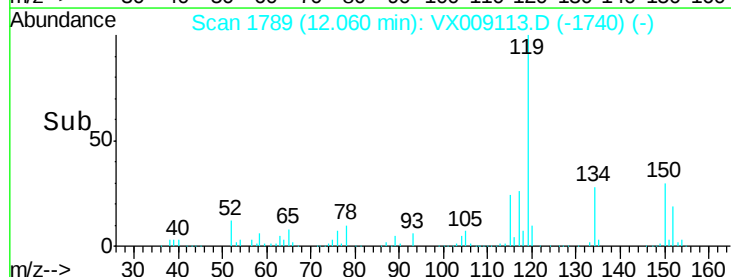
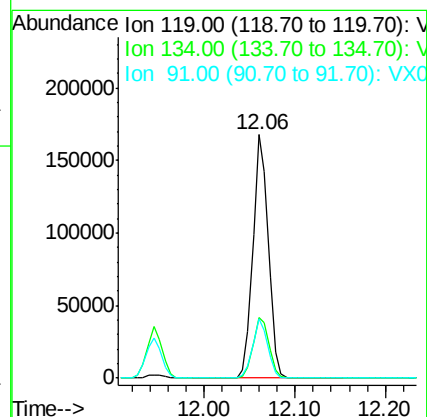
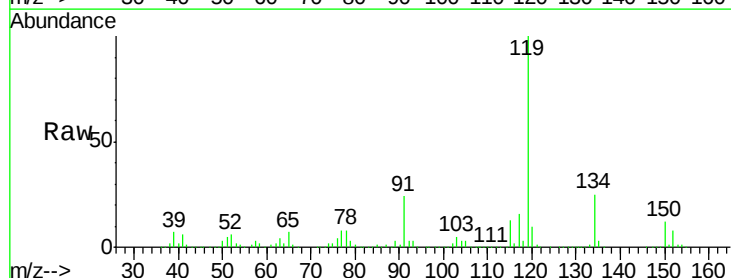
Tgt Ion:119 Resp: 197756

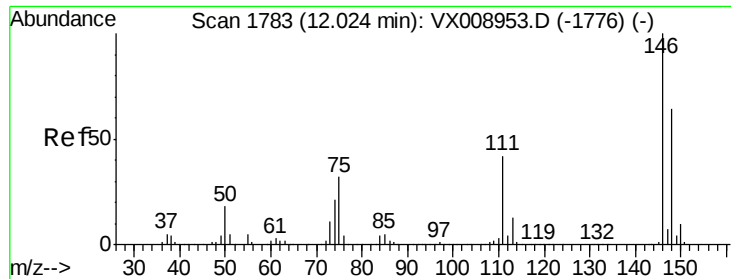
Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.6

91 24.0 11.9 35.5





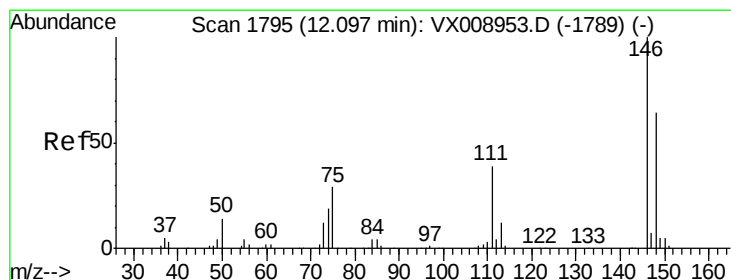
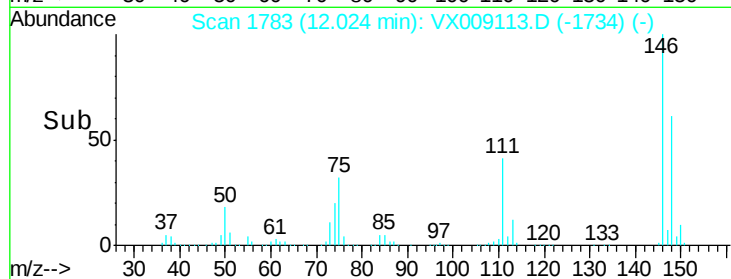
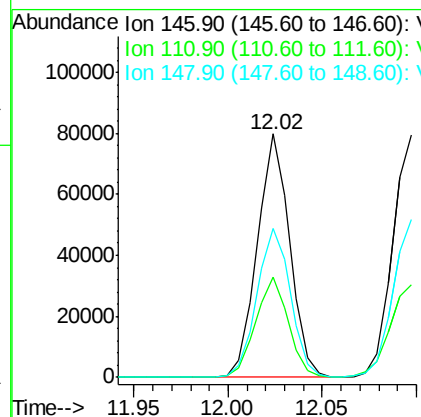
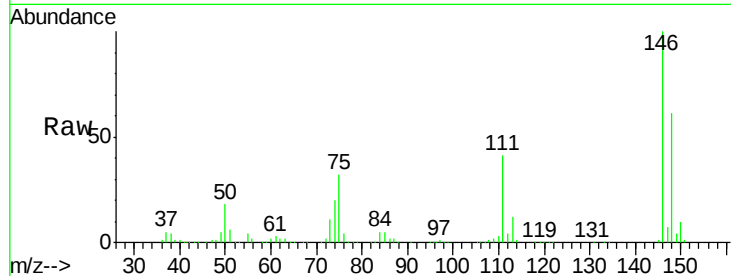
#87
 1,3-Dichlorobenzene
 Concen: 21.142 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009113.D
 Acq: 23 Apr 2019 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.5	61.6
148	63.4	32.2	96.6

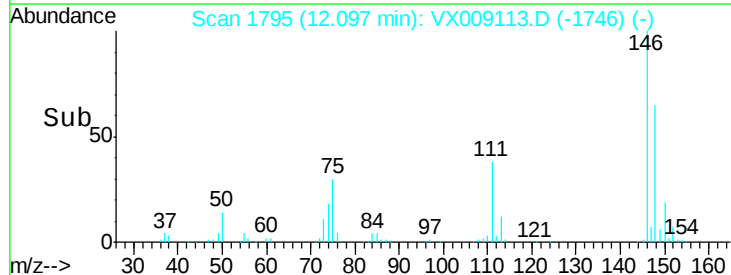
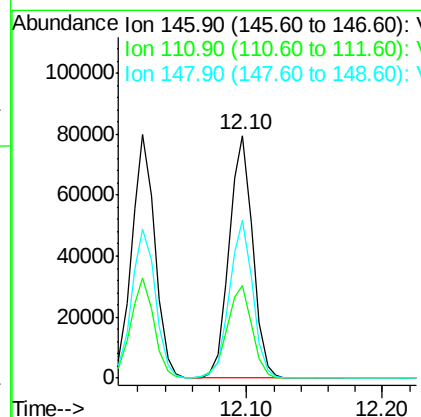
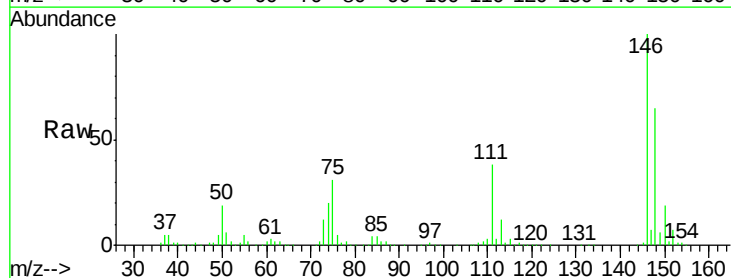
Manual Integrations
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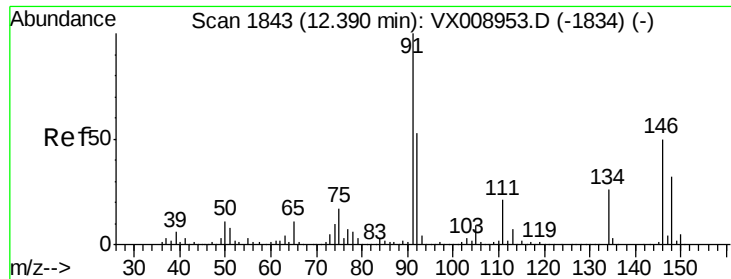
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#88
 1,4-Dichlorobenzene
 Concen: 20.820 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009113.D
 Acq: 23 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.0	59.9
148	64.6	32.2	96.6





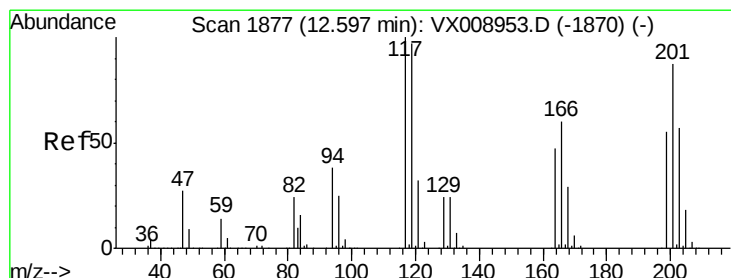
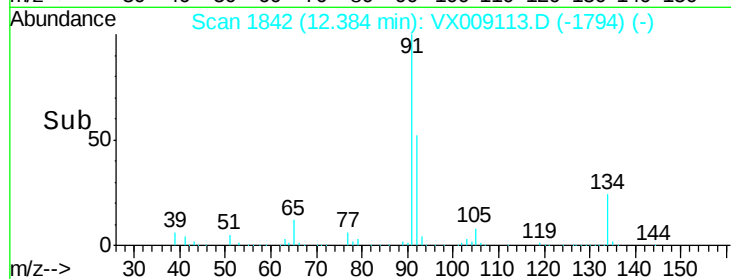
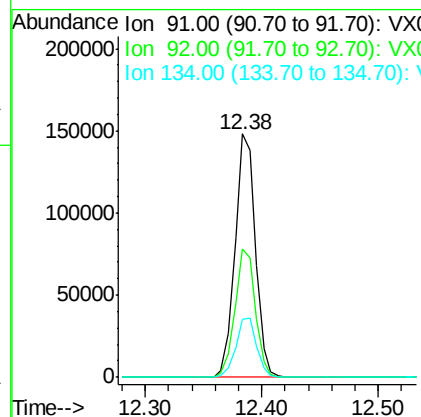
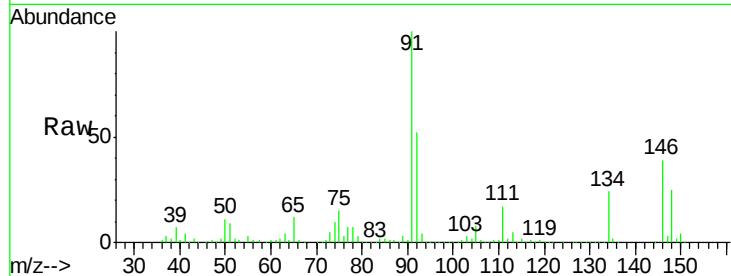
#89
n-Butylbenzene
Concen: 21.549 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.6	79.8
134	24.5	12.4	37.2

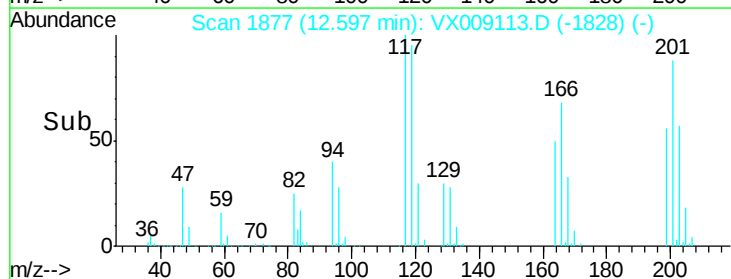
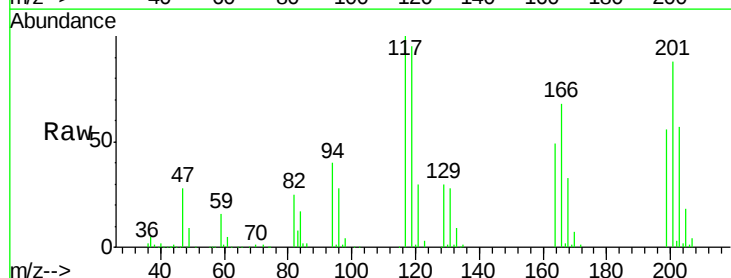
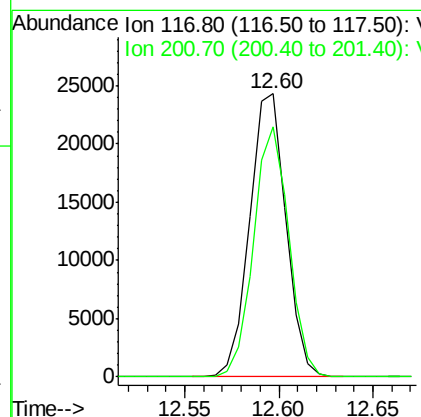
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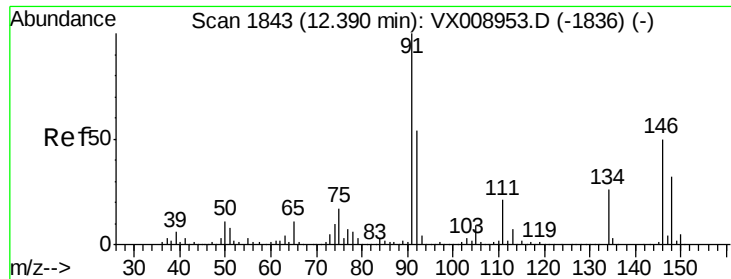
MMDadoda
4/24/2019 12:28:27 PM



#90
Hexachloroethane
Concen: 21.857 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.5	43.0	129.0





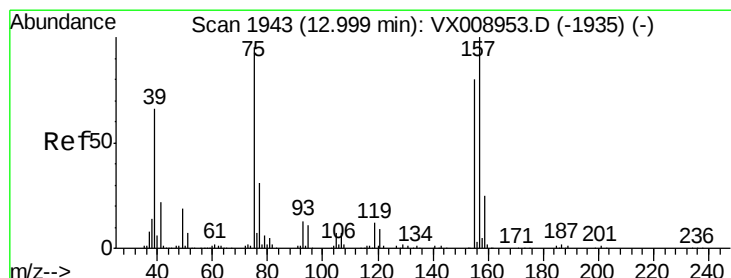
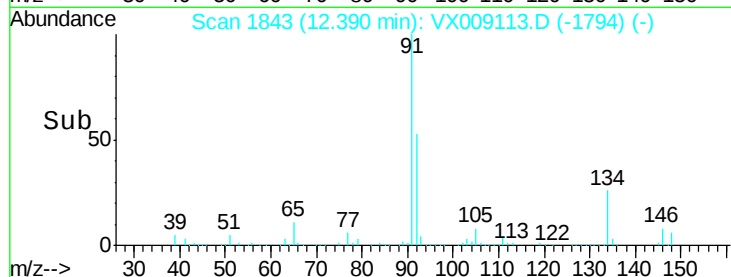
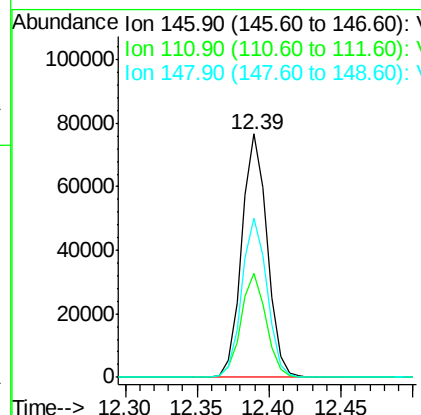
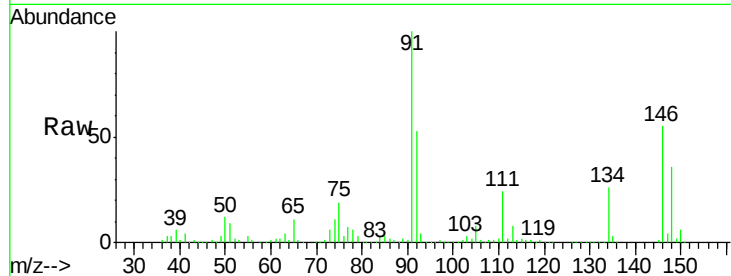
#91
 1,2-Dichlorobenzene
 Concen: 21.242 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009113.D
 Acq: 23 Apr 2019 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.6	61.9
148	64.9	32.0	96.2

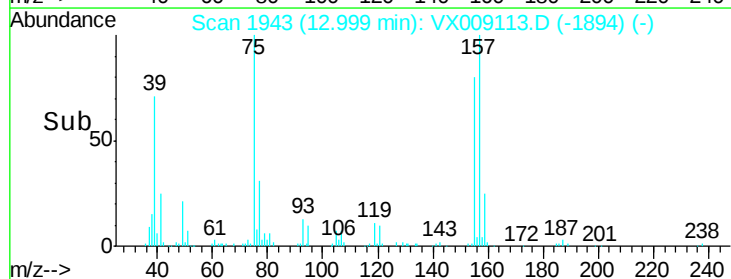
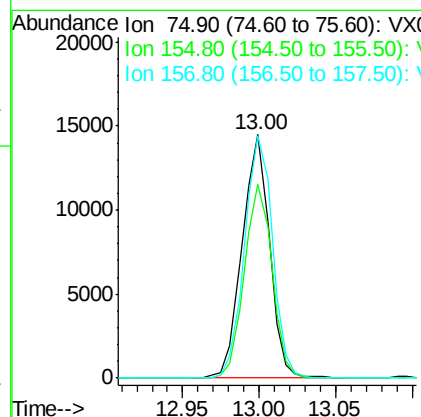
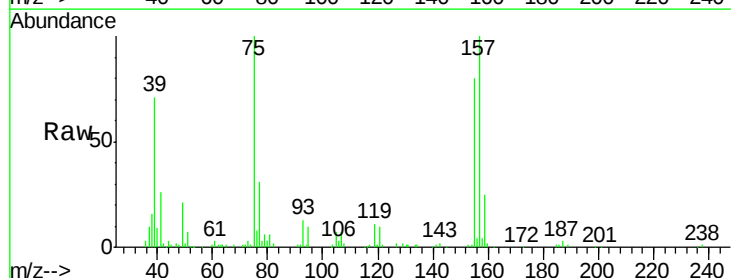
Manual Integrations
 APPROVED

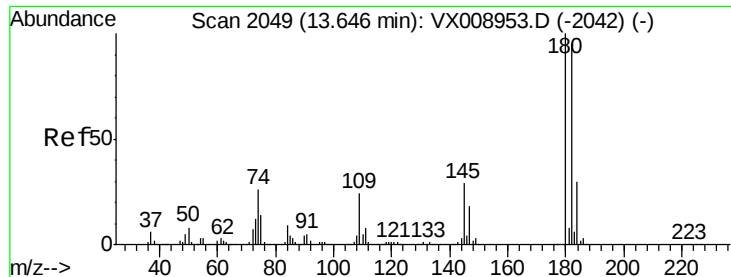
MMDadoda
 4/24/2019 12:28:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.175 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009113.D
 Acq: 23 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.5	41.2	123.6
157	101.8	52.5	157.6





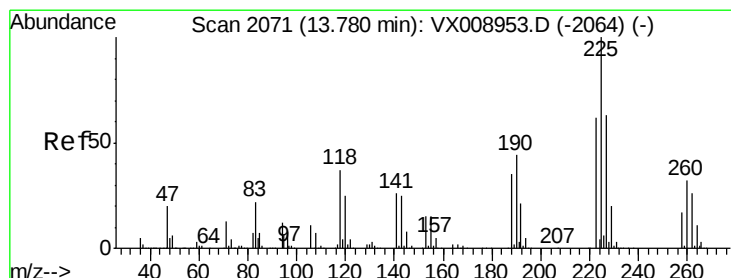
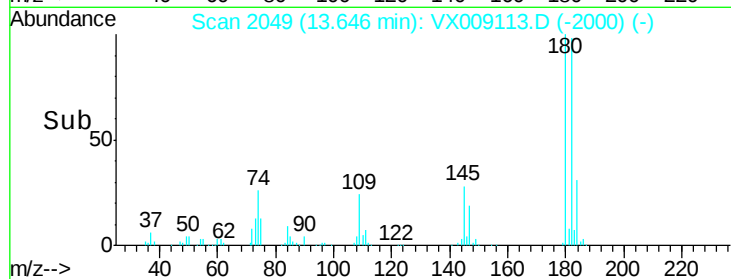
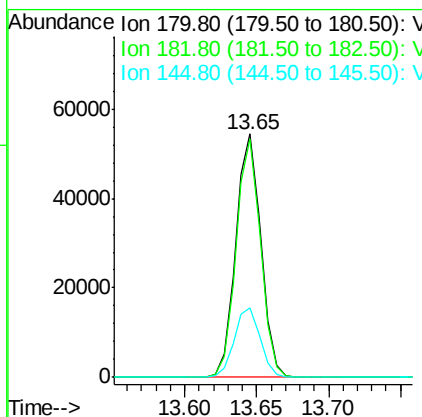
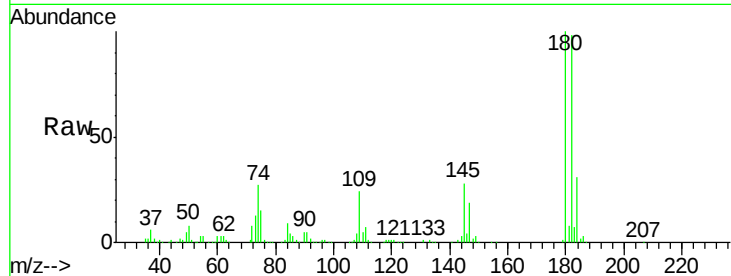
#93
 1,2,4-Trichlorobenzene
 Concen: 20.618 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009113.D
 Acq: 23 Apr 2019 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.6	142.9
145	29.7	14.8	44.4

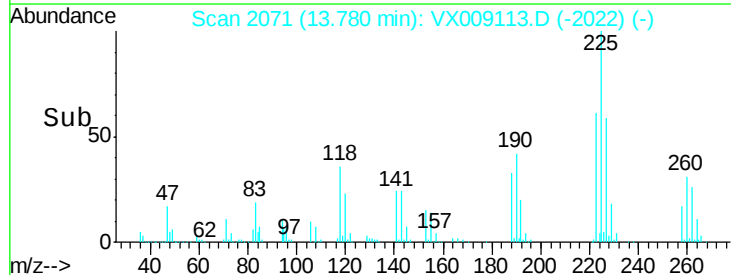
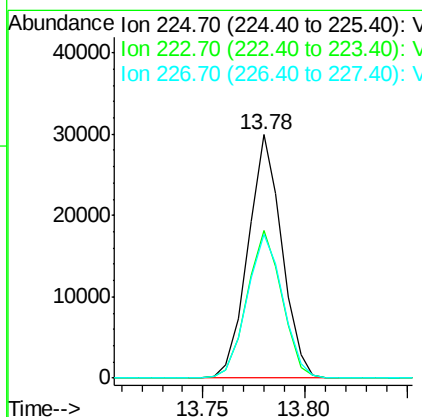
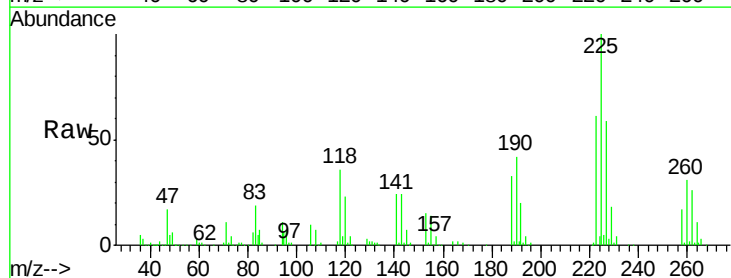
Manual Integrations
 APPROVED

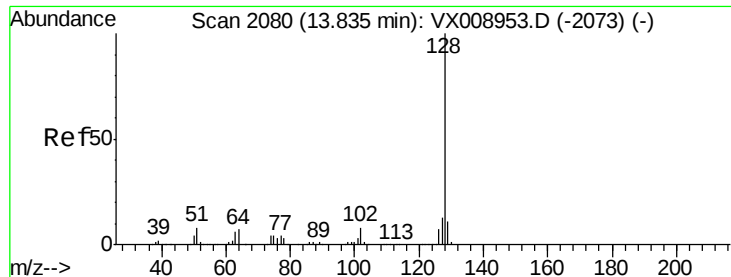
MMDadoda
 4/24/2019 12:28:27 PM



#94
 Hexachlorobutadiene
 Concen: 21.569 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009113.D
 Acq: 23 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.1	93.2
227	62.6	32.0	96.2





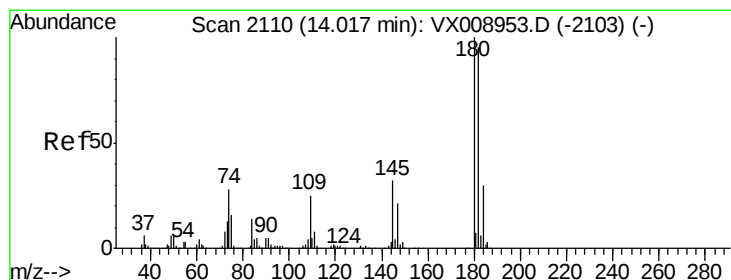
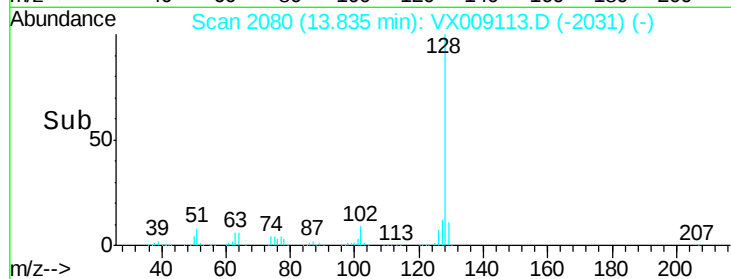
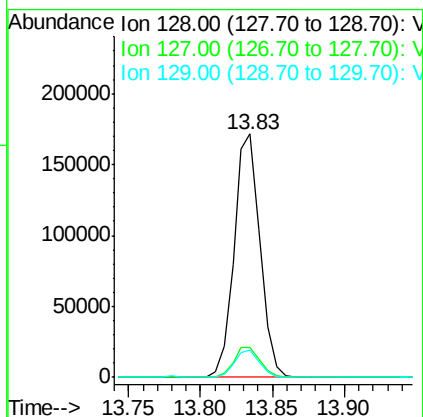
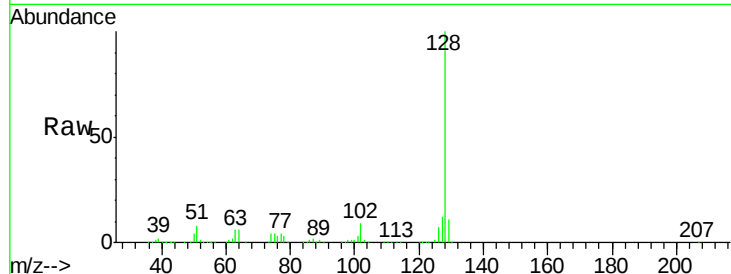
#95
Naphthalene
Concen: 20.964 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	215167		
127	12.7	10.6	16.0	
129	10.9	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
4/24/2019 12:28:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.770 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009113.D
Acq: 23 Apr 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	65651		
182	96.9	47.8	143.4	
145	30.6	15.8	47.3	

