

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042619\
 Data File : VX009192.D
 Acq On : 26 Apr 2019 16:10
 Operator : JC/SP
 Sample : VX0426WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/29/2019 11:25:35 AM

Quant Time: Apr 27 05:37:39 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	194996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	313128	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	283741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133770	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	125920	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	
35) Dibromofluoromethane	5.50	113	92999	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	
50) Toluene-d8	8.71	98	369459	46.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.20%	
62) 4-Bromofluorobenzene	11.13	95	134035	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	40890	18.206	ug/l	97
3) Chloromethane	1.32	50	49510	17.956	ug/l	95
4) Vinyl Chloride	1.41	62	48609	18.113	ug/l	100
5) Bromomethane	1.64	94	22823	16.384	ug/l	100
6) Chloroethane	1.71	64	31515	19.970	ug/l	100
7) Trichlorofluoromethane	1.92	101	57916	18.484	ug/l	97
8) Diethyl Ether	2.19	74	26873	18.753	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	36077	18.008	ug/l	99
10) Methyl Iodide	2.51	142	20312	12.869	ug/l	99
11) Tert butyl alcohol	3.05	59	64954	106.483	ug/l	100
12) 1,1-Dichloroethene	2.37	96	36530	17.469	ug/l	97
13) Acrolein	2.29	56	51580	97.864	ug/l	99
14) Allyl chloride	2.73	41	86171	18.888	ug/l	99
15) Acrylonitrile	3.14	53	153149	98.904	ug/l	100
16) Acetone	2.45	43	151339	106.197	ug/l	98
17) Carbon Disulfide	2.57	76	101090	17.292	ug/l	99
18) Methyl Acetate	2.78	43	71546	20.116	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	140668	18.879	ug/l	99
20) Methylene Chloride	2.85	84	43923	18.023	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	37955	17.017	ug/l	92
22) Diisopropyl ether	3.85	45	171590	19.356	ug/l	95
23) Vinyl Acetate	3.82	43	761323	97.697	ug/l	99
24) 1,1-Dichloroethane	3.70	63	81335	18.277	ug/l	100
25) 2-Butanone	4.68	43	238605	104.748	ug/l	100
26) 2,2-Dichloropropane	4.59	77	60423	18.114	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	45823	18.095	ug/l	97
28) Bromochloromethane	5.01	49	38310	19.551	ug/l	97
29) Tetrahydrofuran	5.13	42	150413	98.655	ug/l	99
30) Chloroform	5.21	83	74681	18.754	ug/l	96
31) Cyclohexane	5.58	56	78136	17.852	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	61192	18.540	ug/l	99
36) 1,1-Dichloropropene	5.80	75	55289	17.073	ug/l	97
37) Ethyl Acetate	4.84	43	85151	20.434	ug/l	100
38) Carbon Tetrachloride	5.79	117	49883	18.169	ug/l	99

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MMDadoda
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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)
39) Methylcyclohexane	7.46	83	70171	17.797	ug/l	99
40) Benzene	6.14	78	176010	18.423	ug/l	99
41) Methacrylonitrile	5.05	41	47355	19.800	ug/l	98
42) 1,2-Dichloroethane	6.19	62	63888	18.878	ug/l	99
43) Isopropyl Acetate	6.45	43	129994	19.358	ug/l	100
44) Trichloroethene	7.21	130	41040	17.532	ug/l	98
45) 1,2-Dichloropropane	7.51	63	50548	19.072	ug/l	99
46) Dibromomethane	7.66	93	28215	18.292	ug/l	100
47) Bromodichloromethane	7.90	83	56162	18.564	ug/l	99
48) Methyl methacrylate	7.77	41	64768	19.520	ug/l	99
49) 1,4-Dioxane	7.74	88	26378	424.735	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	444965	104.008	ug/l	99
52) Toluene	8.79	92	107723	18.814	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	62815	18.041	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	71233	18.271	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	43577	19.203	ug/l	99
56) Ethyl methacrylate	9.18	69	79479	19.533	ug/l	99
57) 1,3-Dichloropropane	9.37	76	77460	19.172	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	193837	88.464	ug/l	100
59) 2-Hexanone	9.49	43	351809	106.661	ug/l	99
60) Dibromochloromethane	9.58	129	41300	18.990	ug/l	100
61) 1,2-Dibromoethane	9.67	107	44440	18.975	ug/l	100
64) Tetrachloroethene	9.33	164	37199	17.258	ug/l	97
65) Chlorobenzene	10.14	112	108857	18.176	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	38822	18.400	ug/l	99
67) Ethyl Benzene	10.25	91	203359	18.575	ug/l	100
68) m/p-Xylenes	10.36	106	149601	37.599	ug/l	99
69) o-Xylene	10.70	106	72962	18.846	ug/l	99
70) Styrene	10.71	104	124508	18.559	ug/l	99
71) Bromoform	10.85	173	30619	18.216	ug/l #	98
73) Isopropylbenzene	11.02	105	192497	18.985	ug/l	99
74) N-amyl acetate	10.90	43	116766	20.056	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	72891	19.675	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	63287m	19.375	ug/l	
77) Bromobenzene	11.26	156	48065	18.788	ug/l	99
78) n-propylbenzene	11.36	91	220181	18.919	ug/l	100
79) 2-Chlorotoluene	11.42	91	133866	19.088	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	163075	19.166	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	22425	17.625	ug/l	93
82) 4-Chlorotoluene	11.51	91	152275	18.696	ug/l	99
83) tert-Butylbenzene	11.77	119	159851	19.568	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	164967	19.047	ug/l	100
85) sec-Butylbenzene	11.94	105	185868	19.077	ug/l	99
86) p-Isopropyltoluene	12.06	119	169107	18.879	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	81878	18.286	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	83346	18.362	ug/l	99
89) n-Butylbenzene	12.38	91	149828	17.960	ug/l	99
90) Hexachloroethane	12.60	117	27357	18.515	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	84580	19.129	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17042	20.203	ug/l	95

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MSVOA_X
ClientSampleId :
VX0426WBSD01

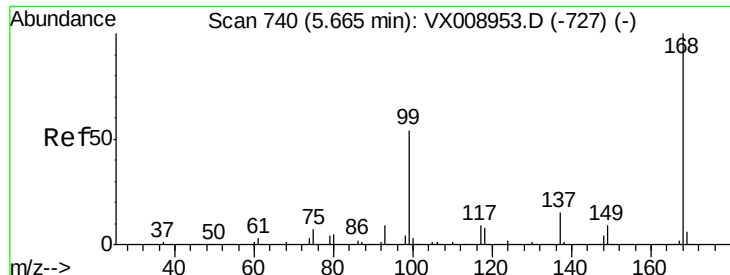
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	57025	17.867	ug/l	100
94) Hexachlorobutadiene	13.78	225	28885	18.145	ug/l	99
95) Naphthalene	13.83	128	196595	19.226	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	59145	18.781	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: VX009192.D

Acq: 26 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBSD01

Tot Ion:168 Resp: 194996

Ion Ratio Lower Upper

168 100

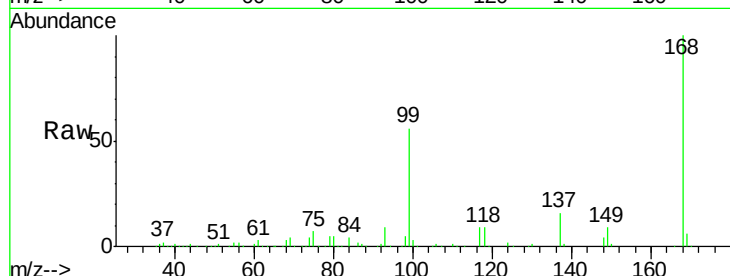
99 56.1 43.0 64.6

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

80000

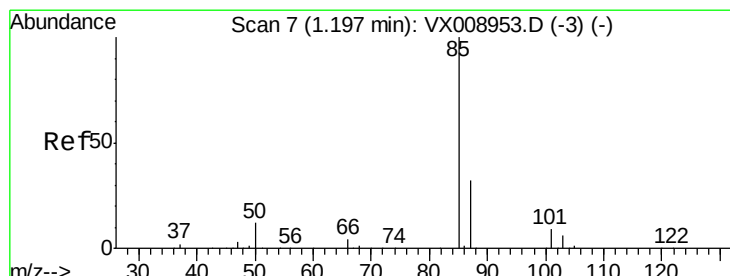
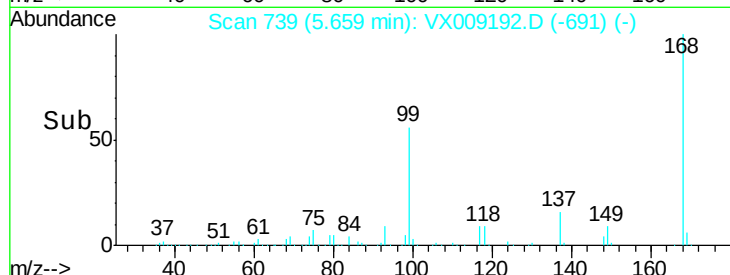
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.206 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009192.D

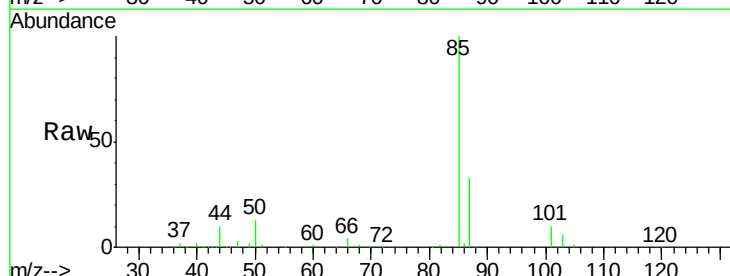
Acq: 26 Apr 2019 16:10

Tgt Ion: 85 Resp: 40890

Ion Ratio Lower Upper

85 100

87 33.5 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

40000

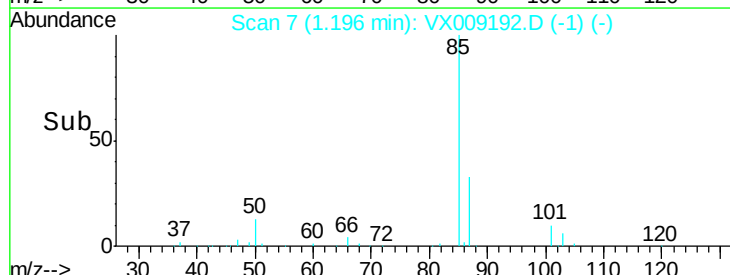
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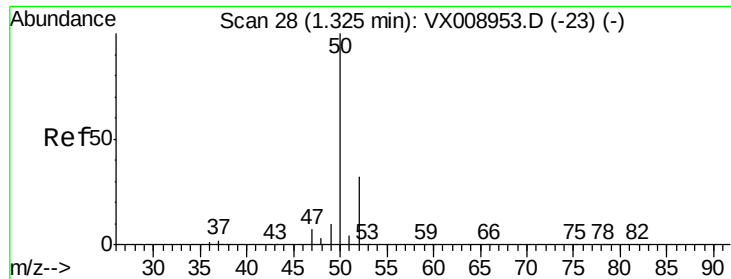
20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.956 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBSD01

Tot Ion: 50 Resp: 49510

Ion Ratio Lower Upper

50 100

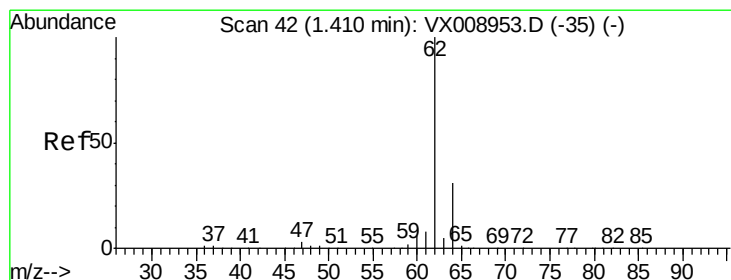
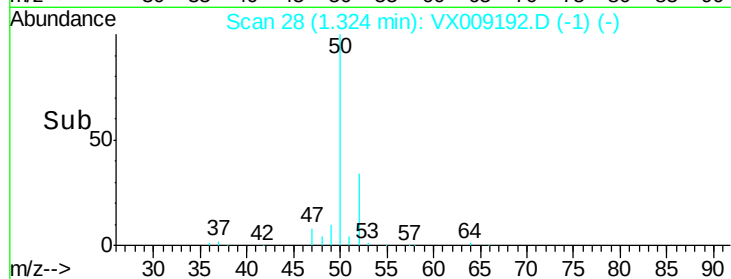
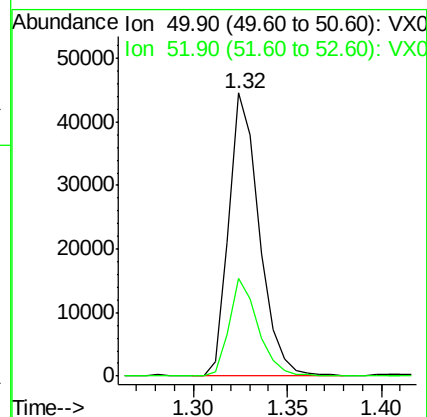
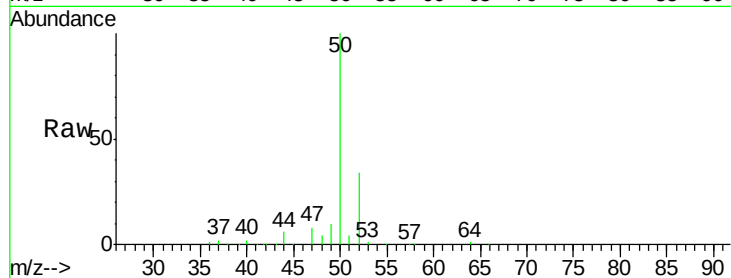
52 34.5 25.5 38.3

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#4

Vinyl Chloride

Concen: 18.113 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009192.D

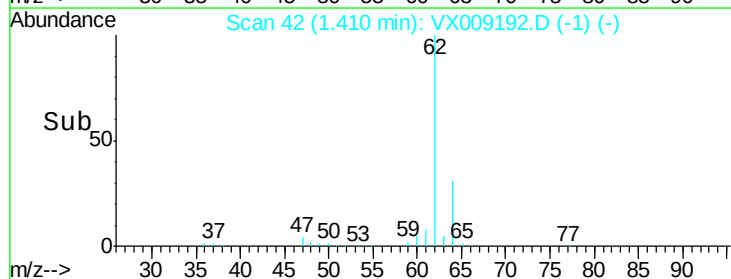
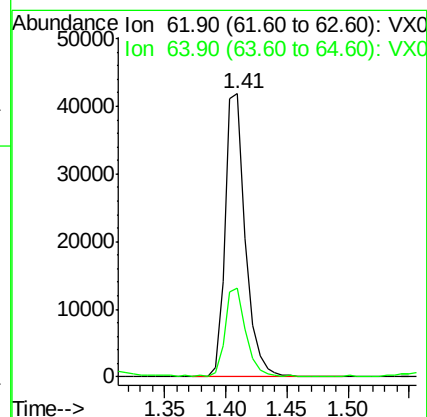
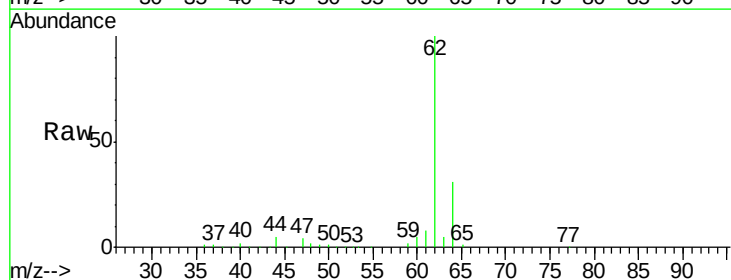
Acq: 26 Apr 2019 16:10

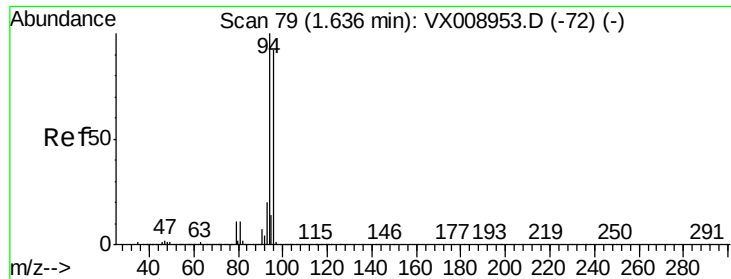
Tgt Ion: 62 Resp: 48609

Ion Ratio Lower Upper

62 100

64 31.0 25.0 37.4





#5

Bromomethane

Concen: 16.384 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBSD01

Tot Ion: 94 Resp: 22823

Ion Ratio Lower Upper

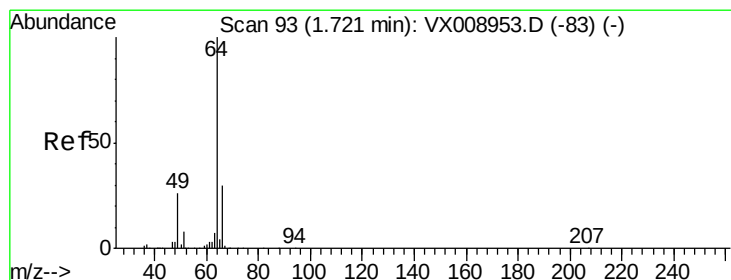
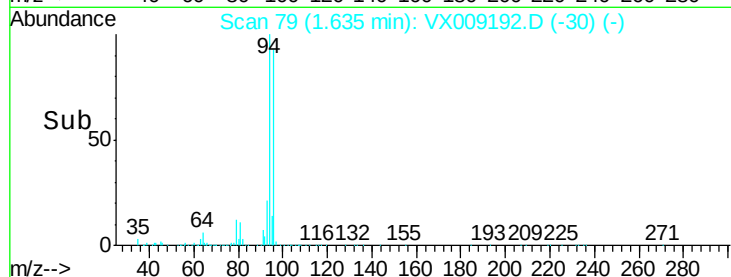
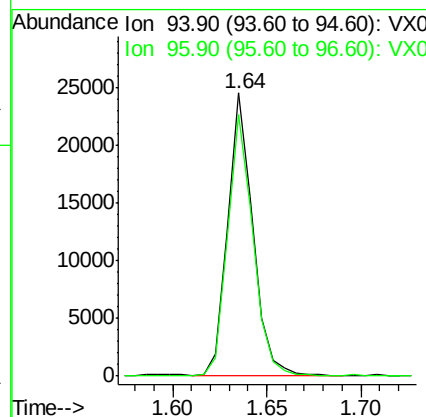
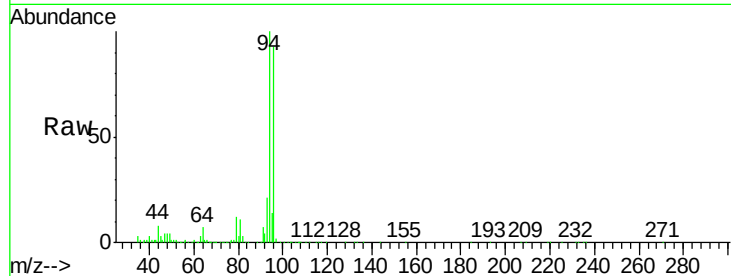
94 100

96 92.3 73.9 110.9

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4/29/2019 11:25:35 AM



#6

Chloroethane

Concen: 19.970 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009192.D

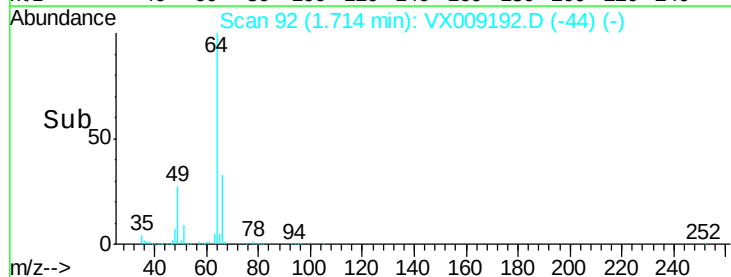
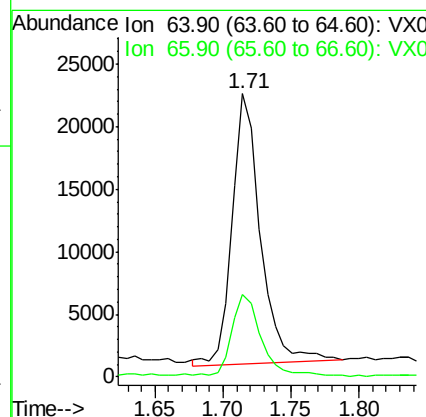
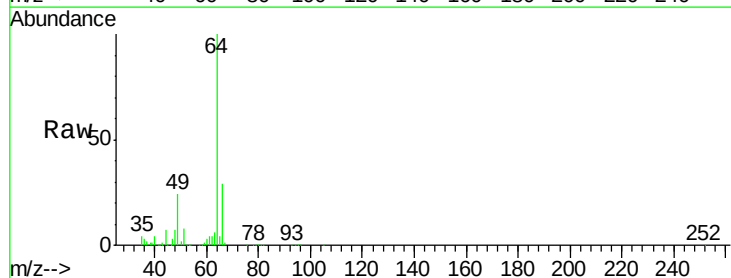
Acq: 26 Apr 2019 16:10

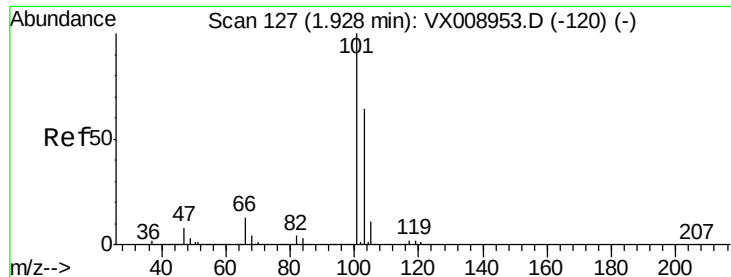
Tgt Ion: 64 Resp: 31515

Ion Ratio Lower Upper

64 100

66 30.2 24.2 36.2





#7

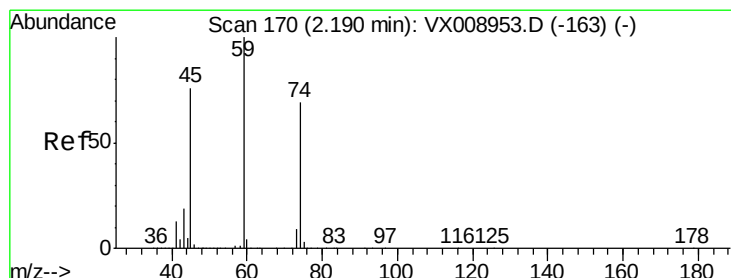
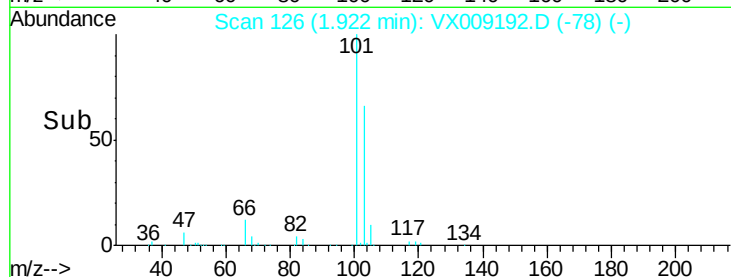
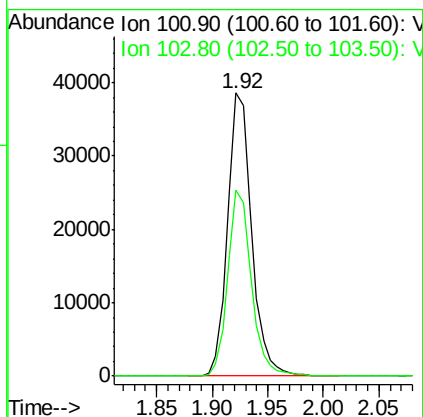
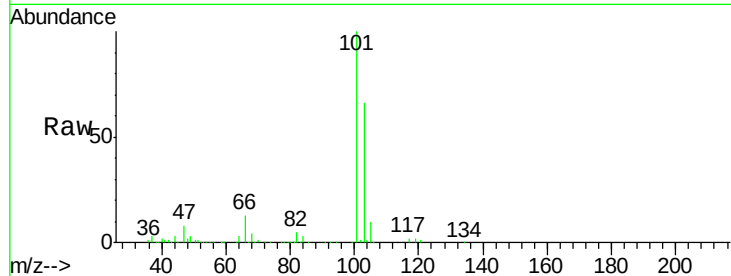
Trichlorofluoromethane
 Concen: 18.484 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX009192.D
 Acq: 26 Apr 2019 16:10

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 ClientSampleId :
 VX0426WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.0	76.6

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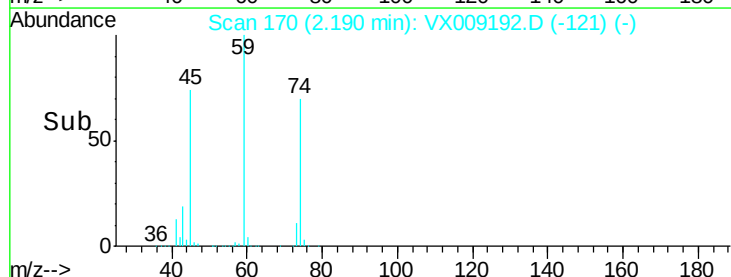
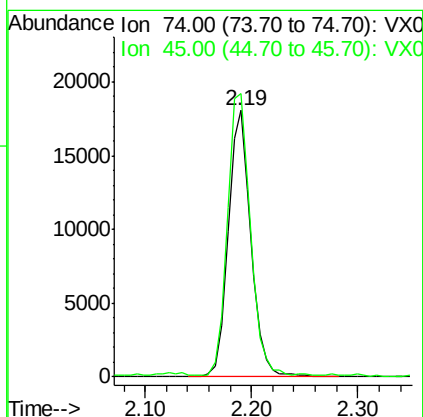
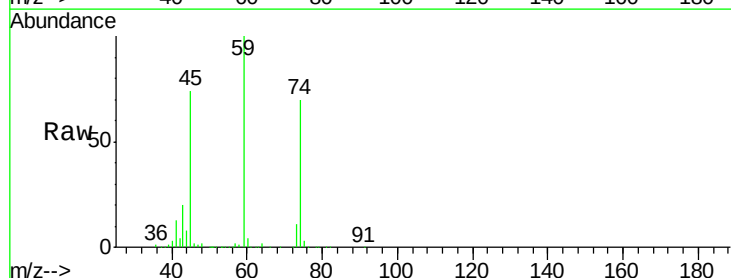
MMDadoda
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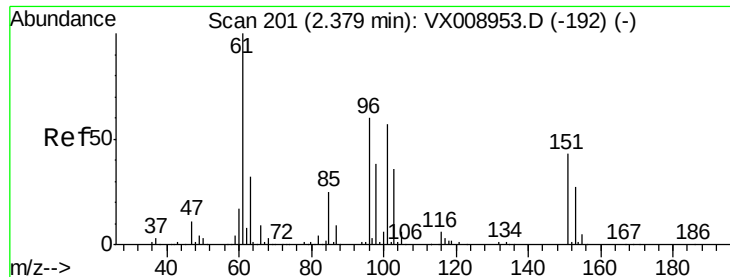


#8

Diethyl Ether
 Concen: 18.753 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX009192.D
 Acq: 26 Apr 2019 16:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.8	54.9	164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.008 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Instrument :

MSVOA_X

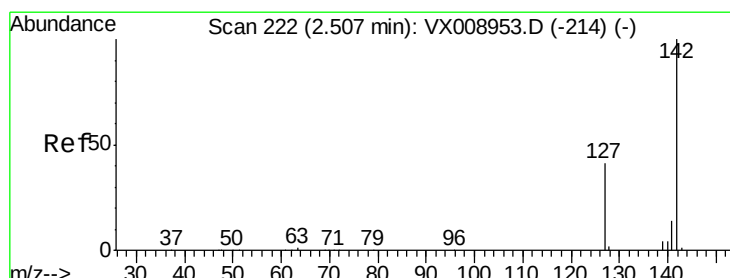
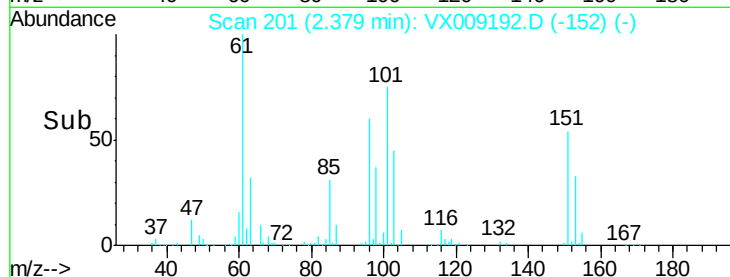
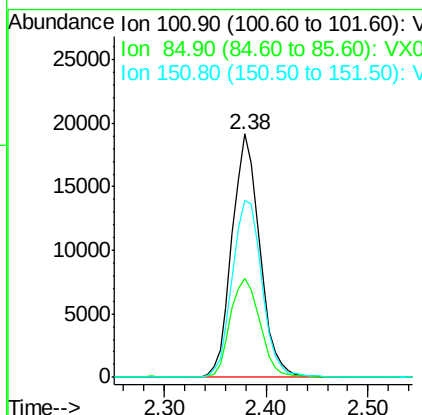
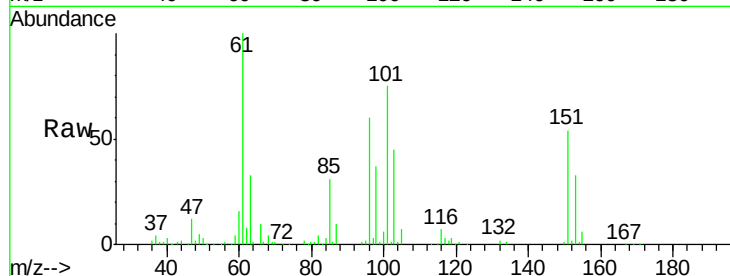
ClientSampleId :

VX0426WBSD01

Tot Ion:	101	Resp:	36077
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.7	53.5
151	78.5	62.7	94.1

Manual Integrations
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4/29/2019 11:25:35 AM



#10

Methyl Iodide

Concen: 12.869 ug/l

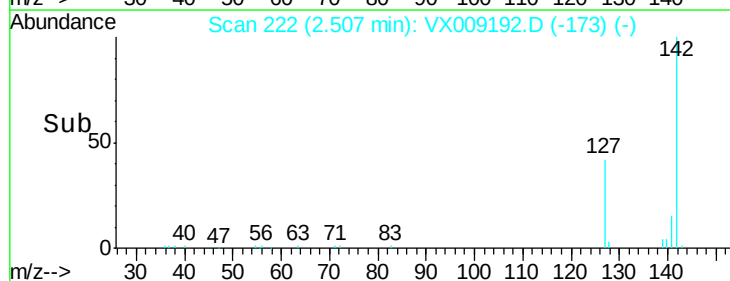
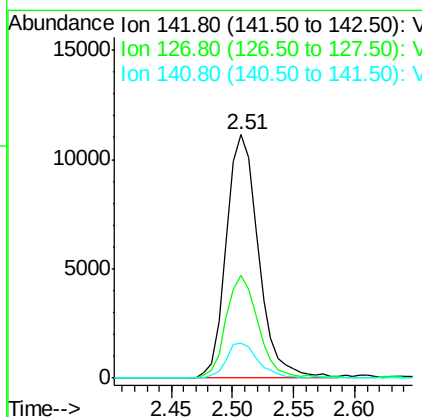
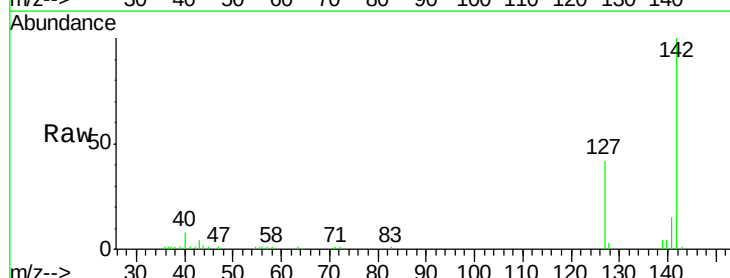
RT: 2.51 min Scan# 222

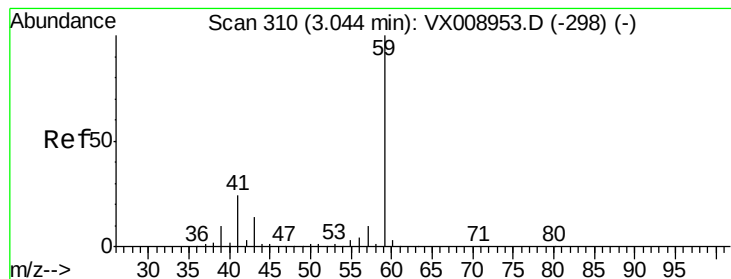
Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Tgt Ion:	142	Resp:	20312
Ion Ratio	Lower	Upper	
142	100		
127	42.1	32.8	49.2
141	14.3	11.4	17.2





#11

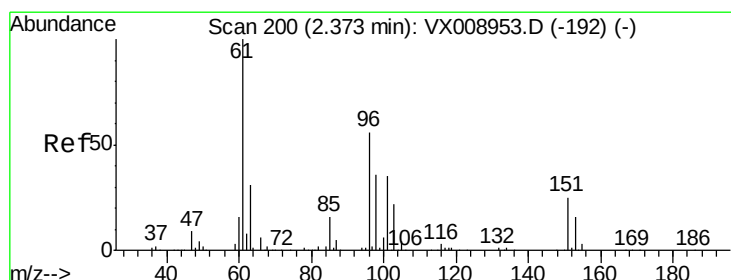
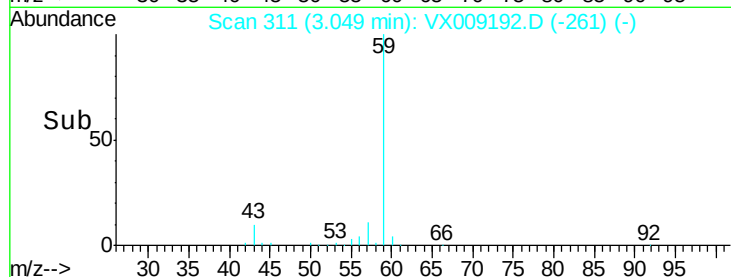
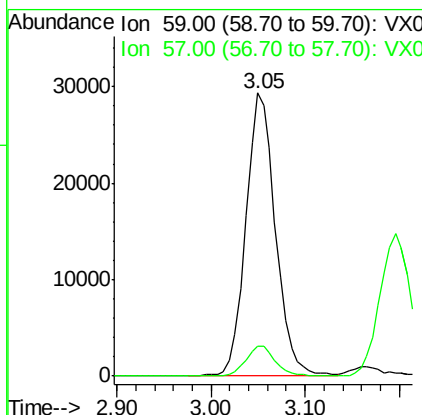
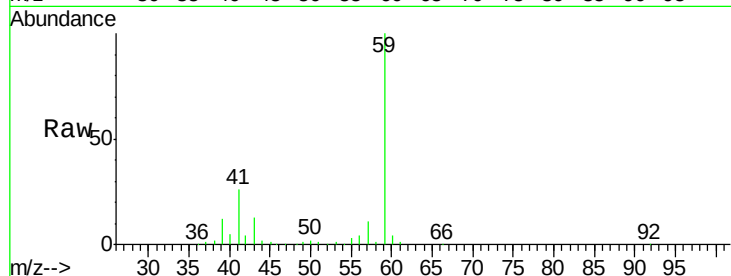
Tert butyl alcohol
 Concen: 106.483 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.01 min
 Lab File: VX009192.D
 Acq: 26 Apr 2019 16:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBSD01

Tot Ion: 59 Resp: 64954
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.4 12.6

Manual Integrations
 APPROVED

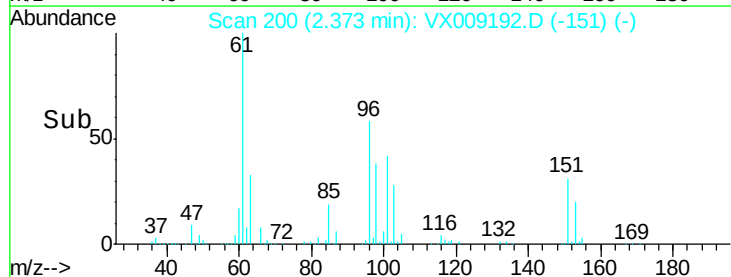
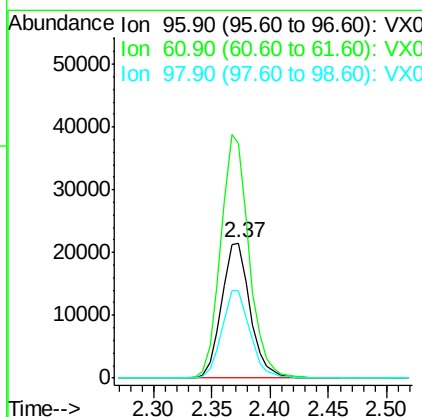
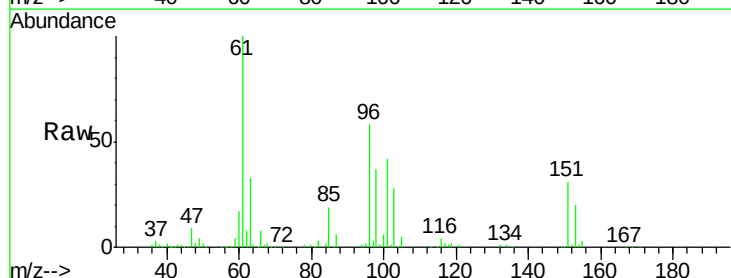
MMDadoda
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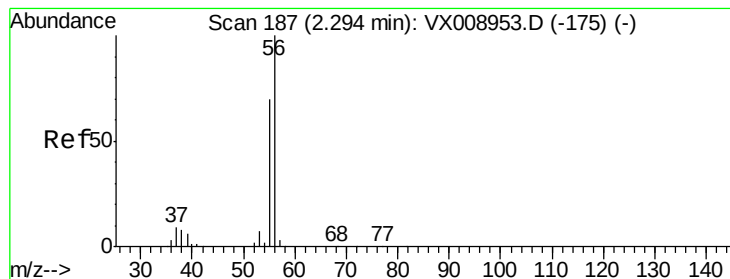


#12

1,1-Dichloroethene
 Concen: 17.469 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX009192.D
 Acq: 26 Apr 2019 16:10

Tgt Ion: 96 Resp: 36530
 Ion Ratio Lower Upper
 96 100
 61 173.3 142.2 213.2
 98 65.0 50.9 76.3





#13

Acrolein

Concen: 97.864 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBSD01

Tot Ion: 56 Resp: 51580

Ion Ratio Lower Upper

56 100

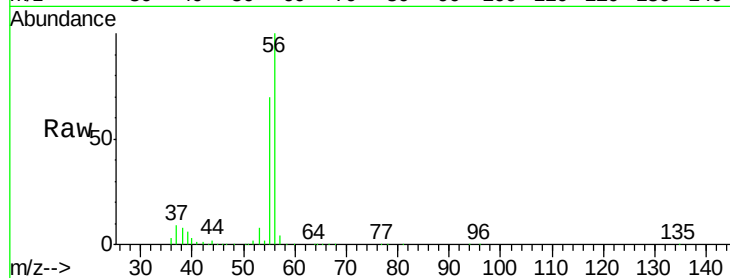
55 71.7 56.6 84.8

Manual Integrations

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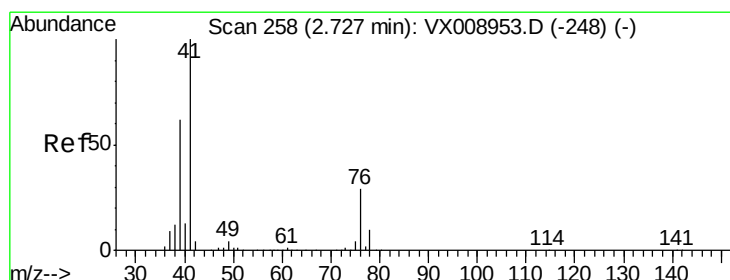
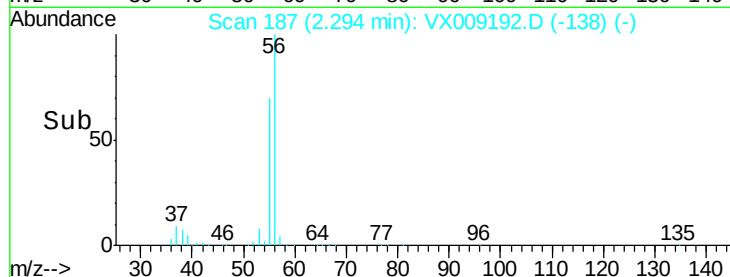
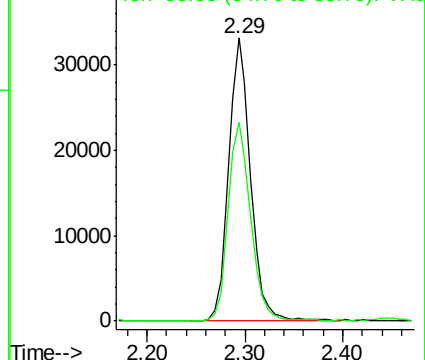
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4/29/2019 11:25:35 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.888 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

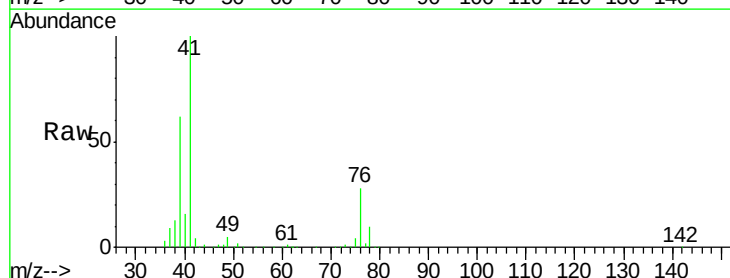
Tgt Ion: 41 Resp: 86171

Ion Ratio Lower Upper

41 100

39 59.2 46.7 70.1

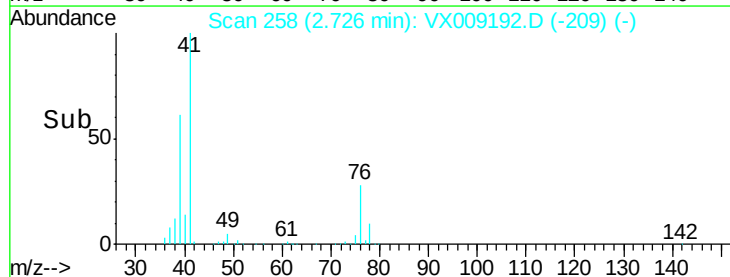
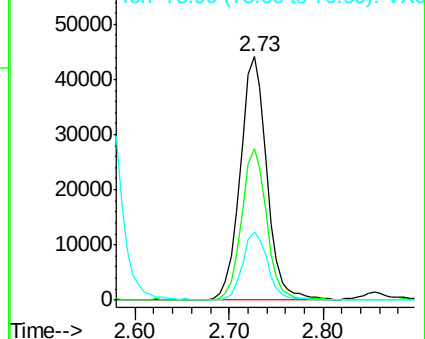
76 26.6 22.0 33.0

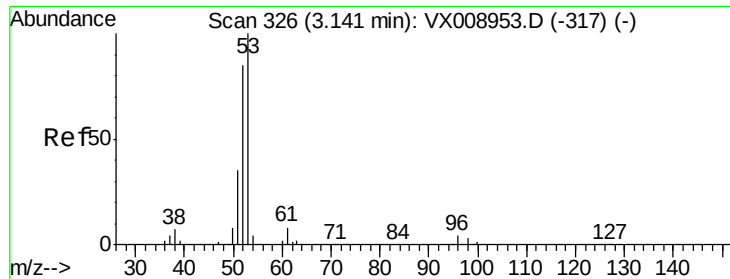


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 98.904 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Instrument :

MSVOA_X

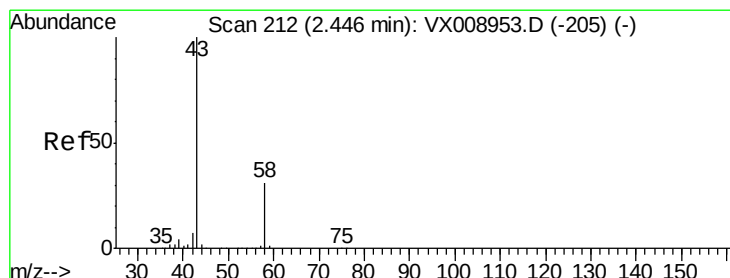
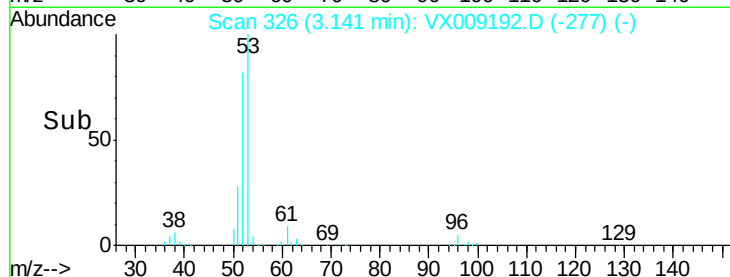
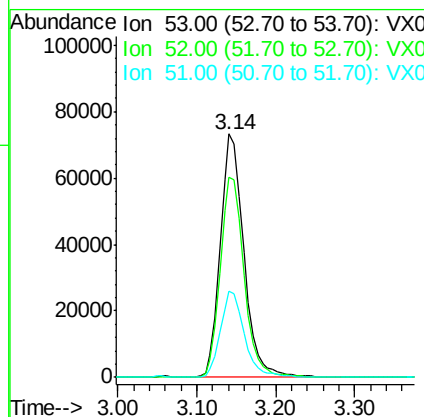
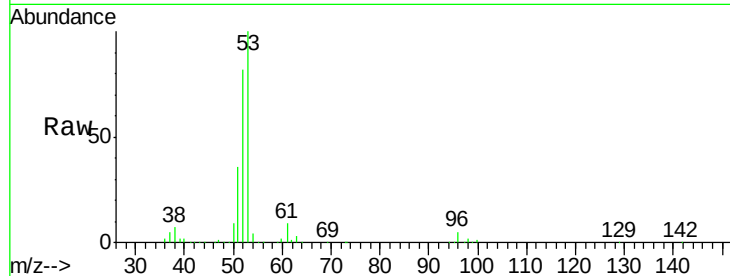
ClientSampleId :

VX0426WBSD01

Tot Ion:	53	Resp:	153149
Ion Ratio		Lower	Upper
53	100		
52	83.2	66.6	100.0
51	35.7	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 106.197 ug/l

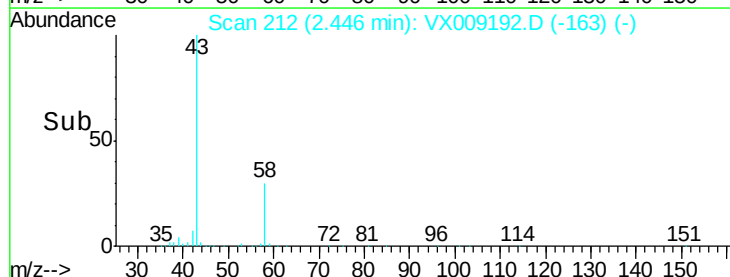
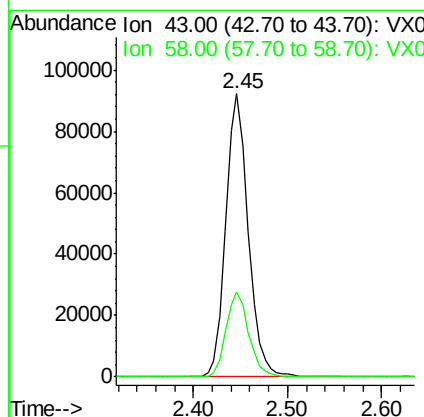
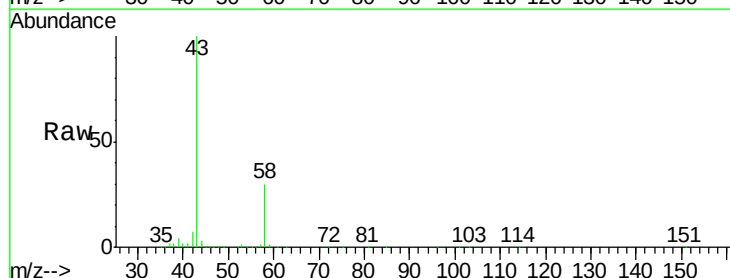
RT: 2.45 min Scan# 212

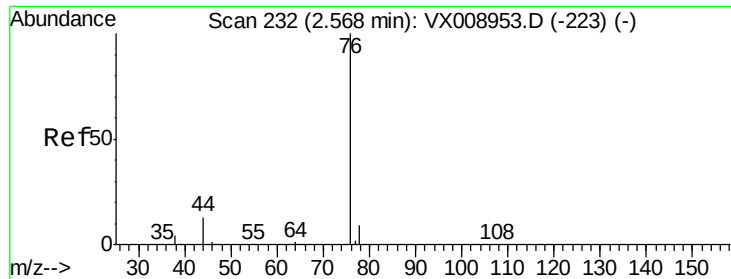
Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Tgt Ion:	43	Resp:	151339
Ion Ratio		Lower	Upper
43	100		
58	29.9	24.8	37.2





#17

Carbon Disulfide

Concen: 17.292 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBSD01

Tot Ion: 76 Resp: 101090

Ion Ratio Lower Upper

76 100

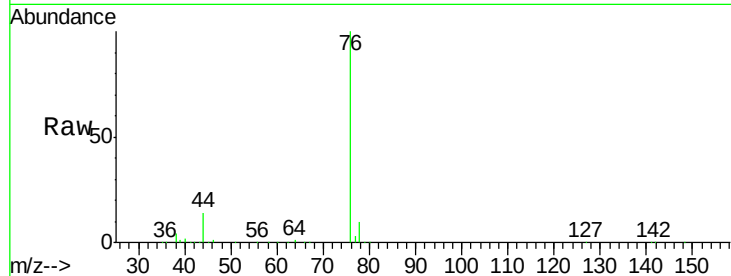
78 9.4 7.2 10.8

Manual Integrations

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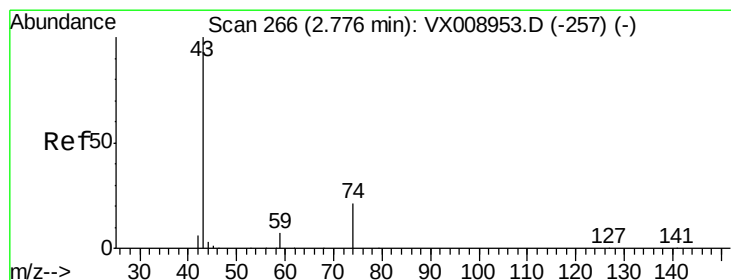
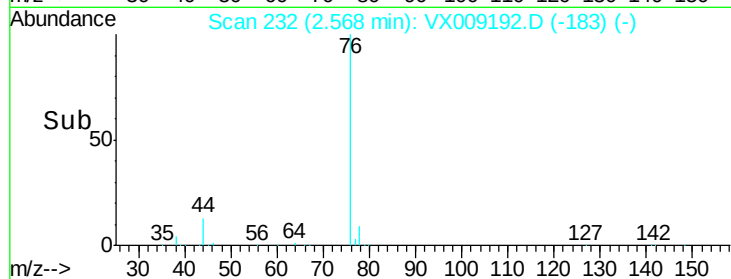
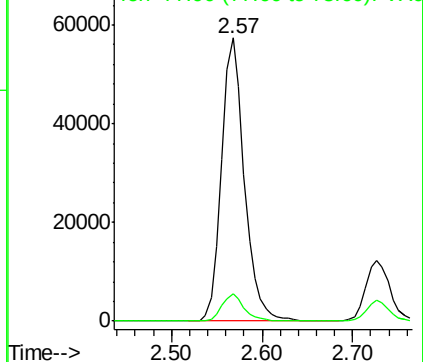
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.116 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009192.D

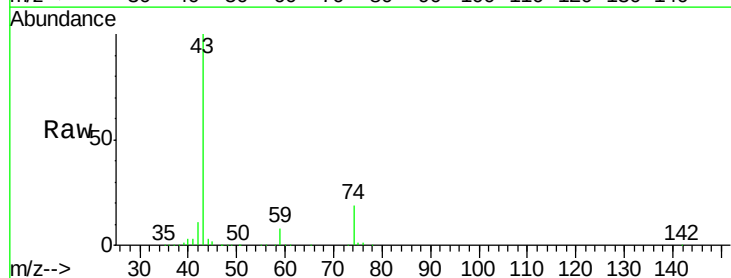
Acq: 26 Apr 2019 16:10

Tgt Ion: 43 Resp: 71546

Ion Ratio Lower Upper

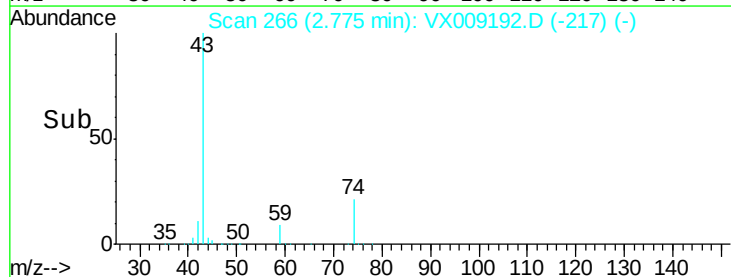
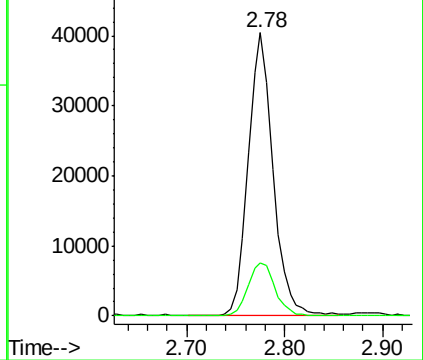
43 100

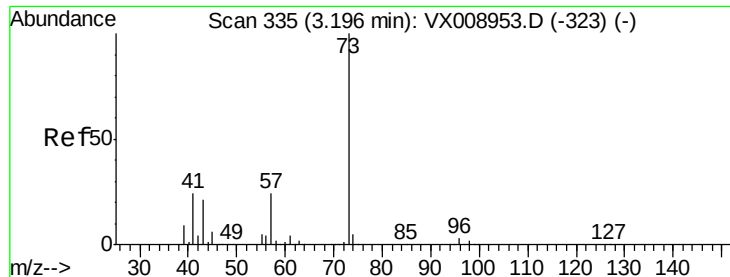
74 20.4 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





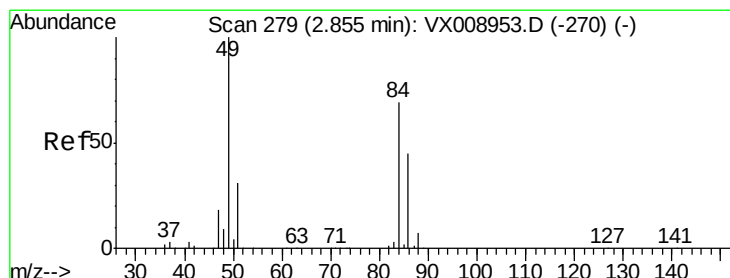
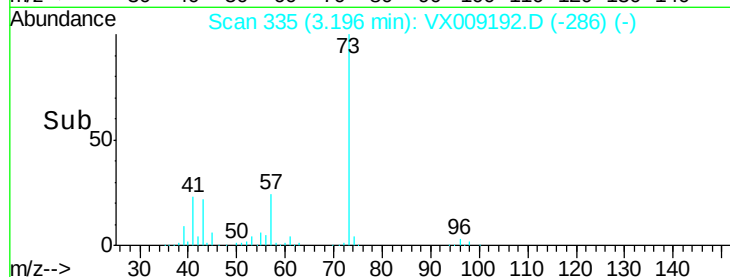
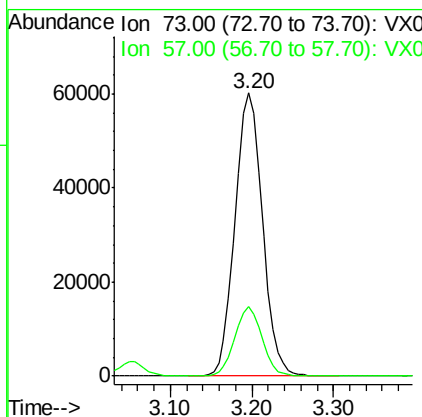
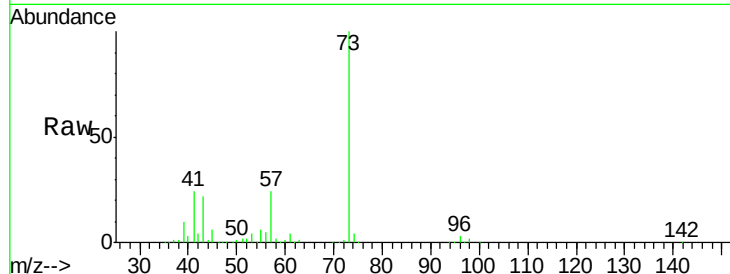
#19
Methyl tert-butyl Ether
Concen: 18.879 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009192.D
Acq: 26 Apr 2019 16:10

Instrument :
MSVOA_X
ClientSampled :
VX0426WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.5	19.2	28.8

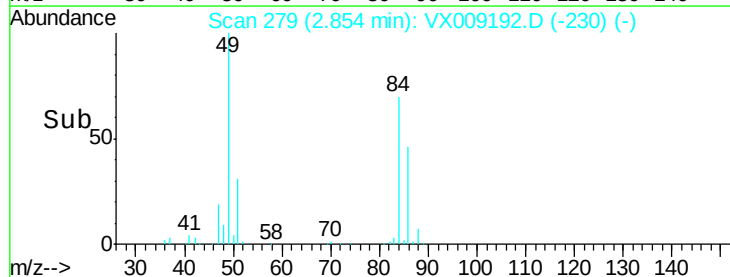
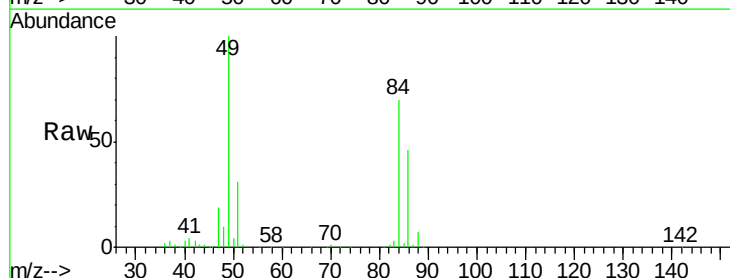
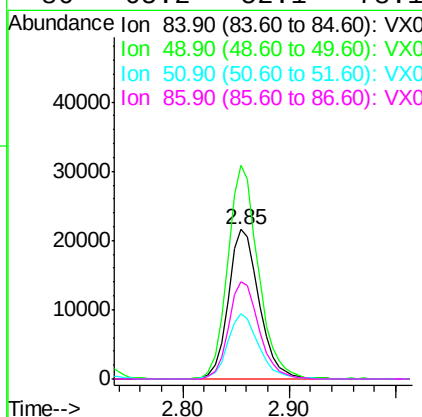
Manual Integrations
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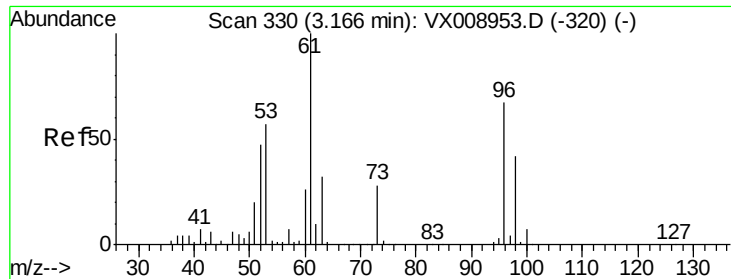
MMDadoda
4/29/2019 11:25:35 AM



#20
Methylene Chloride
Concen: 18.023 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009192.D
Acq: 26 Apr 2019 16:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.8	115.4	173.0
51	43.3	35.8	53.6
86	65.2	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 17.017 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBSD01

Tot Ion: 96 Resp: 37955

Ion Ratio Lower Upper

96 100

61 161.4 120.3 180.5

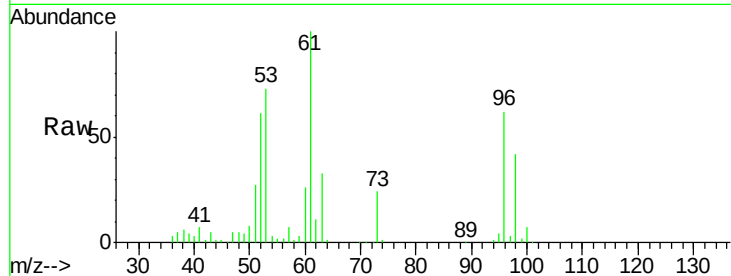
98 68.2 50.2 75.2

Manual Integrations

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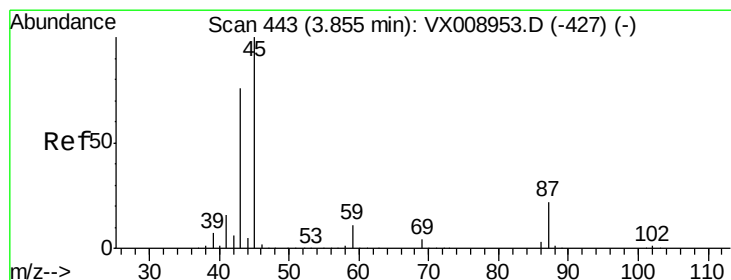
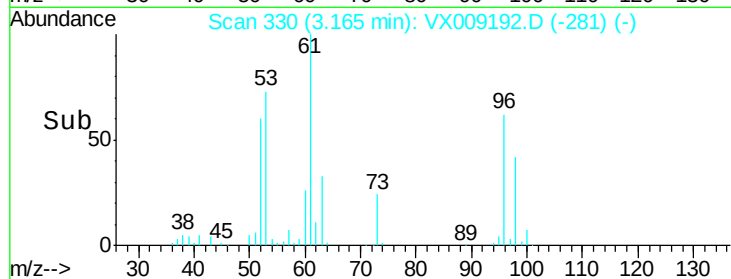
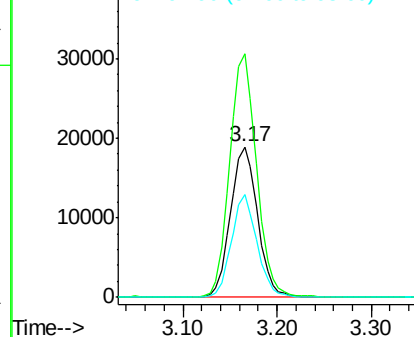


Abundance

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: 19.356 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Tgt Ion: 45 Resp: 171590

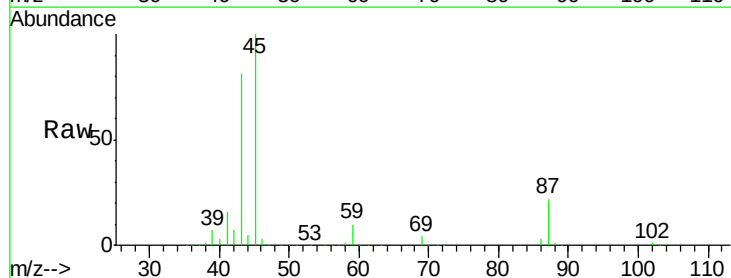
Ion Ratio Lower Upper

45 100

43 81.0 60.6 91.0

87 21.6 17.8 26.8

59 9.9 8.7 13.1



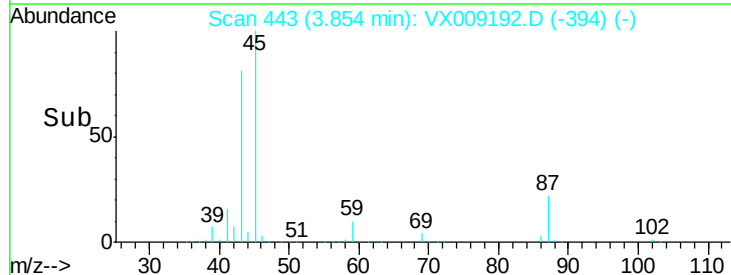
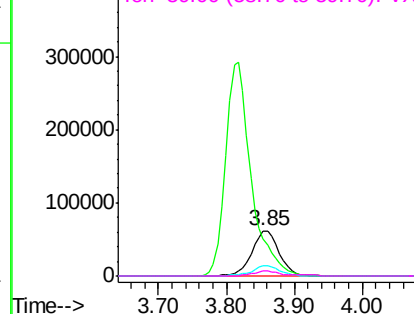
Abundance

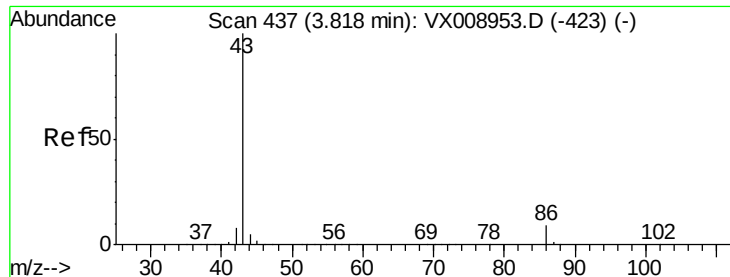
Ion 45.00 (44.70 to 45.70): VX0

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: 97.697 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBSD01

Tot Ion: 43 Resp: 761323

Ion Ratio Lower Upper

43 100

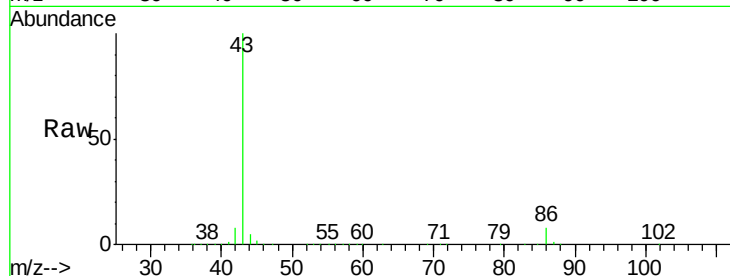
86 8.4 7.1 10.7

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

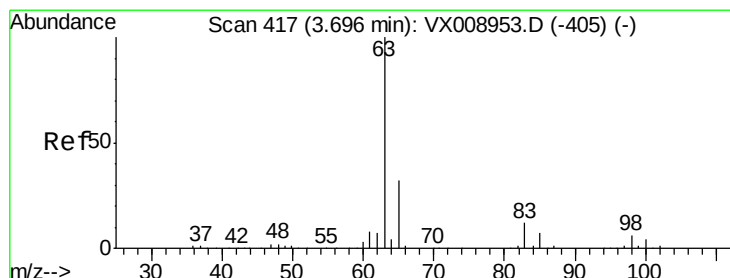
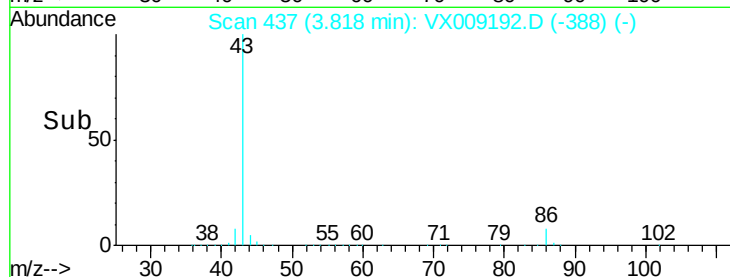
200000

100000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 18.277 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

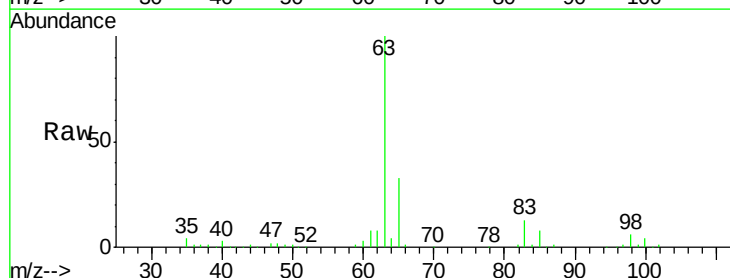
Tgt Ion: 63 Resp: 81335

Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.3

100 4.0 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

40000

30000

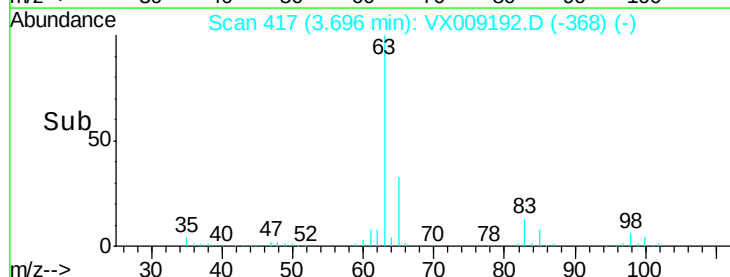
20000

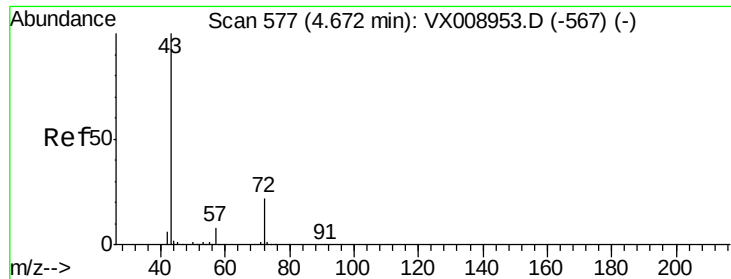
10000

0

3.60 3.70 3.80 3.90

Time-->





#25

2-Butanone

Concen: 104.748 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBSD01

Tot Ion: 43 Resp: 238605

Ion Ratio Lower Upper

43 100

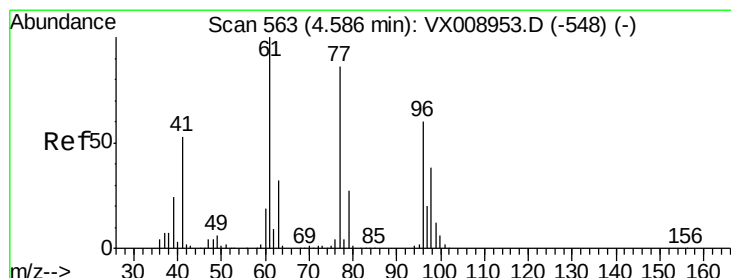
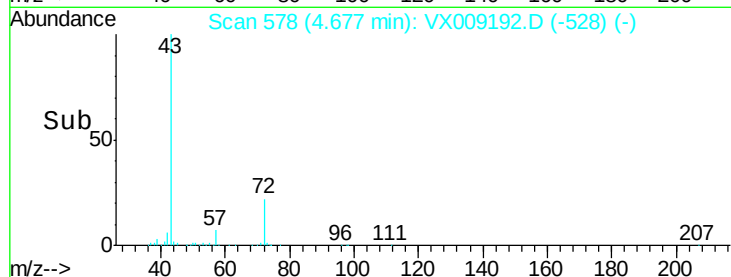
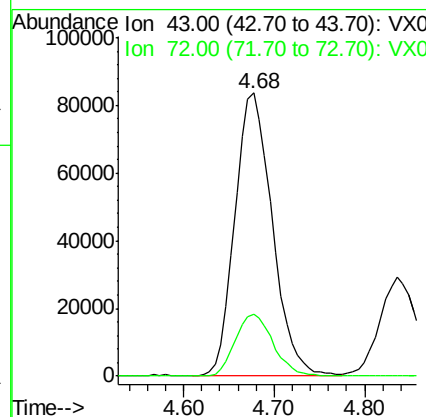
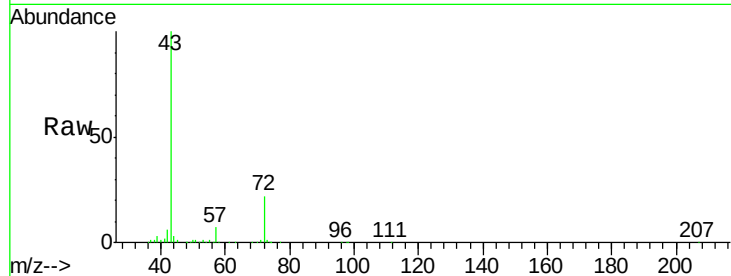
72 21.8 17.5 26.3

Manual Integrations

APPROVED

MMDadoda

4/29/2019 11:25:35 AM



#26

2,2-Dichloropropane

Concen: 18.114 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX009192.D

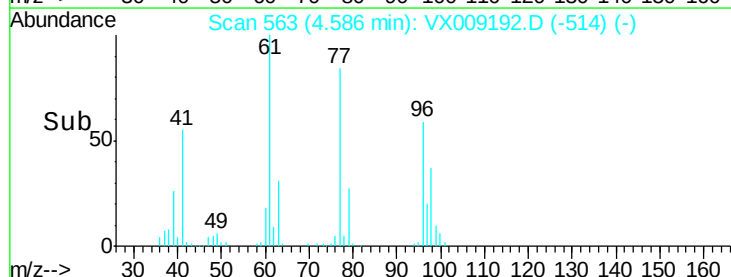
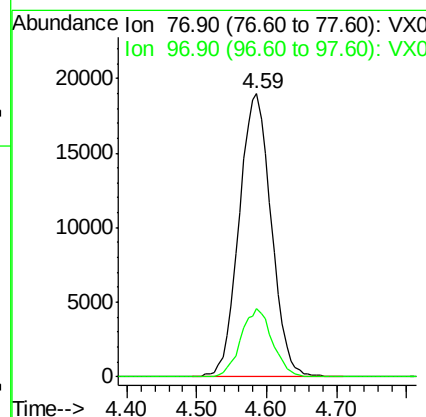
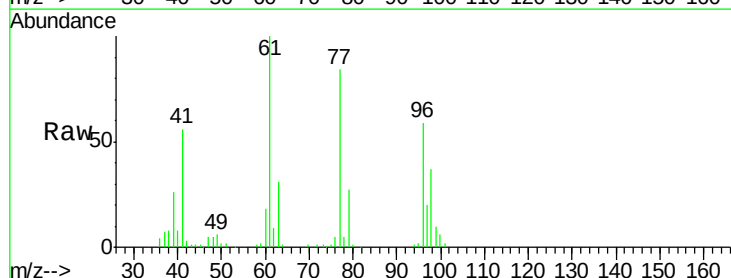
Acq: 26 Apr 2019 16:10

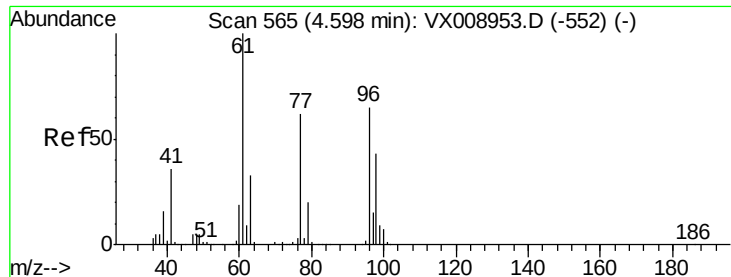
Tgt Ion: 77 Resp: 60423

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.0





#27

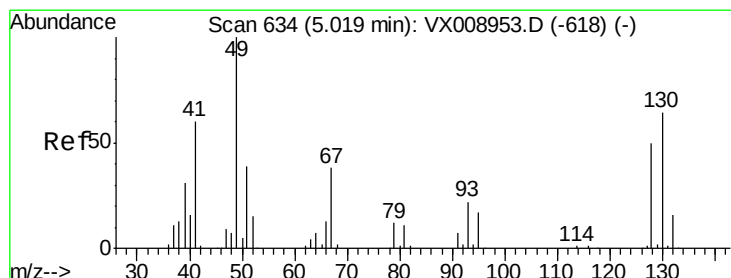
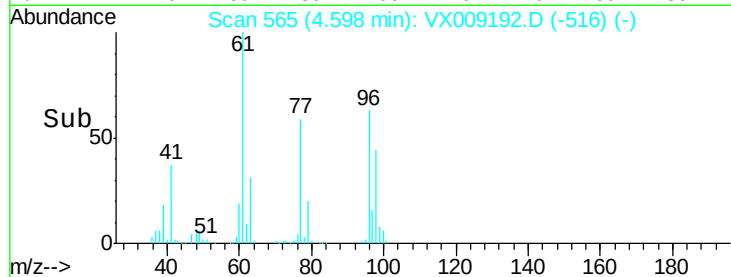
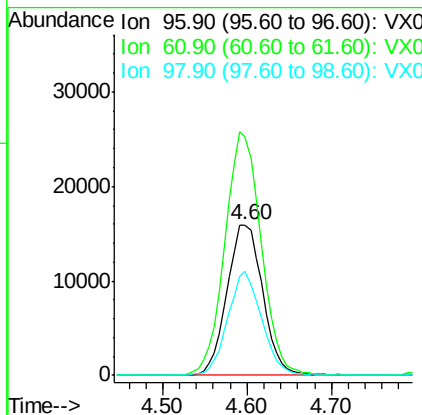
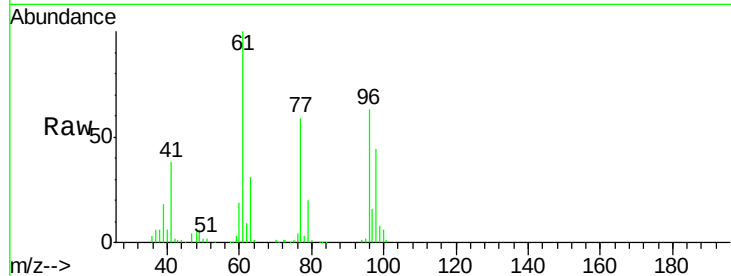
cis-1,2-Dichloroethene
 Concen: 18.095 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX009192.D
 Acq: 26 Apr 2019 16:10

Instrument :
 MSVOA_X
 ClientSampled :
 VX0426WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.0	0.0	322.0
98	65.2	0.0	128.4

Manual Integrations
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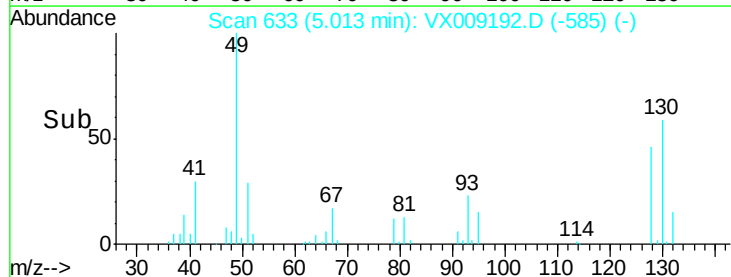
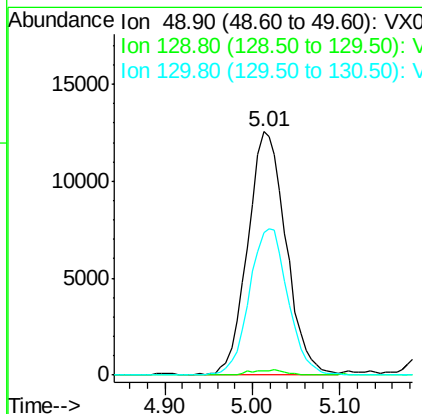
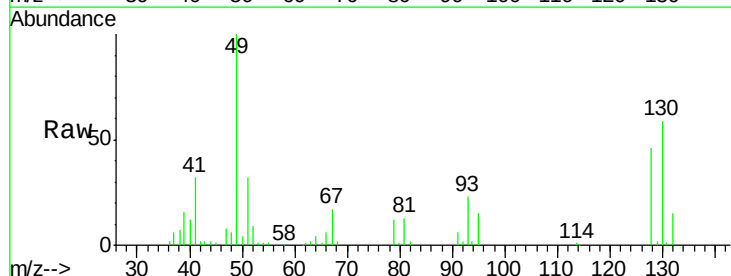
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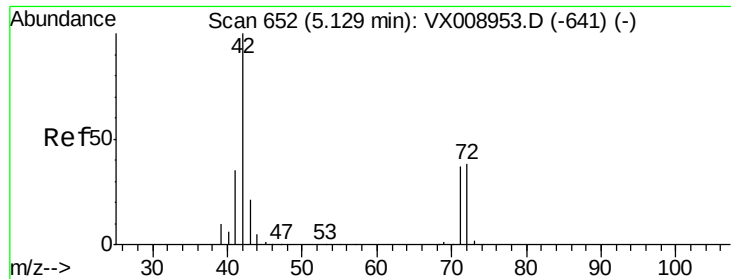


#28

Bromochloromethane
 Concen: 19.551 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX009192.D
 Acq: 26 Apr 2019 16:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	60.6	50.4	75.6





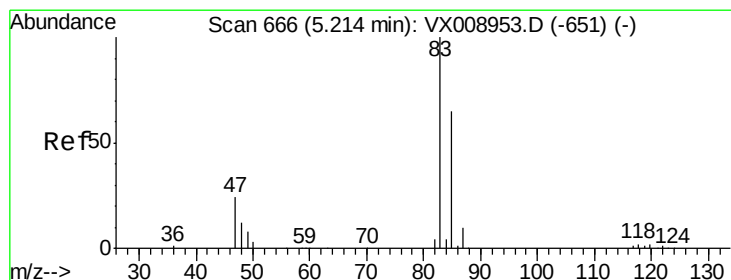
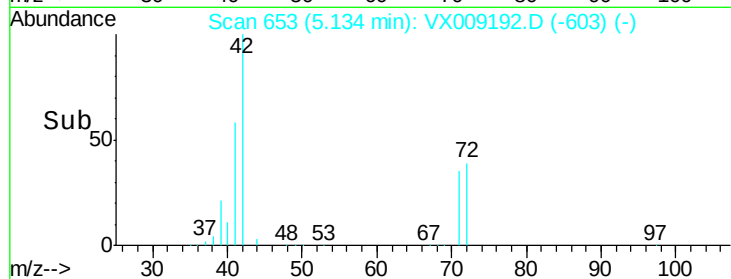
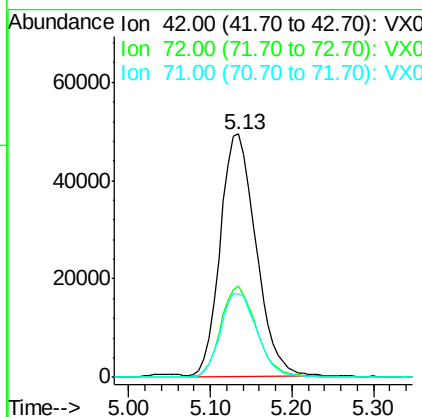
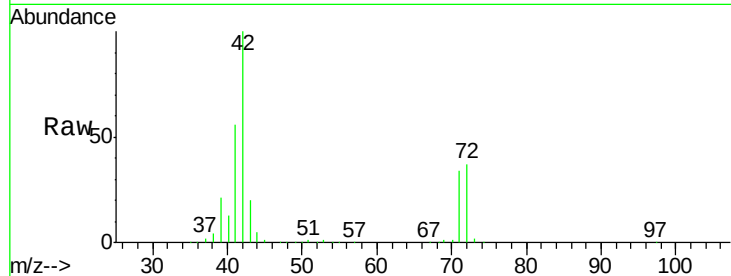
#29
Tetrahydrofuran
Concen: 98.655 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX009192.D
Acq: 26 Apr 2019 16:10

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	30.6	45.8
71	35.6	28.8	43.2

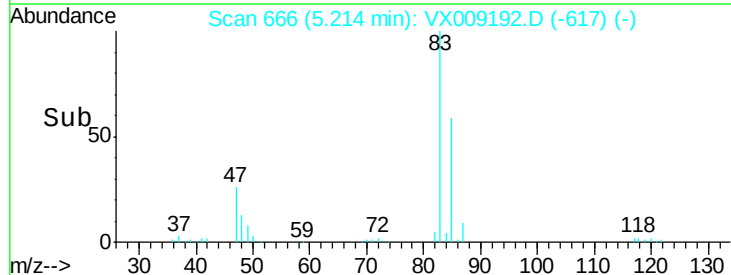
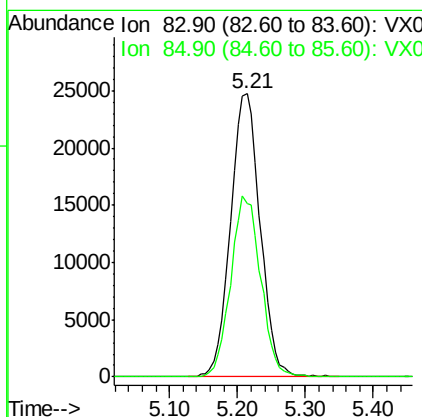
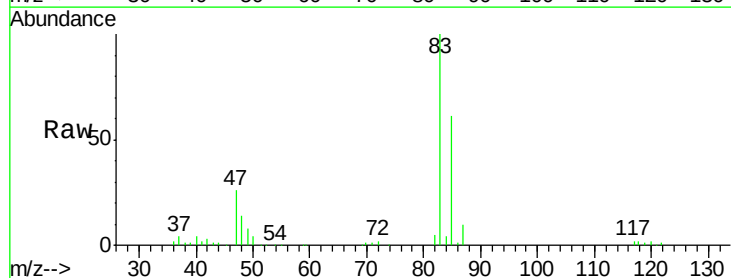
Manual Integrations
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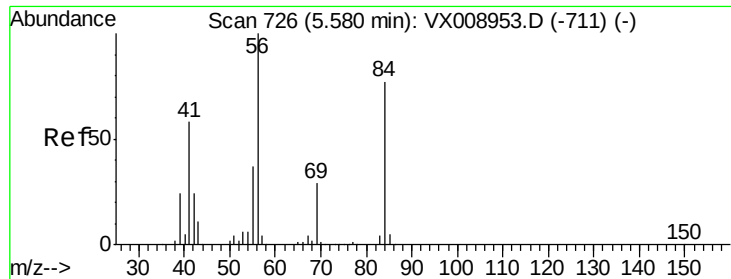
MMDadoda
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#30
Chloroform
Concen: 18.754 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX009192.D
Acq: 26 Apr 2019 16:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.9	77.9





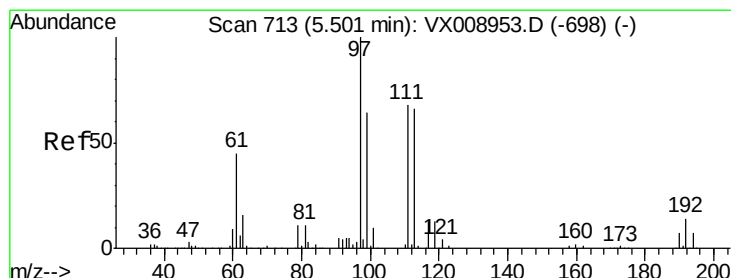
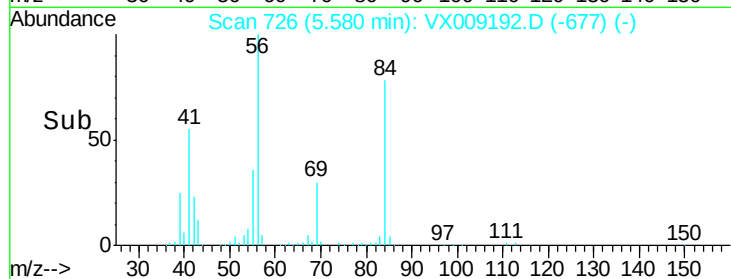
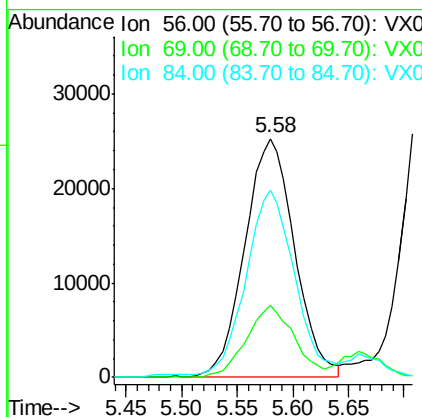
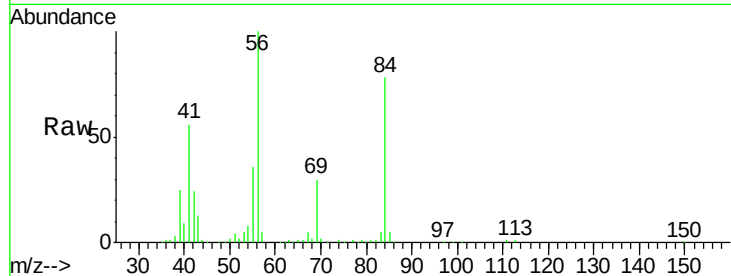
#31
Cyclohexane
Concen: 17.852 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009192.D
Acq: 26 Apr 2019 16:10

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.3	34.9
84	77.1	61.7	92.5

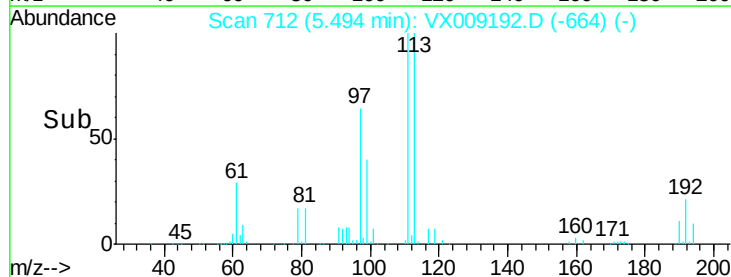
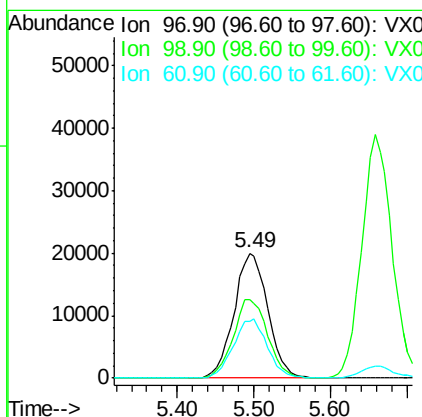
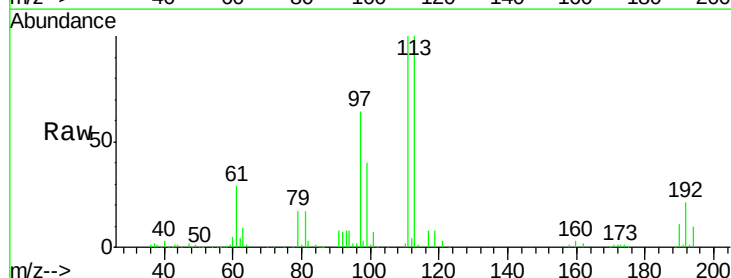
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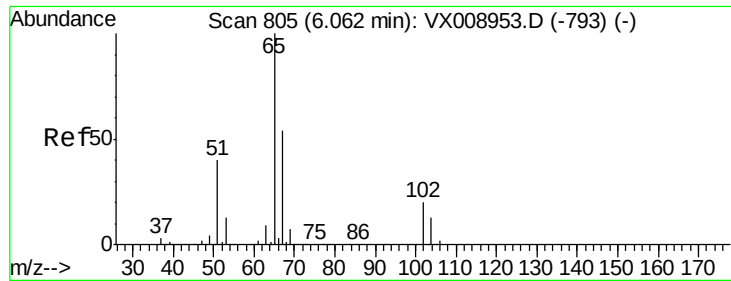
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#32
1,1,1-Trichloroethane
Concen: 18.540 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX009192.D
Acq: 26 Apr 2019 16:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	47.7	37.9	56.9





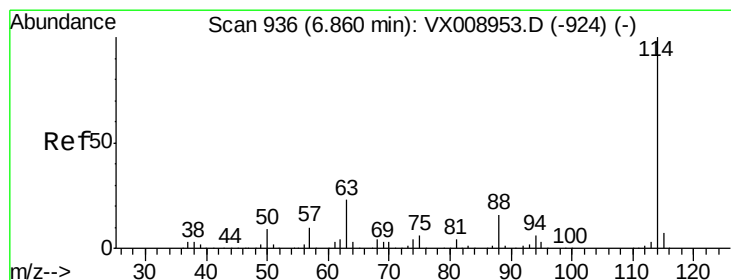
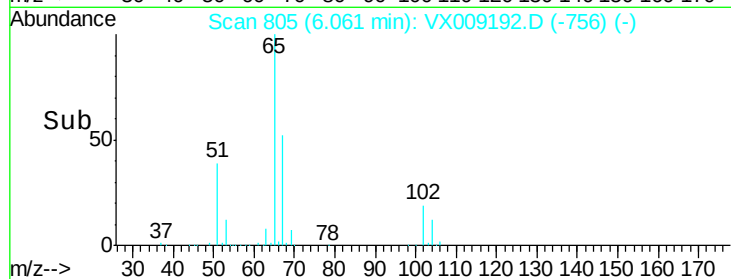
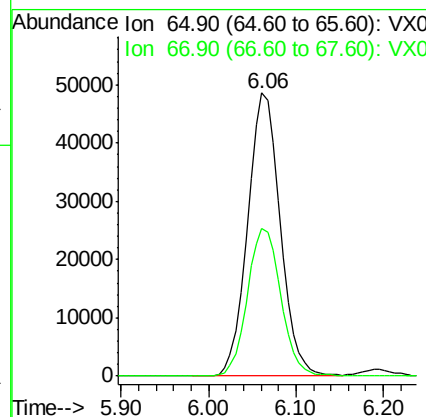
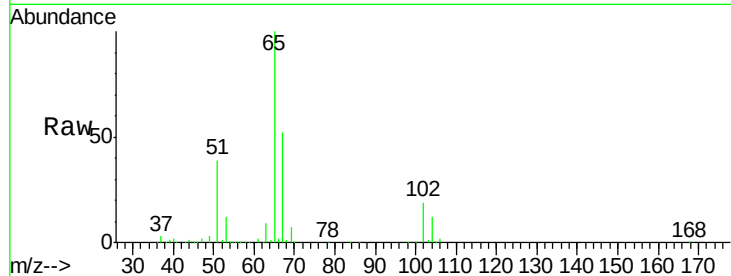
#33
 1,2-Dichloroethane-d4
 Concen: 45.822 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009192.D
 Acq: 26 Apr 2019 16:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	108.6

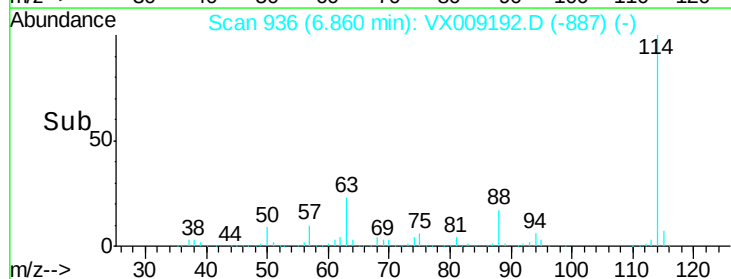
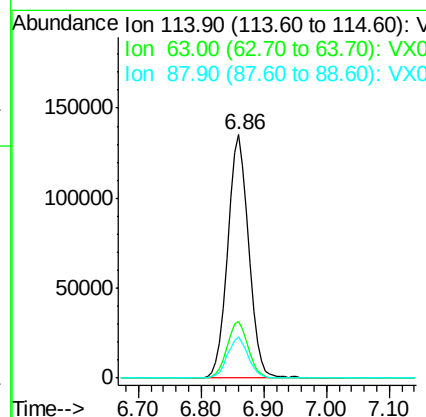
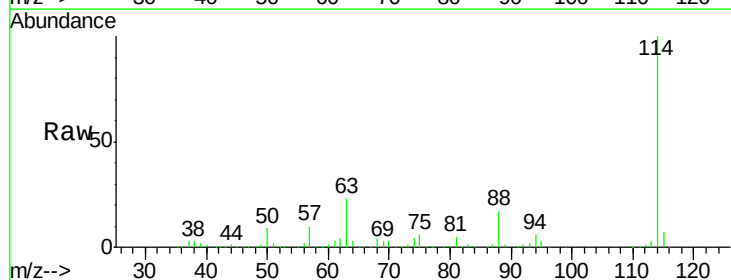
Manual Integrations
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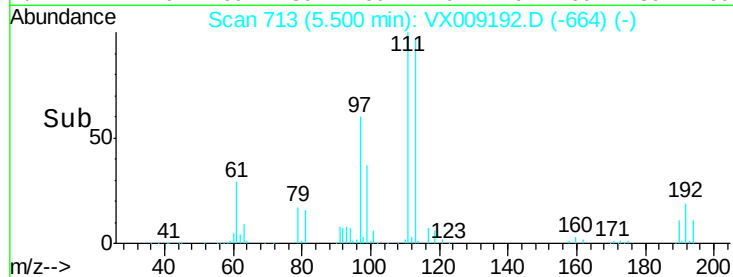
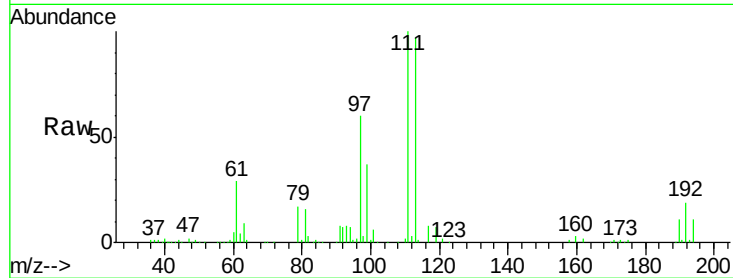
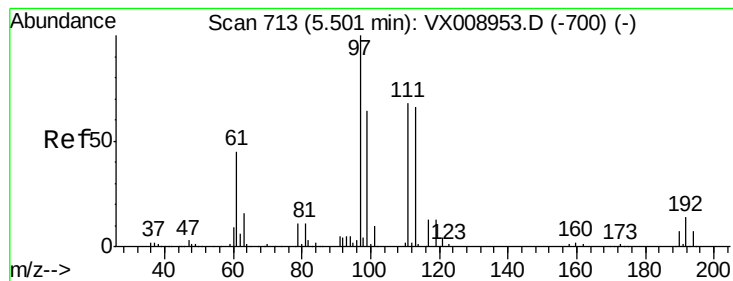
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009192.D
 Acq: 26 Apr 2019 16:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	46.0
88	16.9	0.0	32.6





#35

Dibromofluoromethane

Concen: 46.278 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009192.D

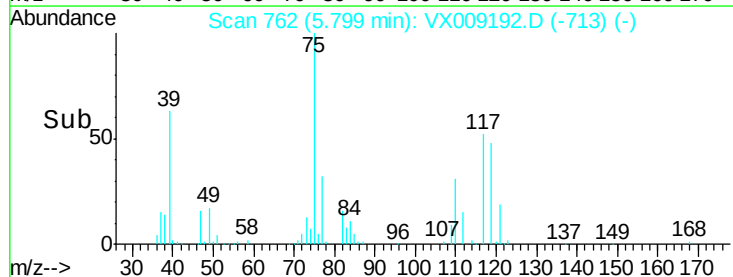
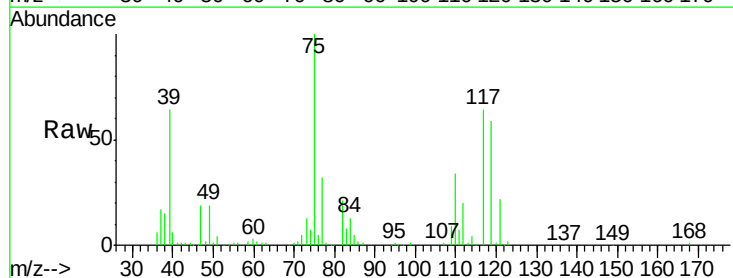
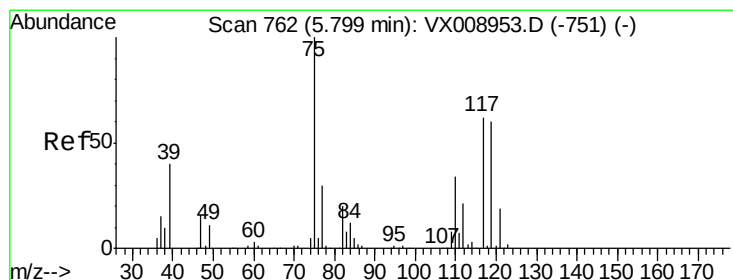
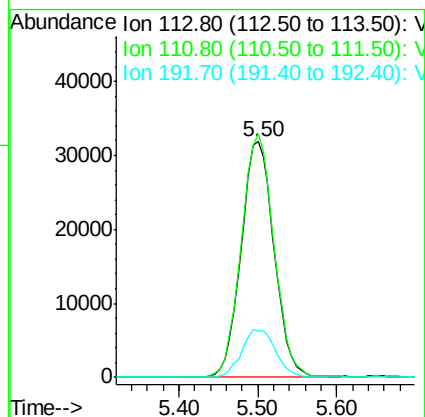
Acq: 26 Apr 2019 16:10

Tot Ion:	113	Resp:	92999
Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.9	124.3
192	20.8	17.4	26.0

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBSD01

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 17.073 ug/l

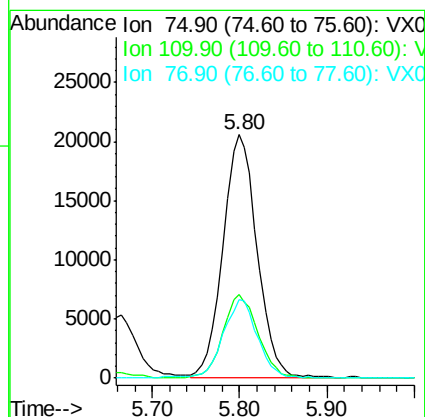
RT: 5.80 min Scan# 762

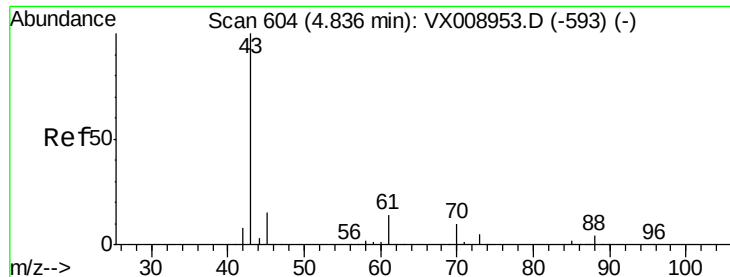
Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Tgt Ion:	75	Resp:	55289
Ion	Ratio	Lower	Upper
75	100		
110	35.3	16.9	50.7
77	32.8	25.0	37.4





#37

Ethyl Acetate

Concen: 20.434 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Instrument :

MSVOA_X

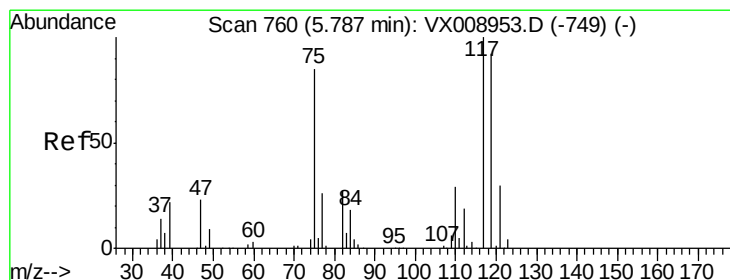
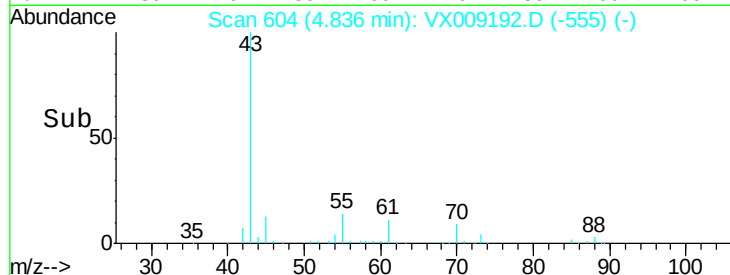
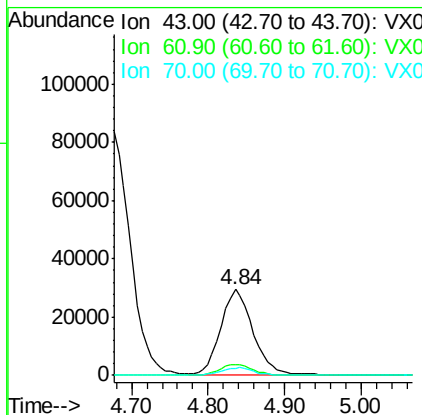
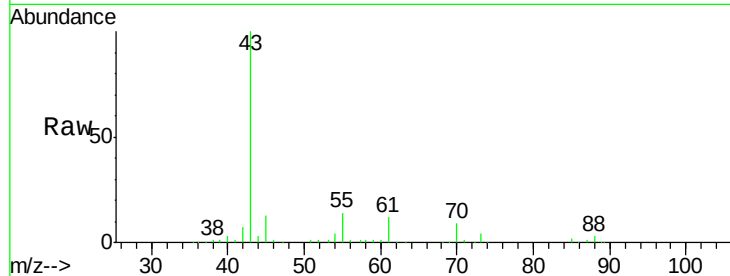
ClientSampleId :

VX0426WBSD01

Tot Ion:	43	Resp:	85151
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.6	15.8
70	9.6	7.7	11.5

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#38

Carbon Tetrachloride

Concen: 18.169 ug/l

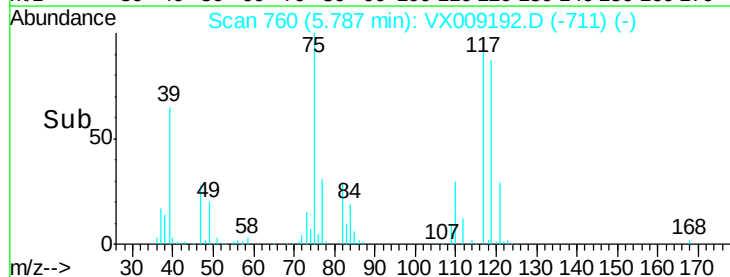
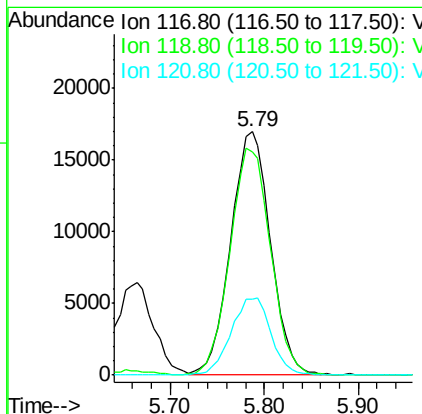
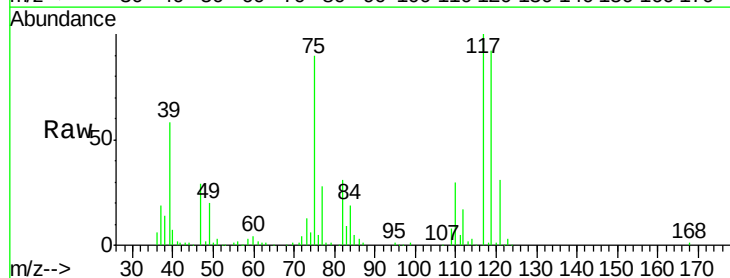
RT: 5.79 min Scan# 760

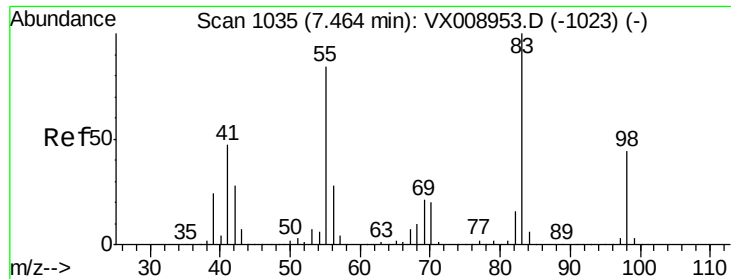
Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Tgt Ion:	117	Resp:	49883
Ion	Ratio	Lower	Upper
117	100		
119	91.8	73.8	110.8
121	31.2	23.6	35.4





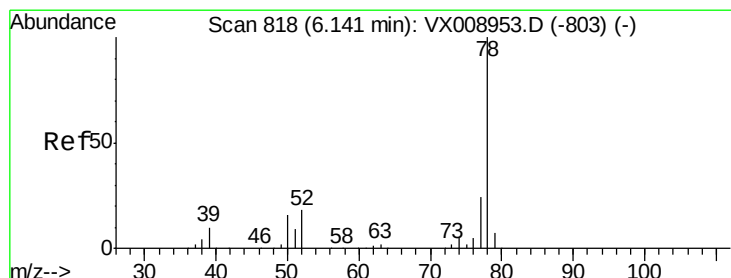
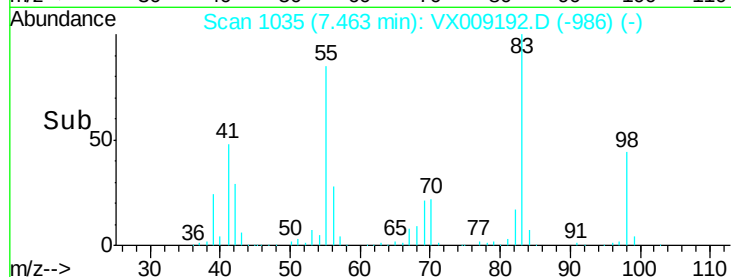
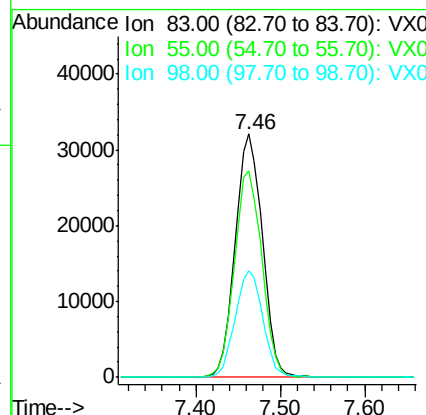
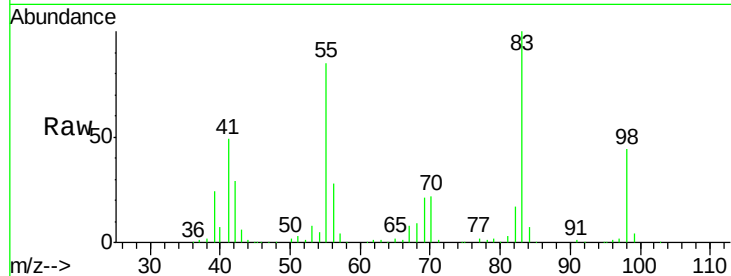
#39
Methylvlcyclohexane
Concen: 17.797 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009192.D
Acq: 26 Apr 2019 16:10

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBSD01

Tot Ion	83	Resp	70171
Ion	Ratio	Lower	Upper
83	100		
55	84.9	67.1	100.7
98	43.9	35.1	52.7

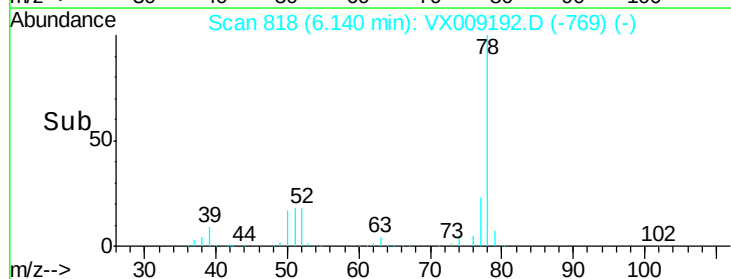
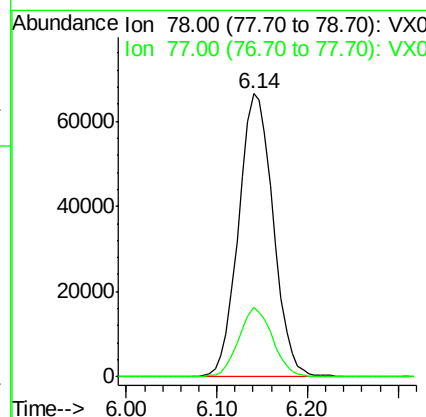
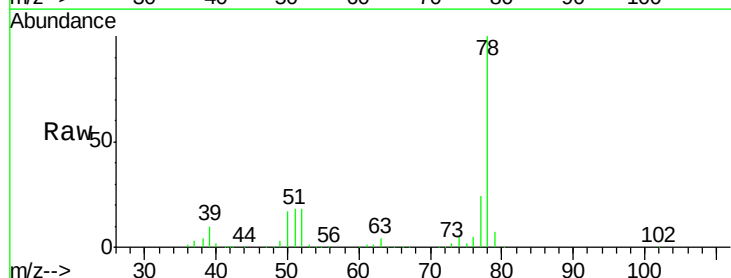
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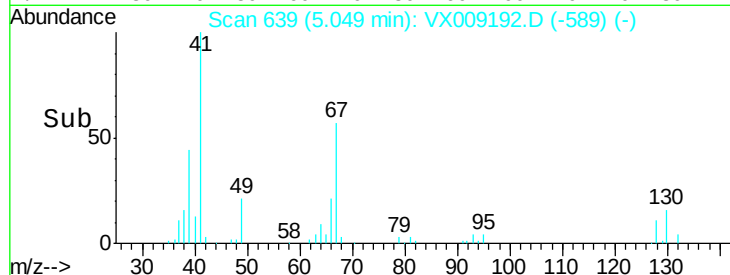
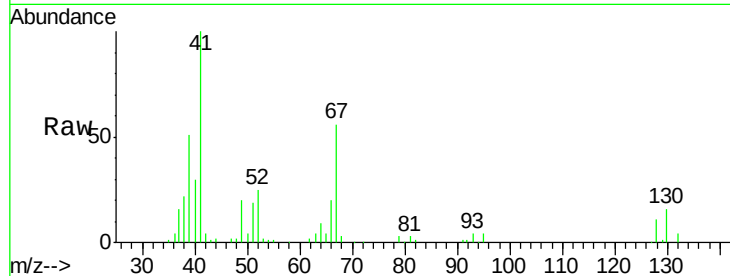
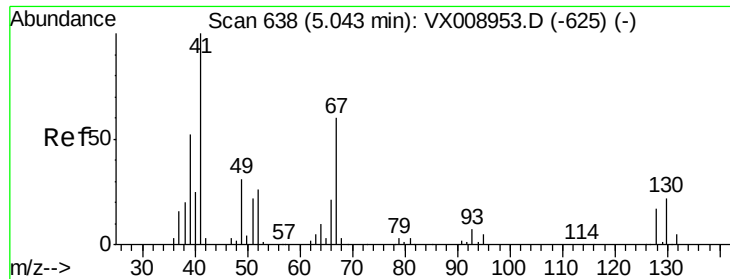
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#40
Benzene
Concen: 18.423 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009192.D
Acq: 26 Apr 2019 16:10

Tgt Ion	78	Resp	176010
Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.6





#41

Methacrylonitrile

Concen: 19.800 ug/l

RT: 5.05 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX009192.D

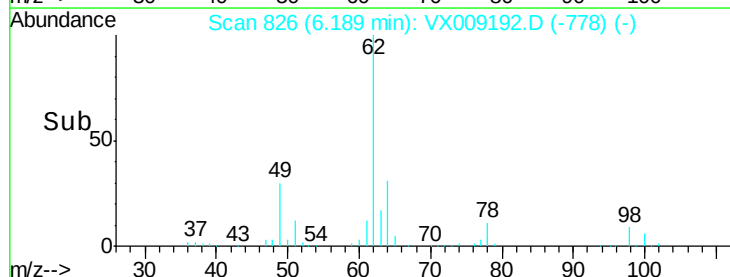
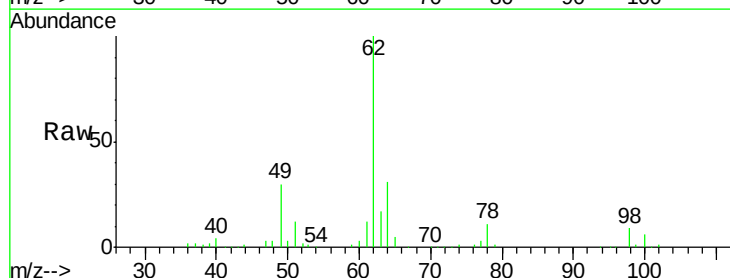
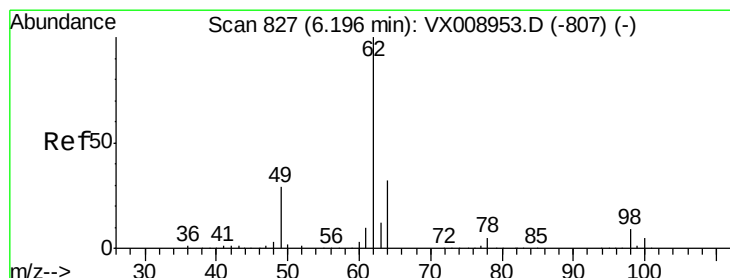
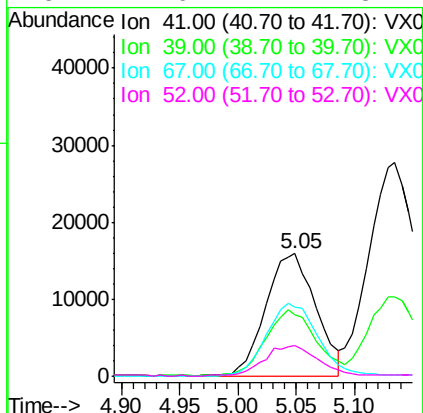
Acq: 26 Apr 2019 16:10

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.4	41.8	62.6	
67	62.4	50.2	75.4	
52	27.6	21.1	31.7	

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBSD01

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 18.878 ug/l

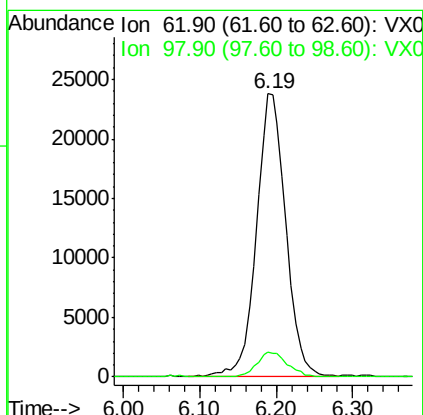
RT: 6.19 min Scan# 826

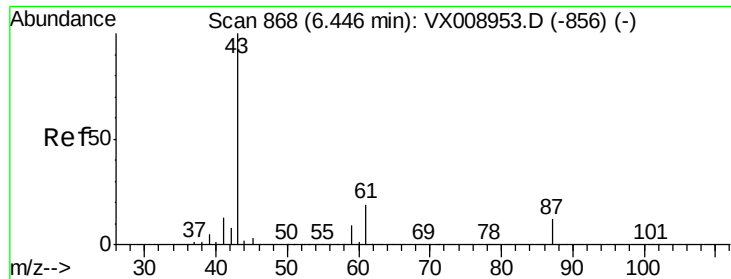
Delta R.T. -0.01 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	18.4	





#43

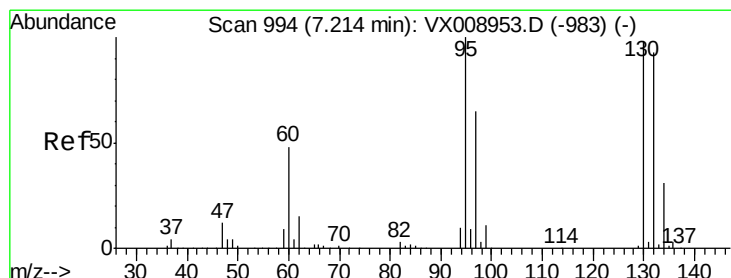
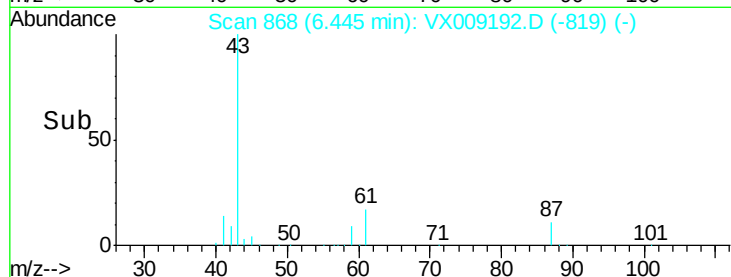
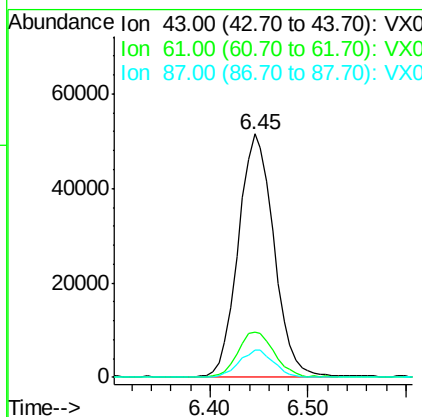
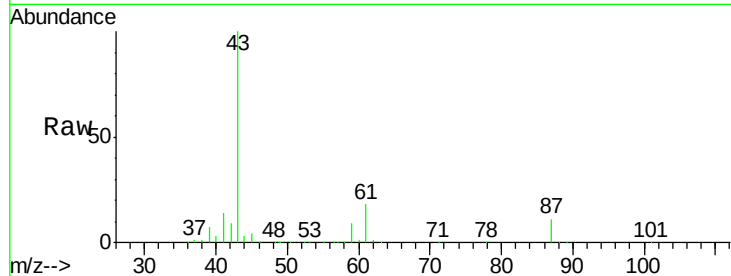
Isopropyl Acetate
 Concen: 19.358 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009192.D
 Acq: 26 Apr 2019 16:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.0
87	11.2	9.0	13.4

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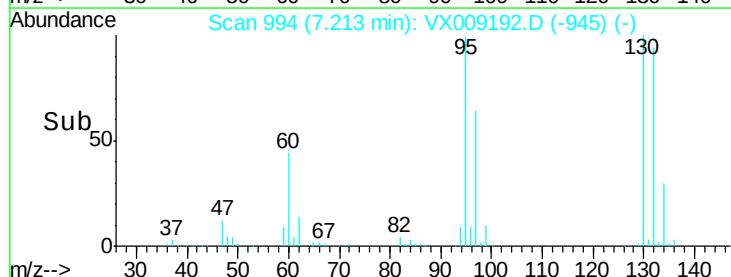
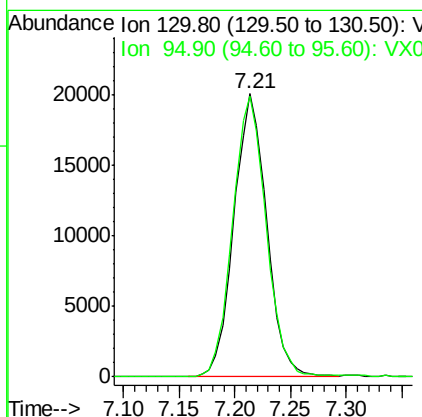
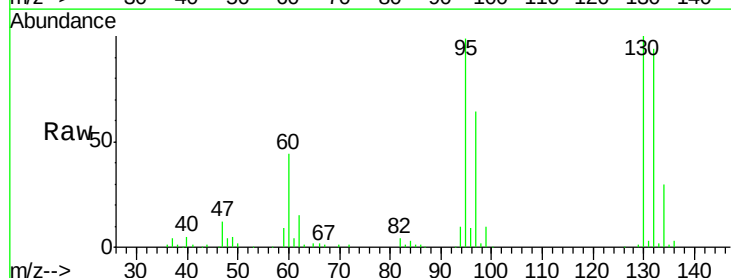
MMDadoda
 4/29/2019 11:25:35 AM

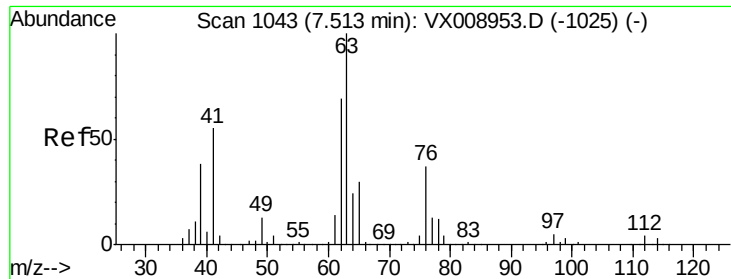


#44

Trichloroethene
 Concen: 17.532 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009192.D
 Acq: 26 Apr 2019 16:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	203.2





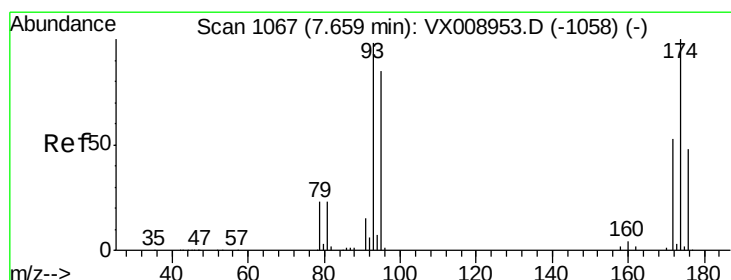
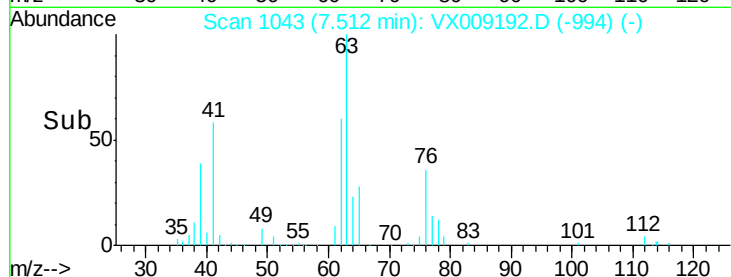
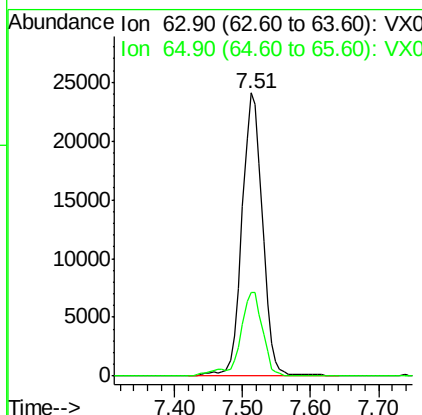
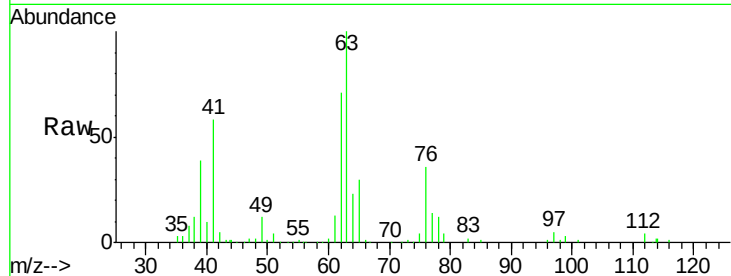
#45
 1,2-Dichloropropane
 Concen: 19.072 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009192.D
 Acq: 26 Apr 2019 16:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBSD01

Tot Ion: 63 Resp: 50548
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.1 36.1

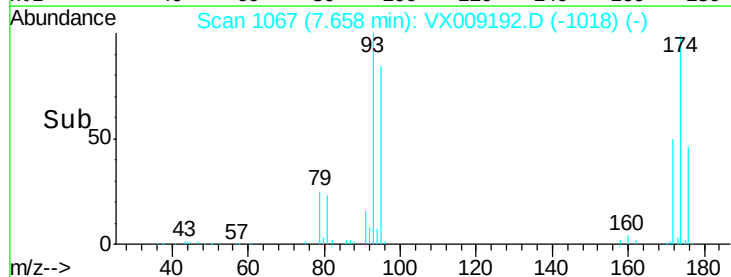
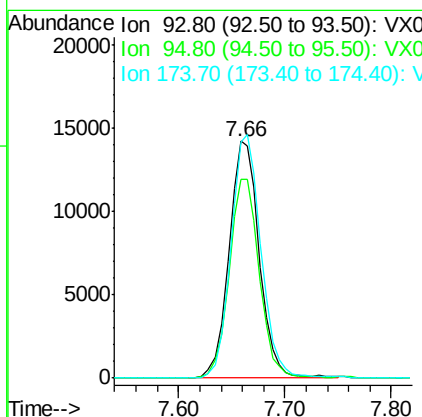
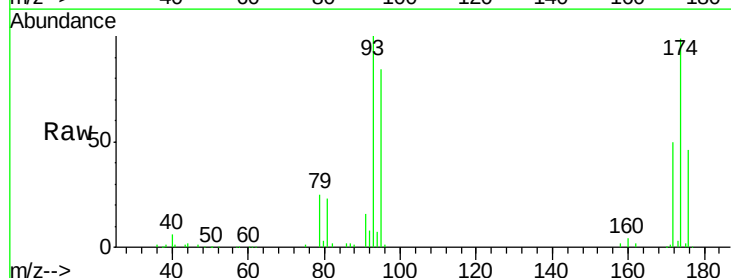
Manual Integrations
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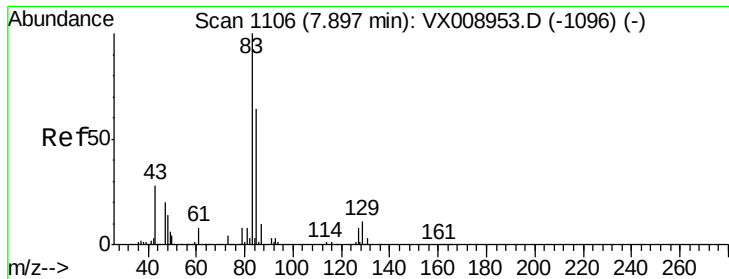
MMDadoda
 4/29/2019 11:25:35 AM



#46
 Dibromomethane
 Concen: 18.292 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009192.D
 Acq: 26 Apr 2019 16:10

Tgt Ion: 93 Resp: 28215
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.0 100.4
 174 102.1 81.6 122.4





#47

Bromodichloromethane

Concen: 18.564 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Instrument :

MSVOA_X

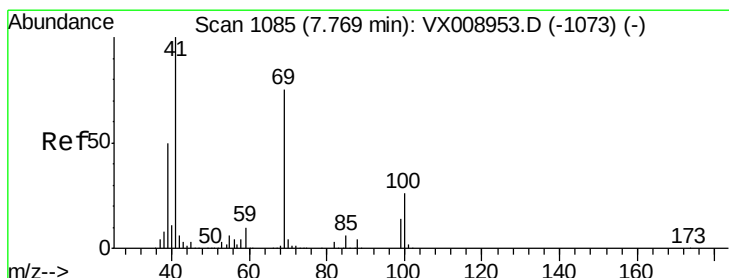
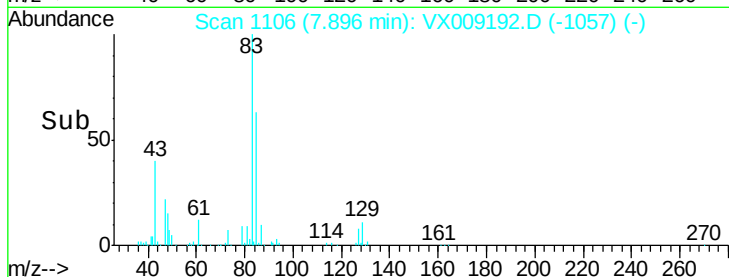
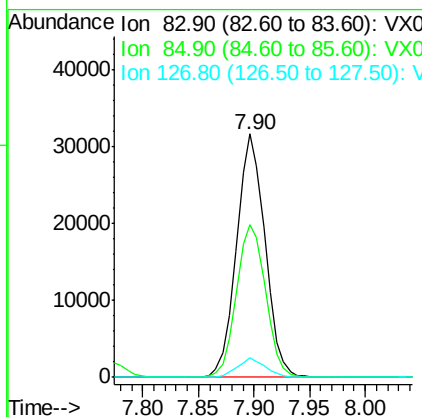
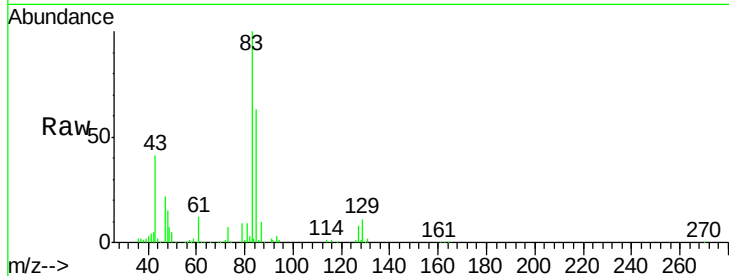
ClientSampleId :

VX0426WBSD01

Tot Ion:	83	Resp:	56162
Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.8	76.2
127	7.9	6.4	9.6

Manual Integrations
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MMDadoda
4/29/2019 11:25:35 AM



#48

Methyl methacrylate

Concen: 19.520 ug/l

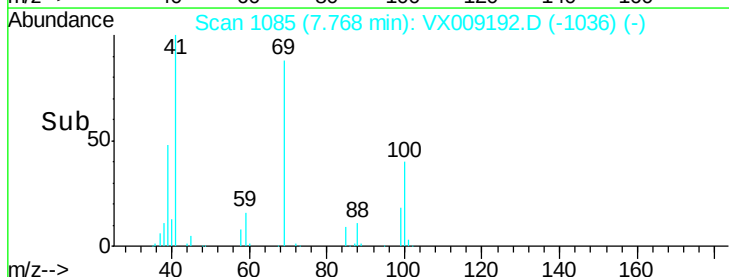
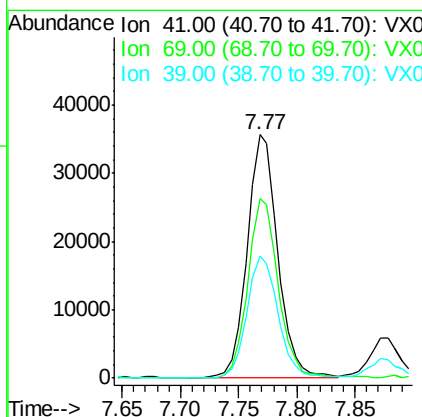
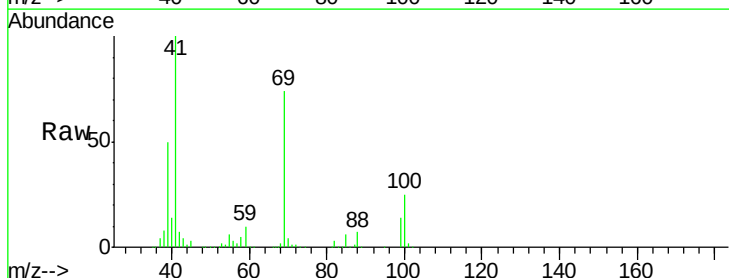
RT: 7.77 min Scan# 1085

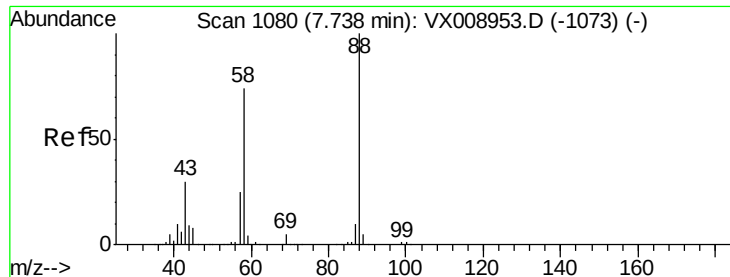
Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Tgt Ion:	41	Resp:	64768
Ion	Ratio	Lower	Upper
41	100		
69	74.6	59.4	89.2
39	51.0	39.8	59.6





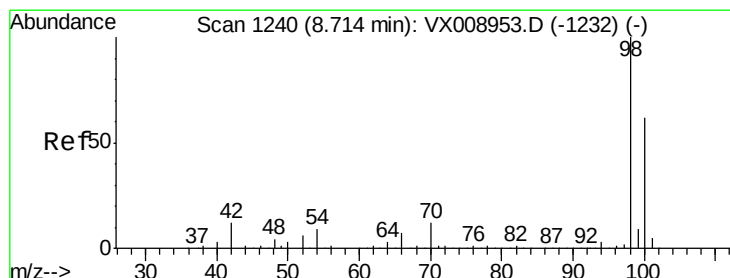
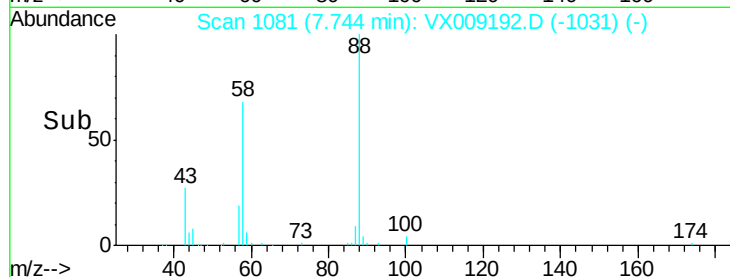
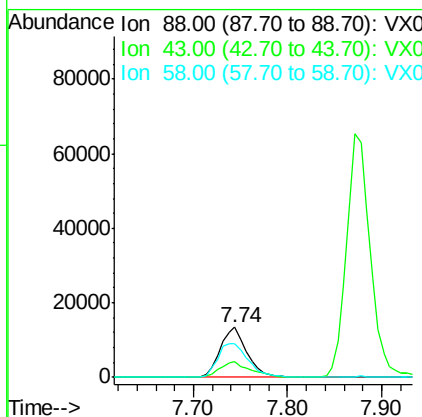
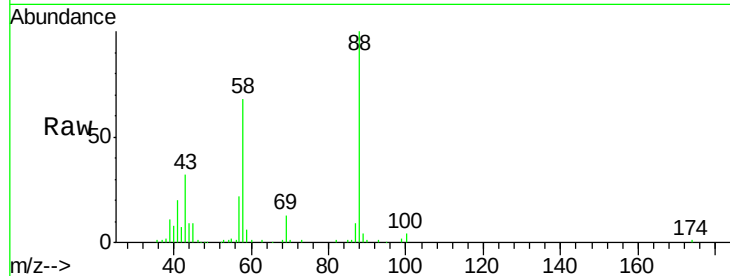
#49
1,4-Dioxane
Concen: 424.735 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009192.D
Acq: 26 Apr 2019 16:10

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	29.3	43.9
58	78.0	62.6	93.8

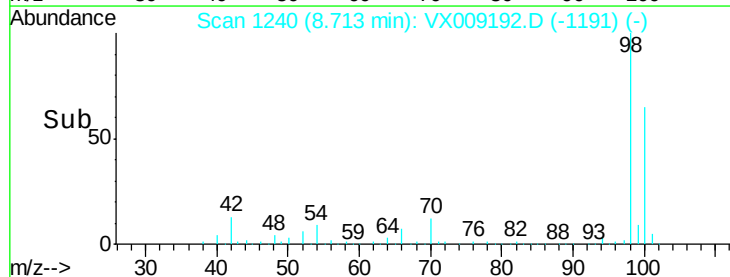
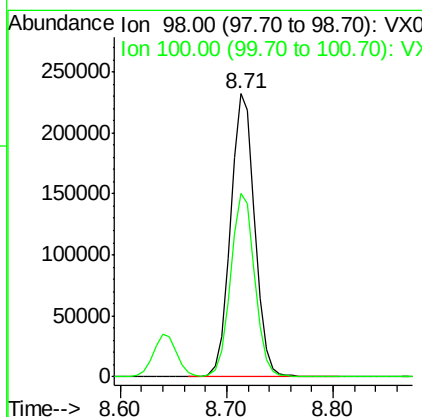
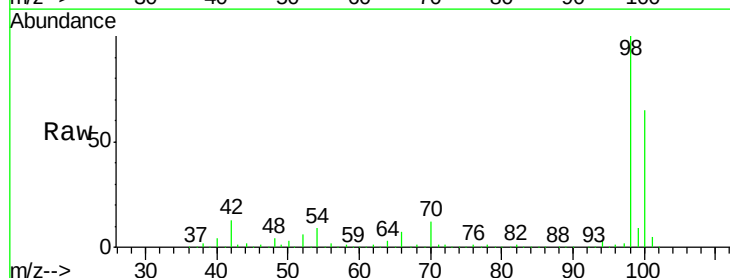
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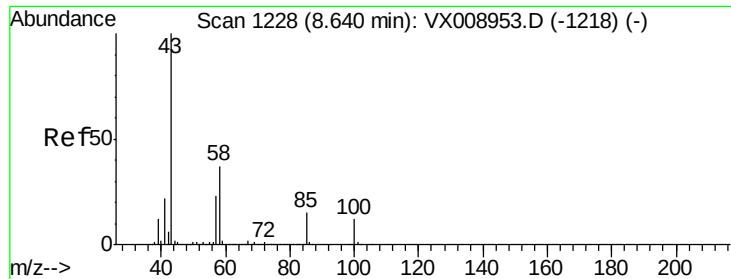
MMDadoda
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#50
Toluene-d8
Concen: 46.100 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009192.D
Acq: 26 Apr 2019 16:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 104.008 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBSD01

Tot Ion: 43 Resp: 444965

Ion Ratio Lower Upper

43 100

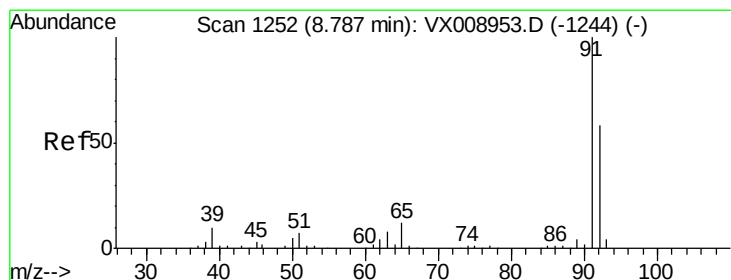
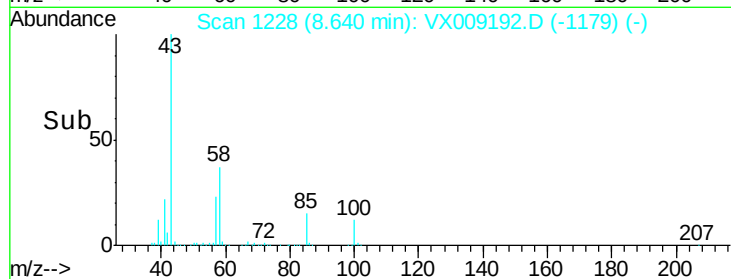
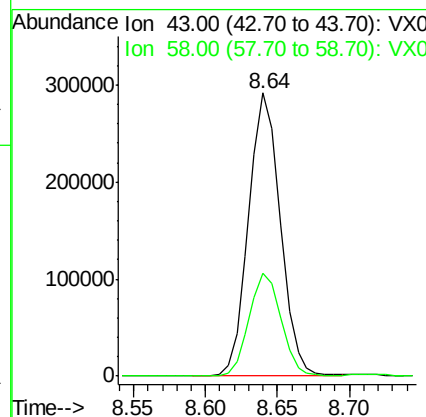
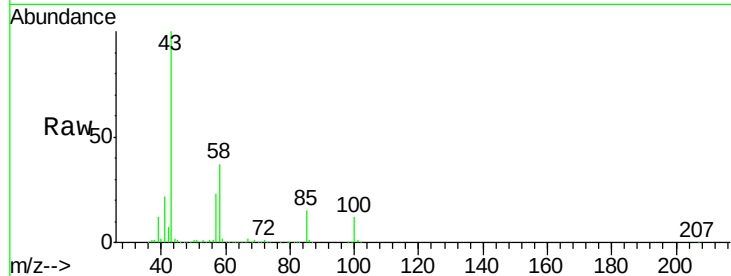
58 36.8 29.8 44.6

Manual Integrations

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4/29/2019 11:25:35 AM



#52

Toluene

Concen: 18.814 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009192.D

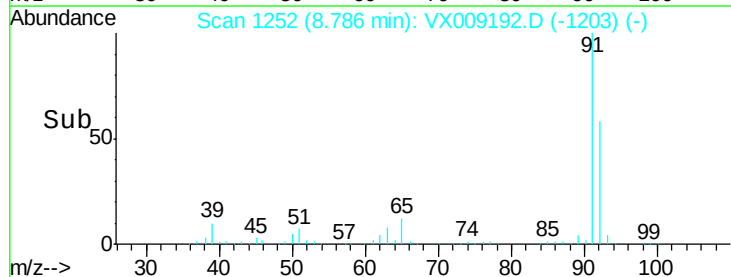
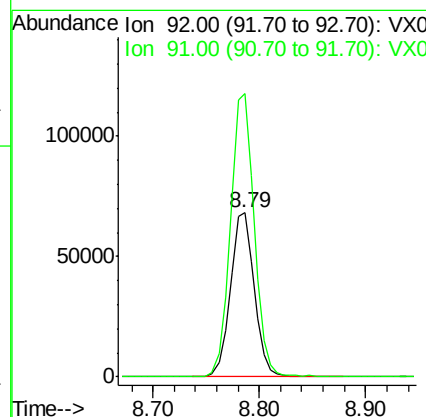
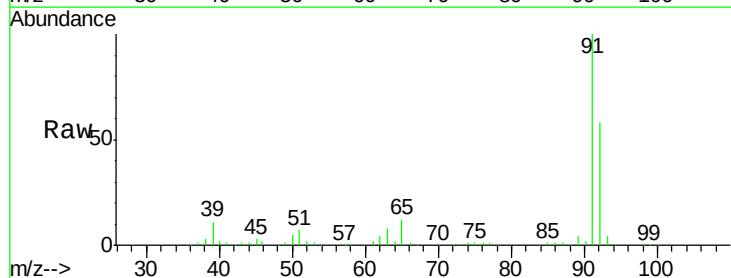
Acq: 26 Apr 2019 16:10

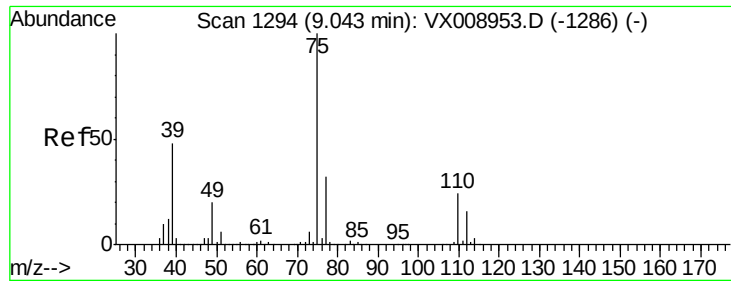
Tgt Ion: 92 Resp: 107723

Ion Ratio Lower Upper

92 100

91 171.5 138.5 207.7





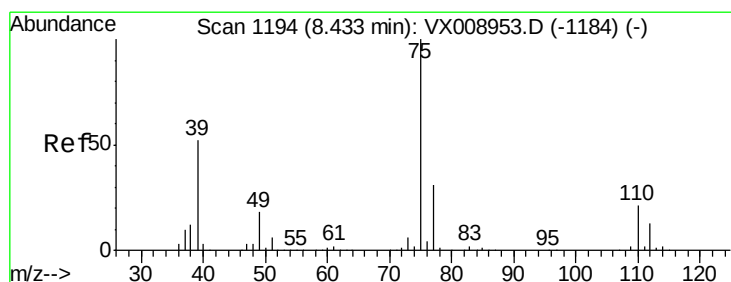
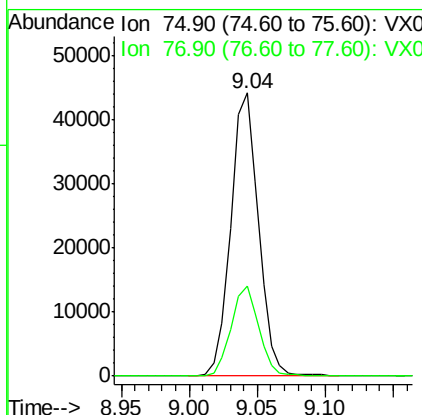
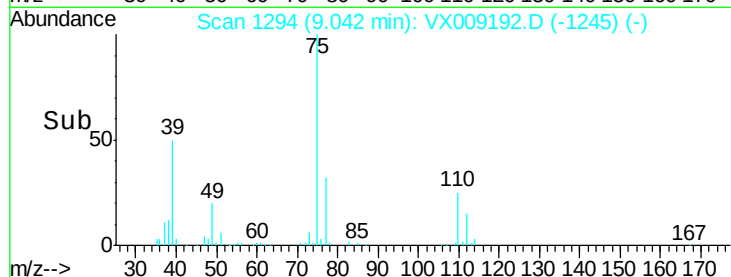
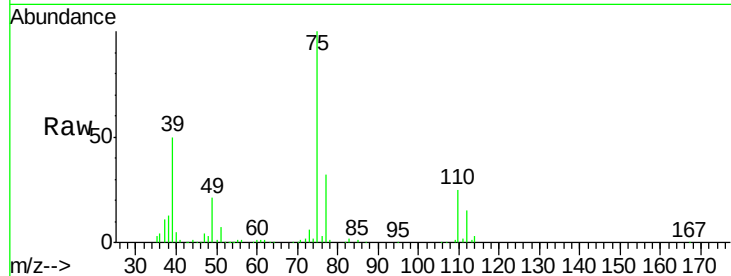
#53
t-1,3-Dichloropropene
Concen: 18.041 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009192.D
Acq: 26 Apr 2019 16:10

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBSD01

Tot Ion: 75 Resp: 62815
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2

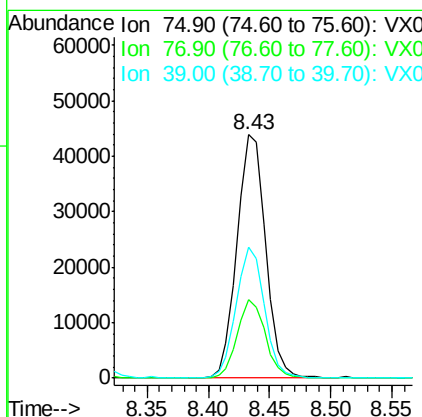
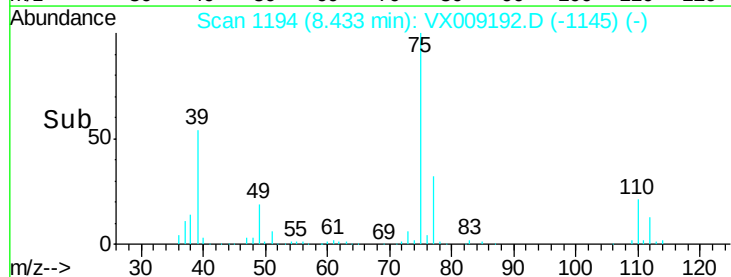
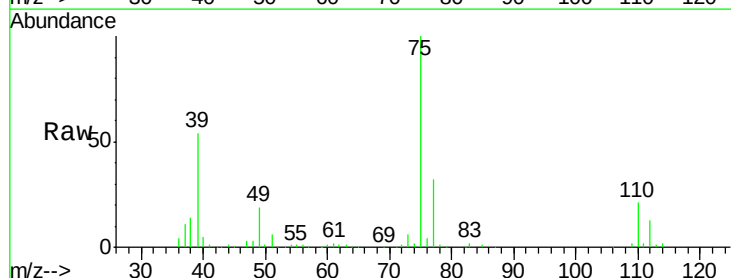
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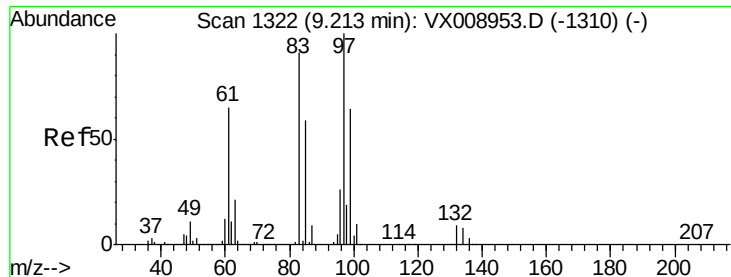
MMDadoda
4/29/2019 11:25:35 AM



#54
cis-1,3-Dichloropropene
Concen: 18.271 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009192.D
Acq: 26 Apr 2019 16:10

Tgt Ion: 75 Resp: 71233
Ion Ratio Lower Upper
75 100
77 32.4 24.8 37.2
39 53.9 41.8 62.6





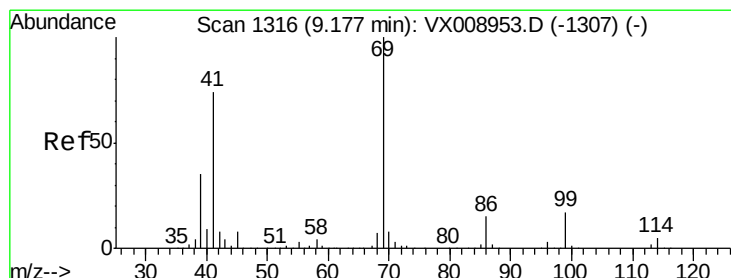
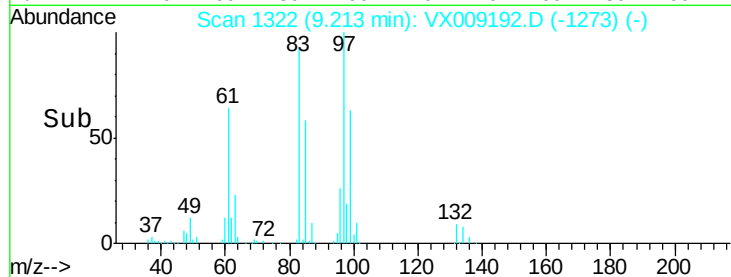
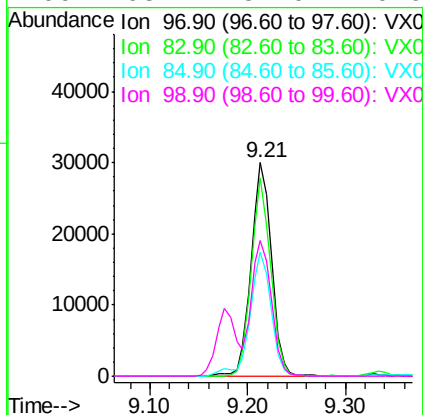
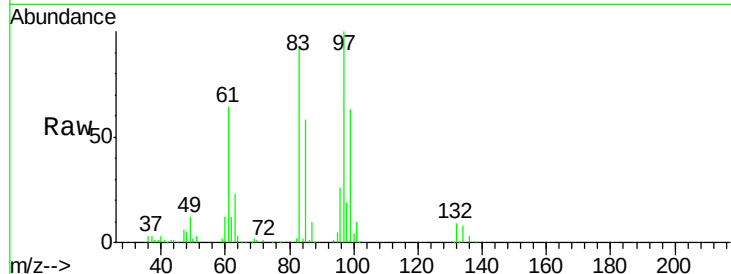
#55
 1,1,2-Trichloroethane
 Concen: 19.203 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009192.D
 Acq: 26 Apr 2019 16:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBSD01

Tot Ion:	97	Resp:	43577
Ion	Ratio	Lower	Upper
97	100		
83	93.0	72.6	108.8
85	58.1	46.9	70.3
99	63.4	51.0	76.6

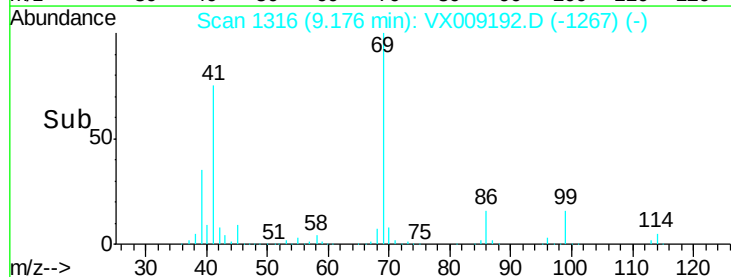
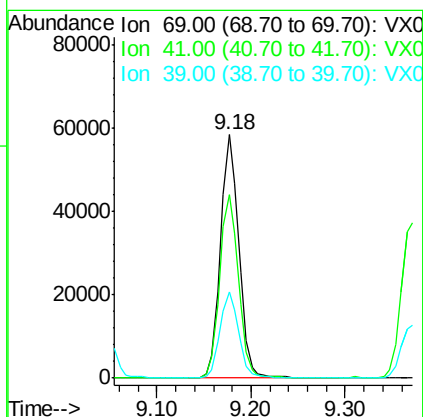
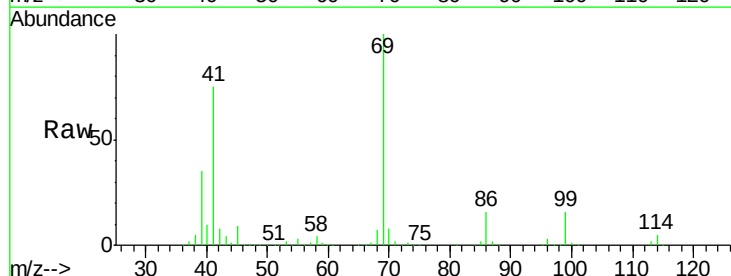
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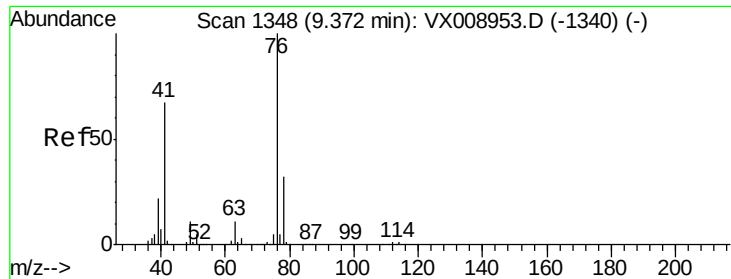
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 19.533 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009192.D
 Acq: 26 Apr 2019 16:10

Tgt Ion:	69	Resp:	79479
Ion	Ratio	Lower	Upper
69	100		
41	76.7	60.2	90.2
39	35.4	27.9	41.9





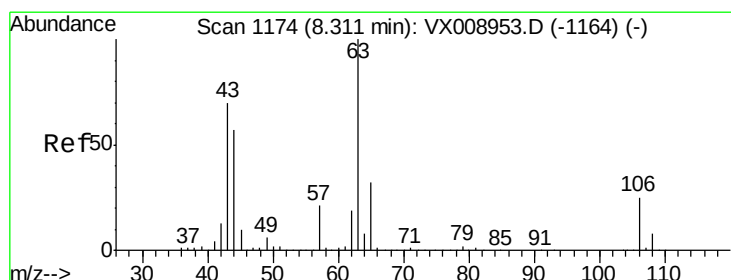
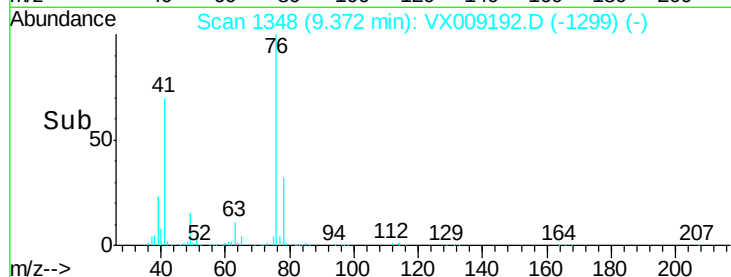
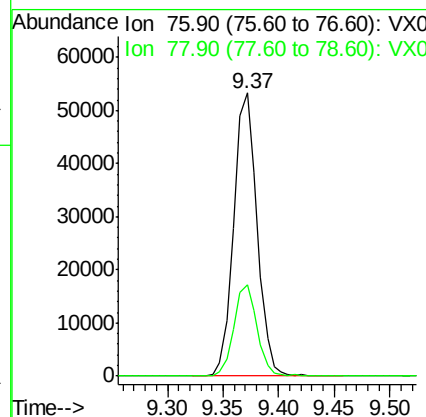
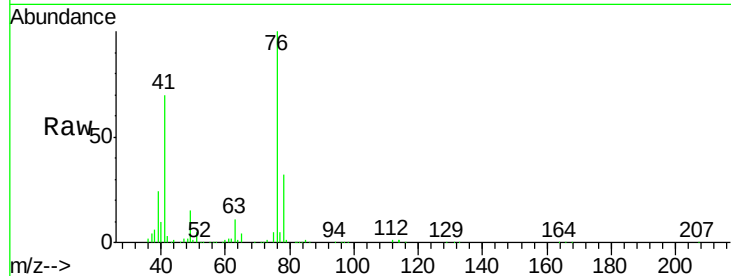
#57
 1,3-Dichloropropane
 Concen: 19.172 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX009192.D
 Acq: 26 Apr 2019 16:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBSD01

Tot Ion: 76 Resp: 77460
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

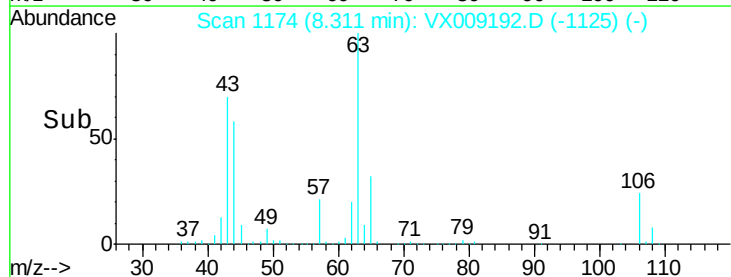
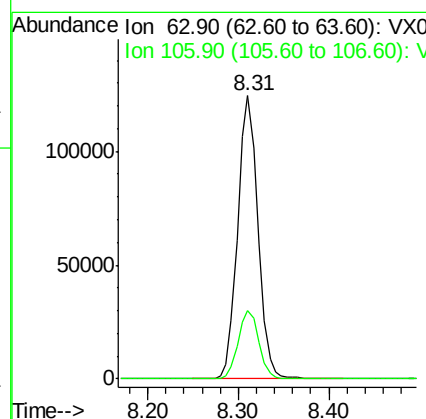
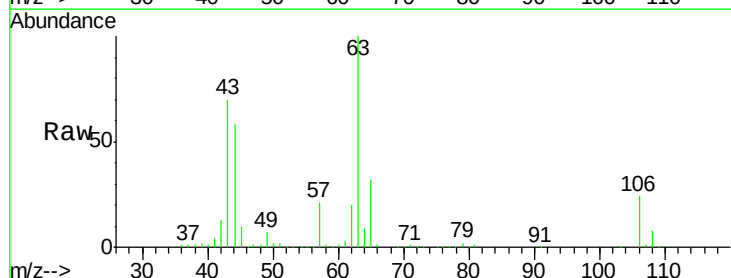
Manual Integrations
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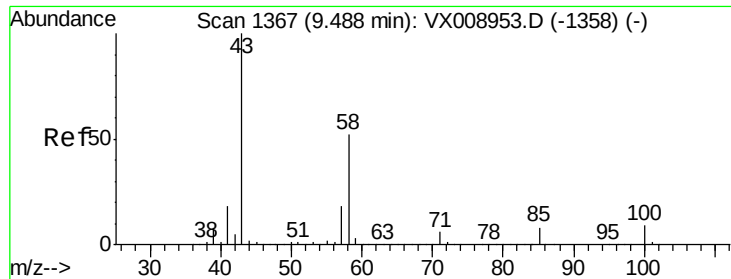
MMDadoda
 4/29/2019 11:25:35 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.464 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009192.D
 Acq: 26 Apr 2019 16:10

Tgt Ion: 63 Resp: 193837
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.8 29.6





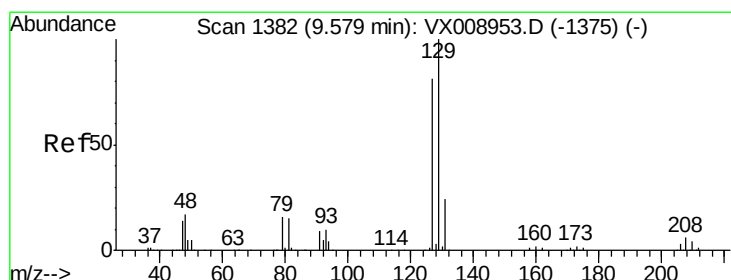
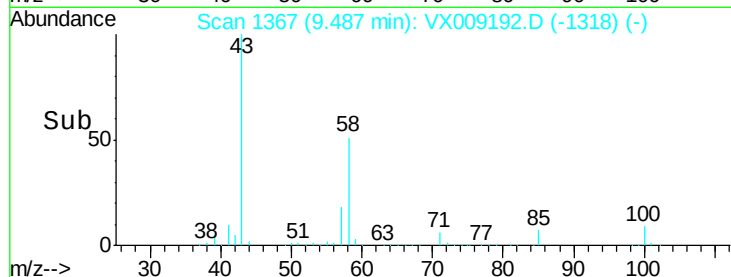
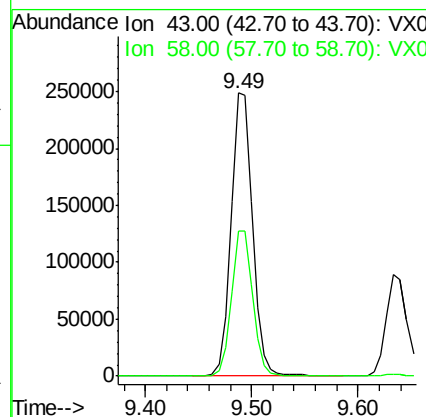
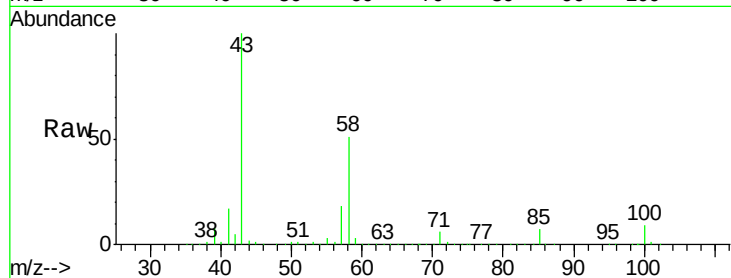
#59
2-Hexanone
Concen: 106.661 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009192.D
Acq: 26 Apr 2019 16:10

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBSD01

Tot Ion: 43 Resp: 351809
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.8

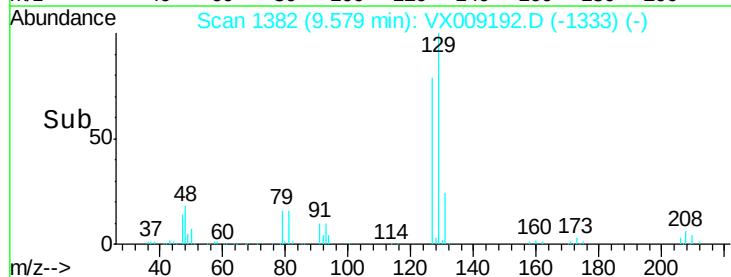
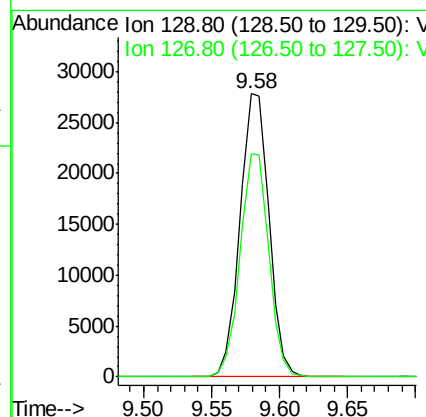
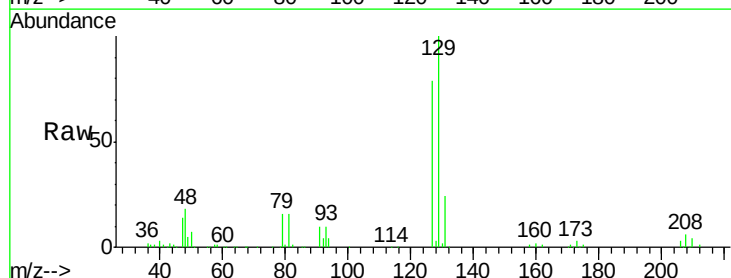
Manual Integrations
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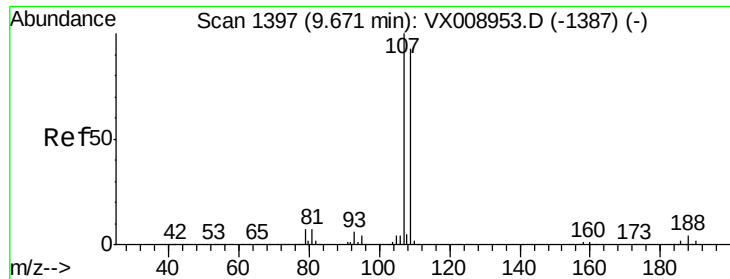
MMDadoda
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#60
Dibromochloromethane
Concen: 18.990 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009192.D
Acq: 26 Apr 2019 16:10

Tgt Ion: 129 Resp: 41300
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.2





#61

1,2-Dibromoethane

Concen: 18.975 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBSD01

Tot Ion:107 Resp: 44440

Ion Ratio Lower Upper

107 100

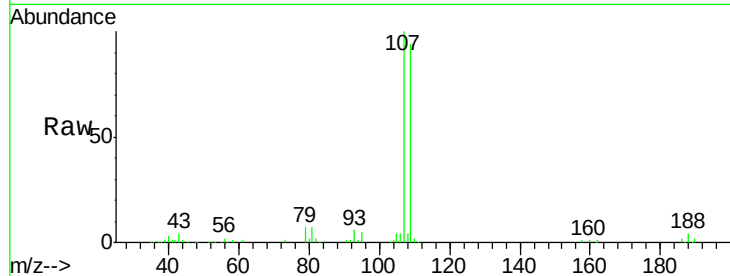
109 93.4 74.4 111.6

Manual Integrations

APPROVED

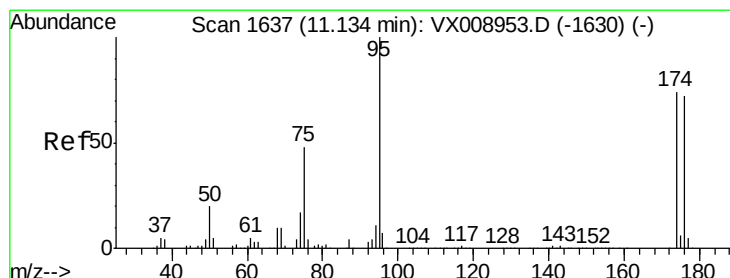
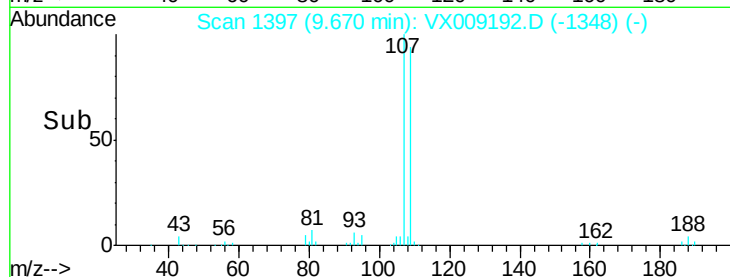
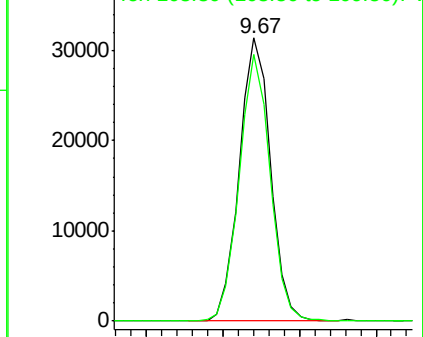
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.378 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

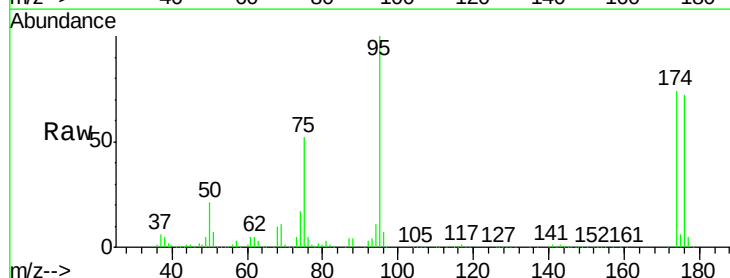
Tgt Ion: 95 Resp: 134035

Ion Ratio Lower Upper

95 100

174 80.6 0.0 159.6

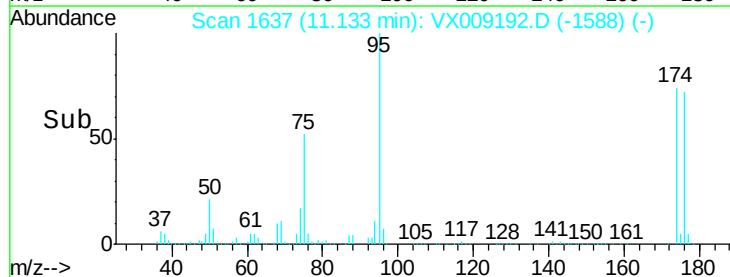
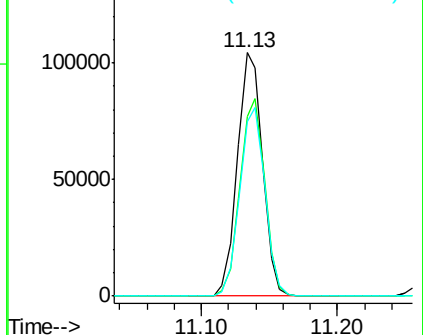
176 77.8 0.0 154.8

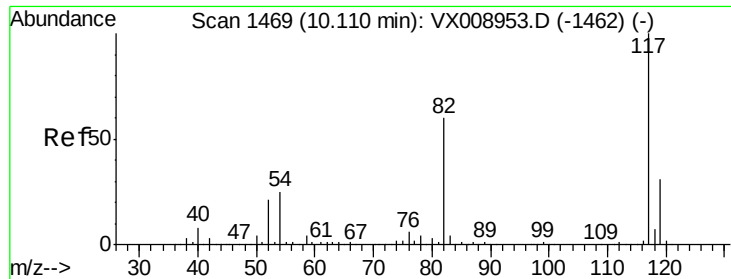


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Instrument :

MSVOA_X

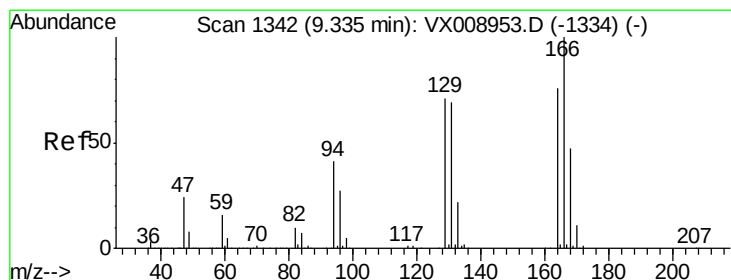
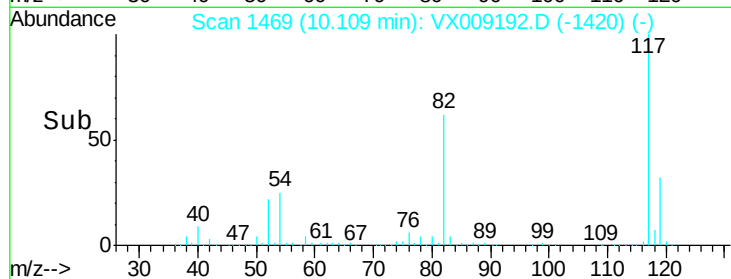
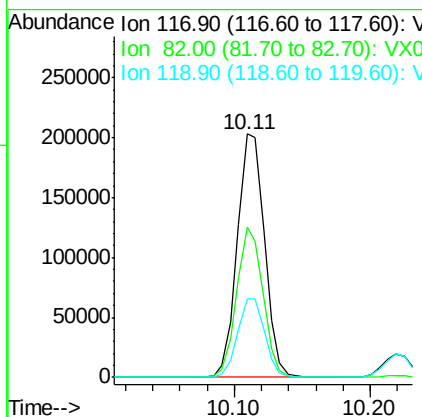
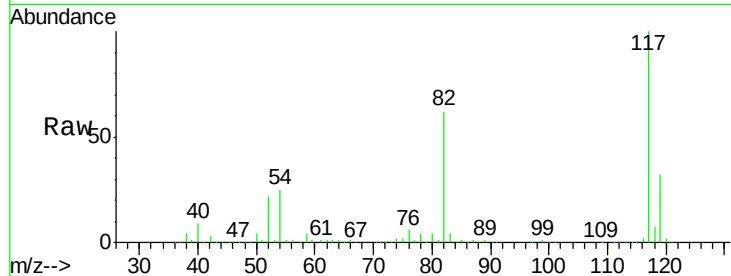
ClientSampleId :

VX0426WBSD01

Tot Ion:	117	Resp:	283741
Ion Ratio	Lower	Upper	
117	100		
82	61.9	48.2	72.4
119	32.1	25.0	37.6

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#64

Tetrachloroethene

Concen: 17.258 ug/l

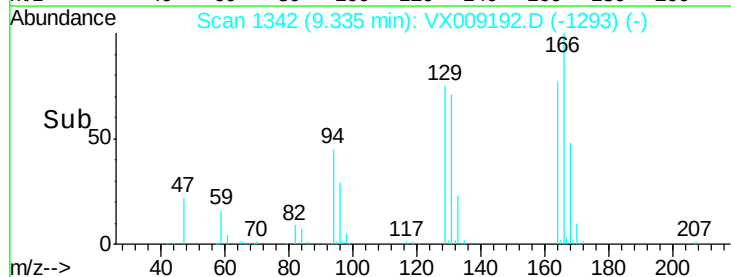
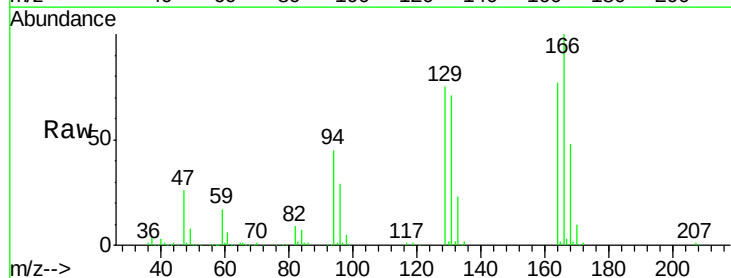
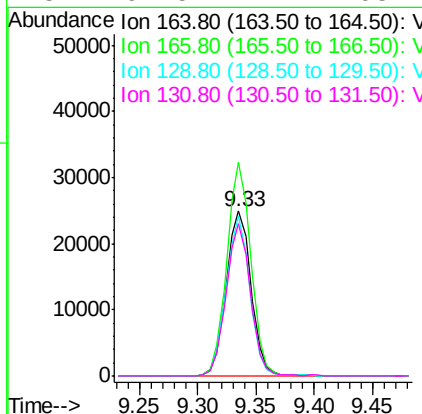
RT: 9.33 min Scan# 1342

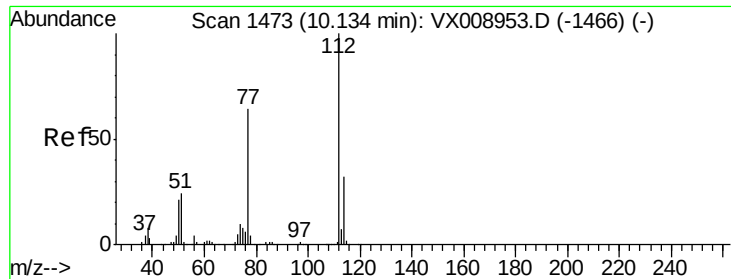
Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Tgt Ion:	164	Resp:	37199
Ion Ratio	Lower	Upper	
164	100		
166	129.7	105.0	157.4
129	97.0	74.2	111.4
131	92.5	72.2	108.2





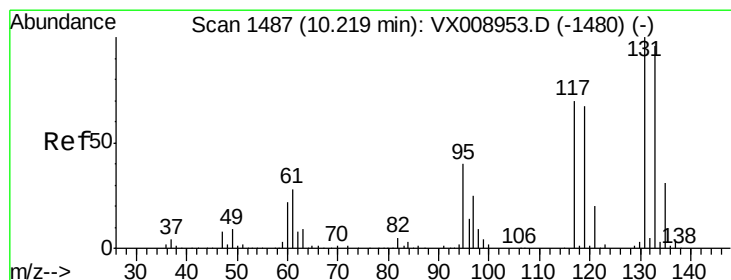
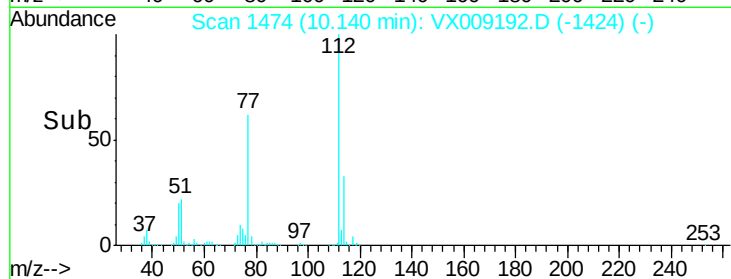
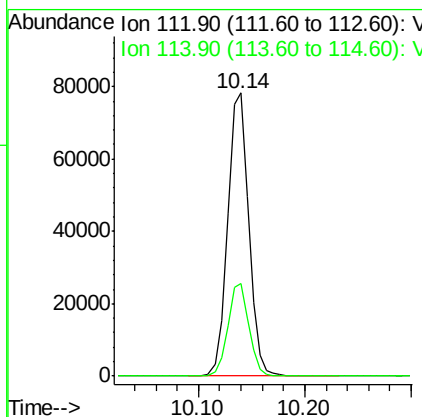
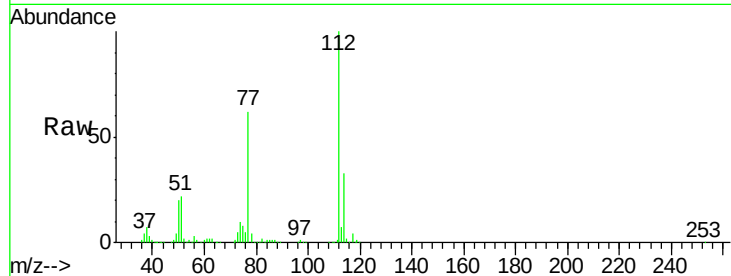
#65
Chlorobenzene
Concen: 18.176 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009192.D
Acq: 26 Apr 2019 16:10

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBSD01

Tot Ion:112 Resp: 108857
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.0

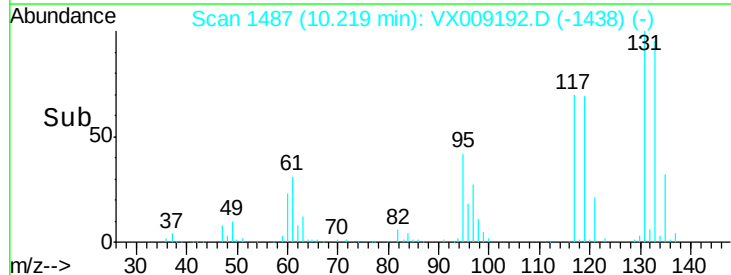
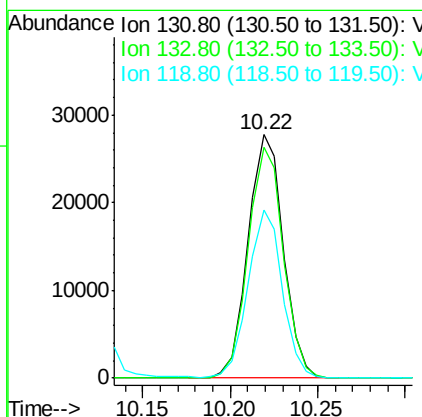
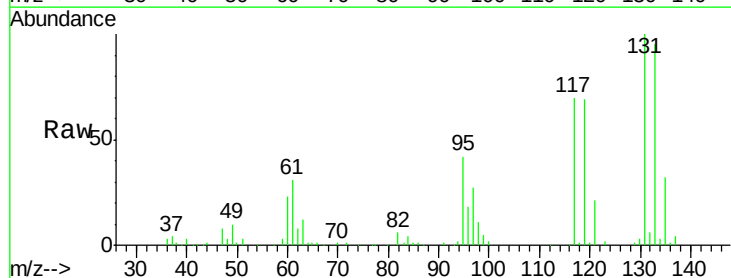
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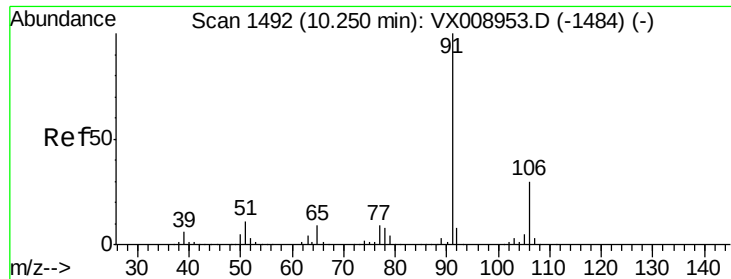
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.400 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009192.D
Acq: 26 Apr 2019 16:10

Tgt Ion:131 Resp: 38822
Ion Ratio Lower Upper
131 100
133 94.7 48.0 144.2
119 67.3 33.7 101.1





#67

Ethyl Benzene

Concen: 18.575 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBSD01

Tot Ion: 91 Resp: 203359

Ion Ratio Lower Upper

91 100

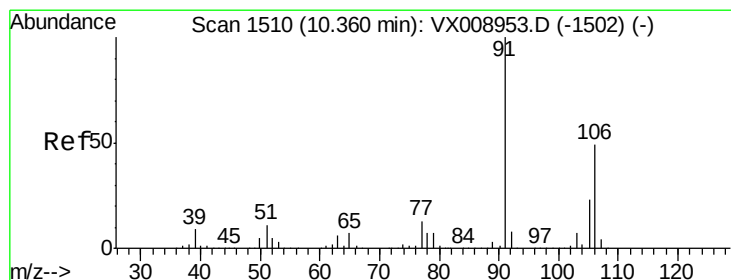
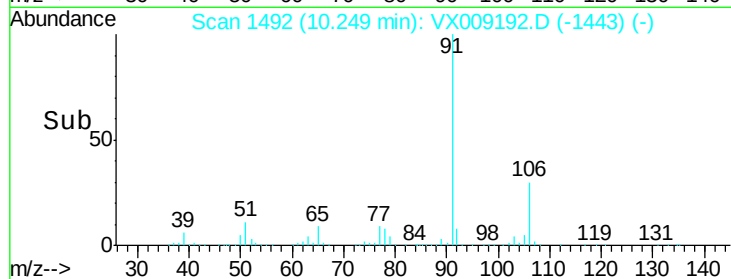
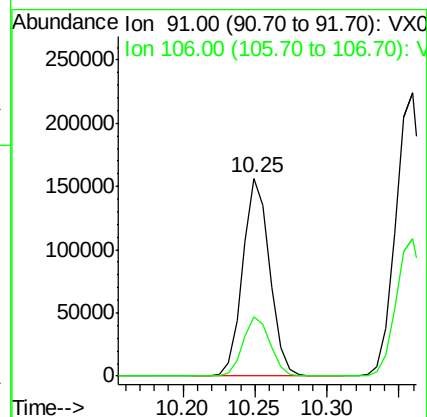
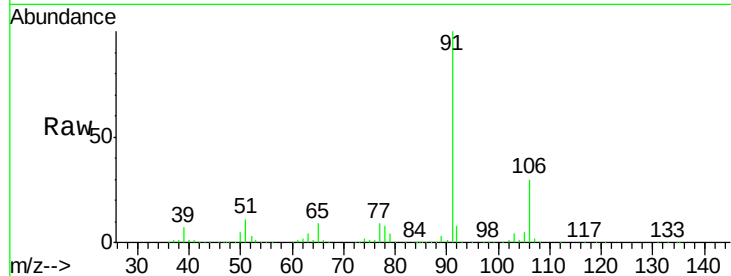
106 30.2 24.3 36.5

Manual Integrations

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4/29/2019 11:25:35 AM



#68

m/p-Xylenes

Concen: 37.599 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009192.D

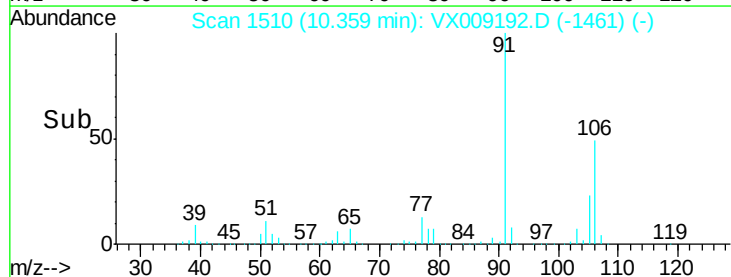
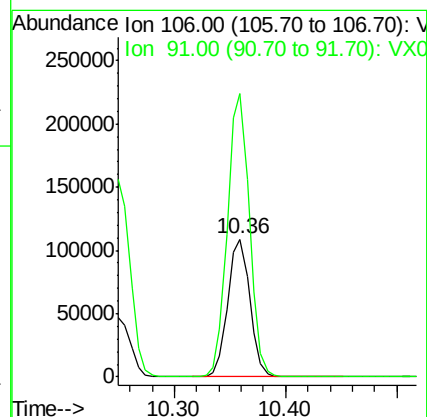
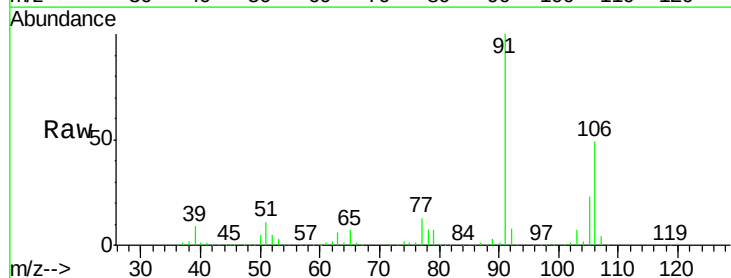
Acq: 26 Apr 2019 16:10

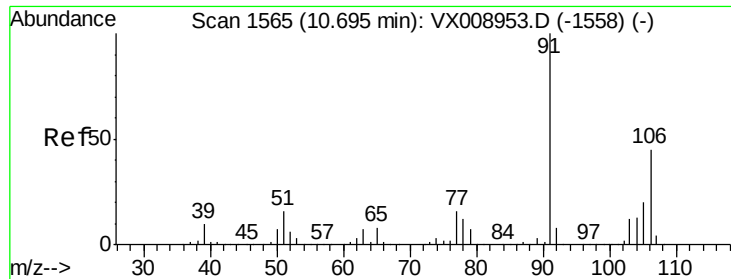
Tgt Ion: 106 Resp: 149601

Ion Ratio Lower Upper

106 100

91 205.1 165.4 248.2





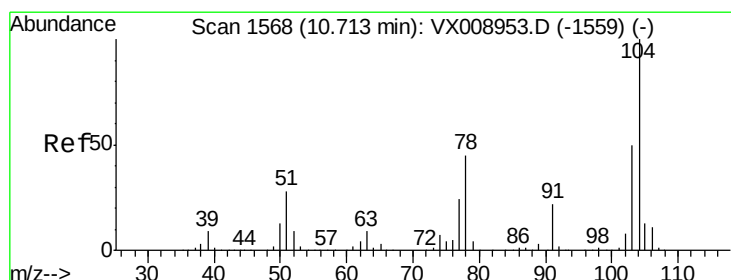
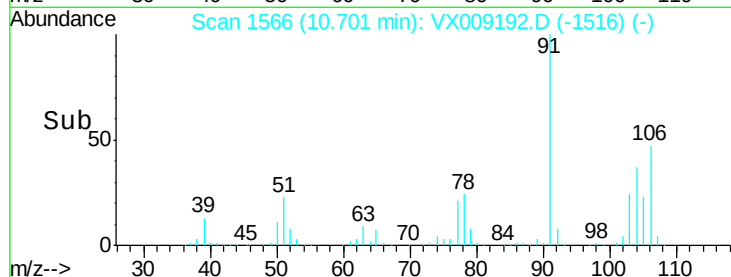
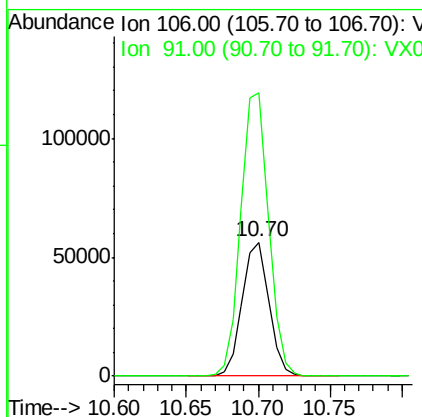
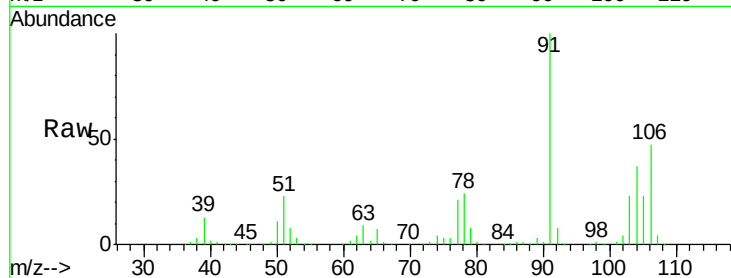
#69
o-Xylene
Concen: 18.846 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX009192.D
Acq: 26 Apr 2019 16:10

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBSD01

Tot Ion:106 Resp: 72962
Ion Ratio Lower Upper
106 100
91 219.5 108.9 326.7

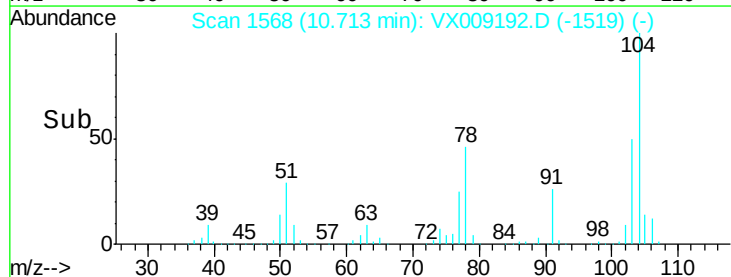
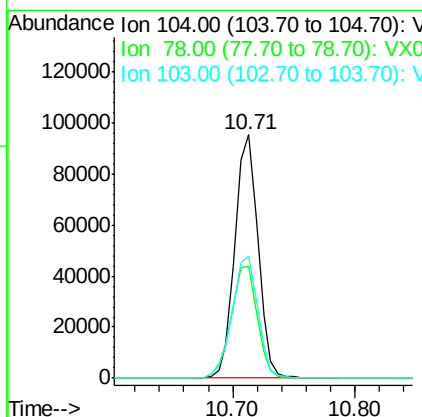
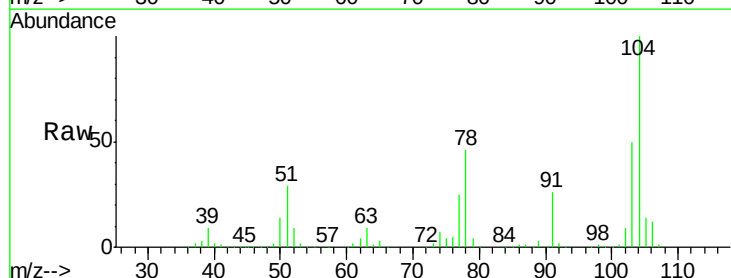
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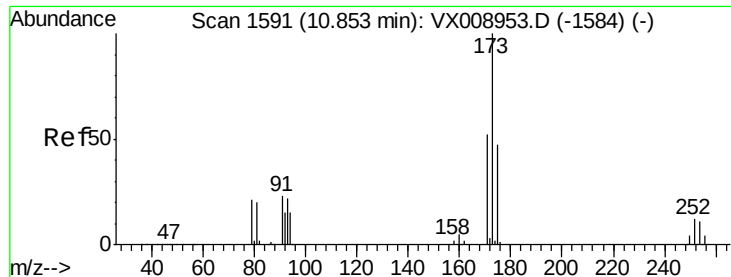
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#70
Styrene
Concen: 18.559 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009192.D
Acq: 26 Apr 2019 16:10

Tgt Ion:104 Resp: 124508
Ion Ratio Lower Upper
104 100
78 52.2 41.2 61.8
103 55.8 43.9 65.9





#71

Bromoform

Concen: 18.216 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBSD01

Tot Ion:173 Resp: 30619

Ion Ratio Lower Upper

173 100

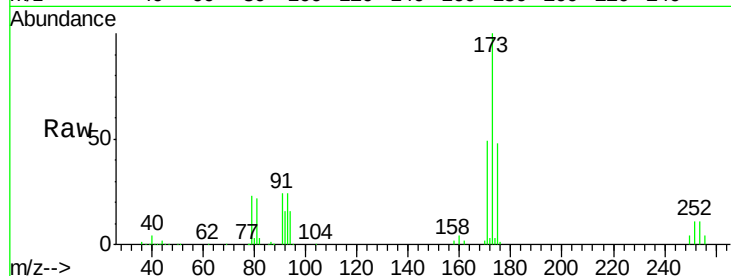
175 49.3 23.9 71.8

254 0.0 0.2 0.4#

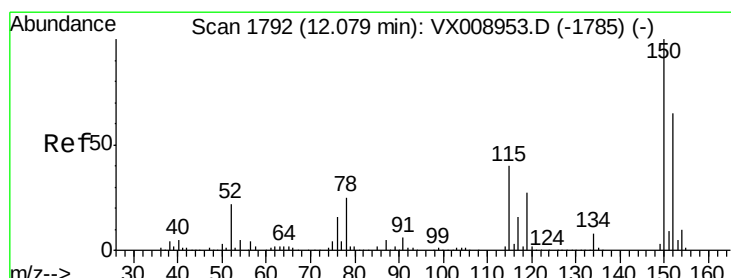
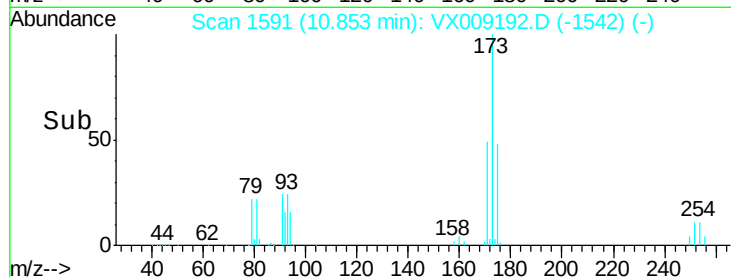
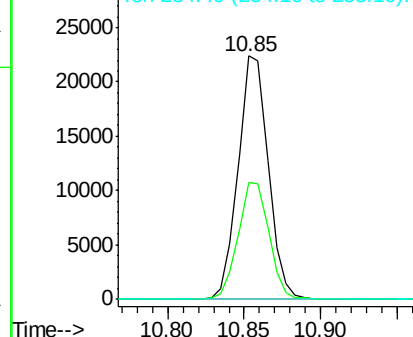
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

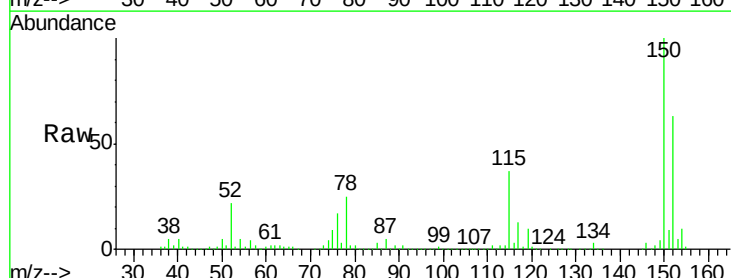
Tgt Ion:152 Resp: 133770

Ion Ratio Lower Upper

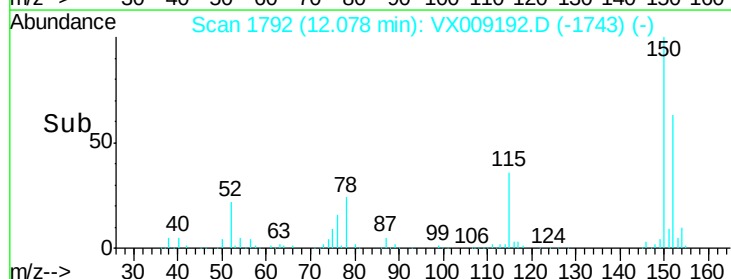
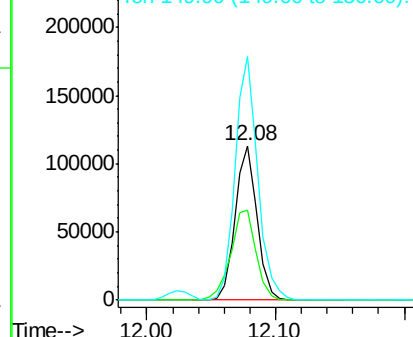
152 100

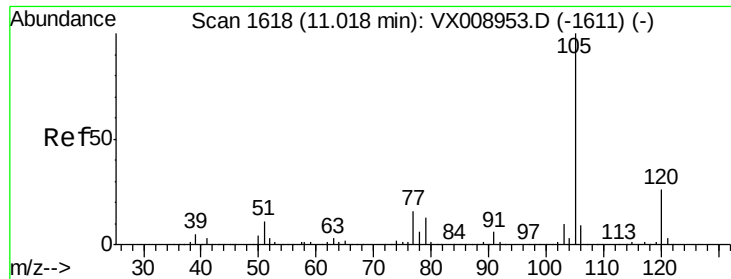
115 68.5 41.4 124.2

150 164.2 0.0 349.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





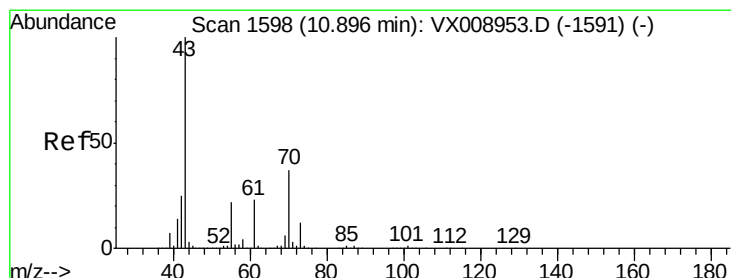
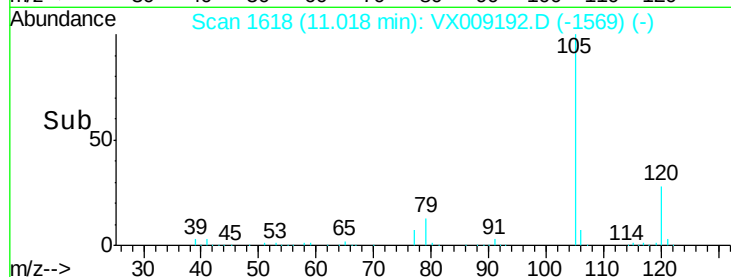
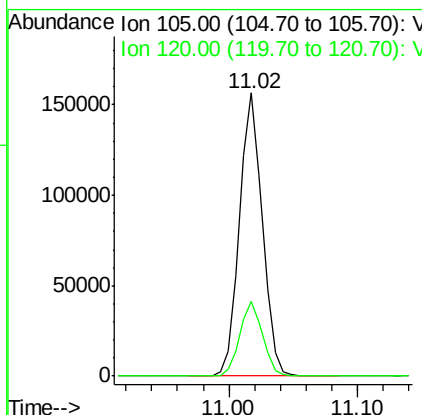
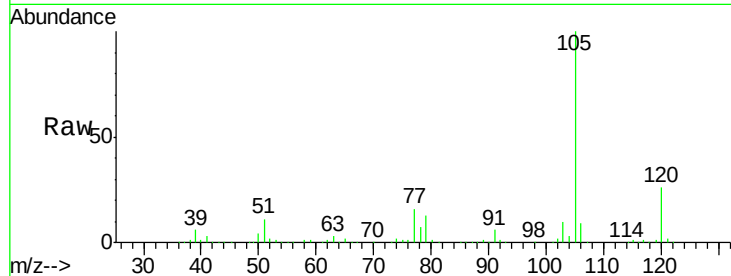
#73
Isopropylbenzene
Concen: 18.985 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009192.D
Acq: 26 Apr 2019 16:10

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.9	38.7

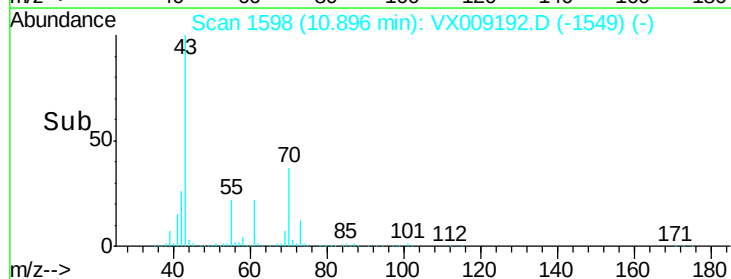
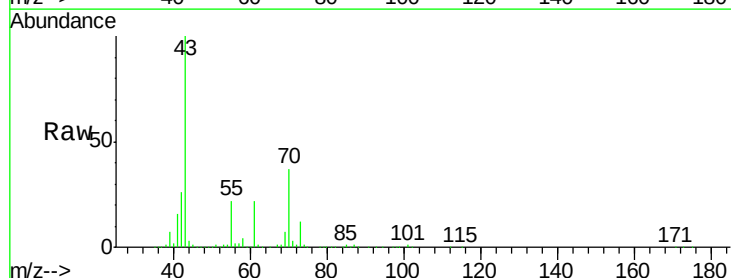
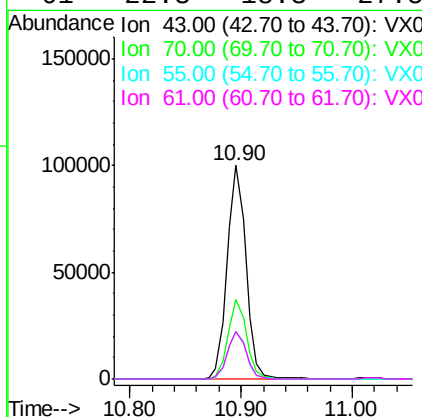
Manual Integrations
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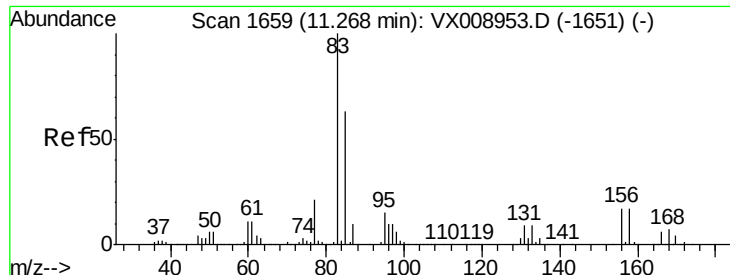
MMDadoda
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#74
N-ethyl acetate
Concen: 20.056 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX009192.D
Acq: 26 Apr 2019 16:10

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.2	29.9	44.9
55	22.6	17.8	26.8
61	22.3	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.675 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Instrument :

MSVOA_X

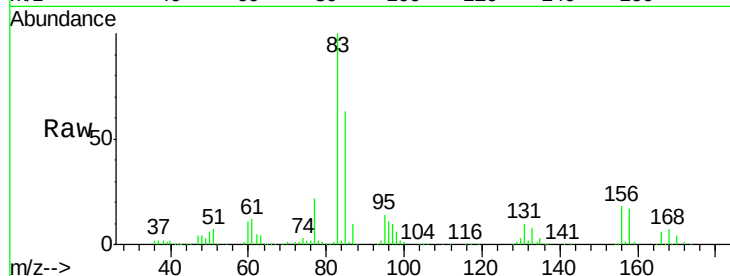
ClientSampleId :

VX0426WBSD01

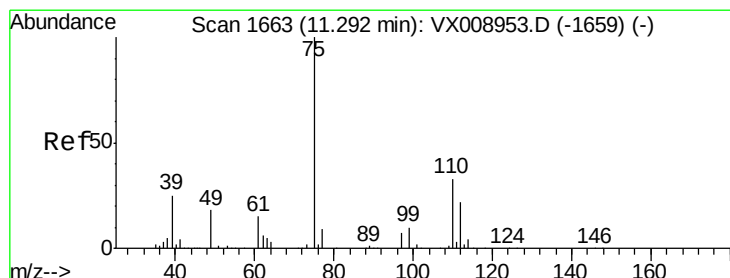
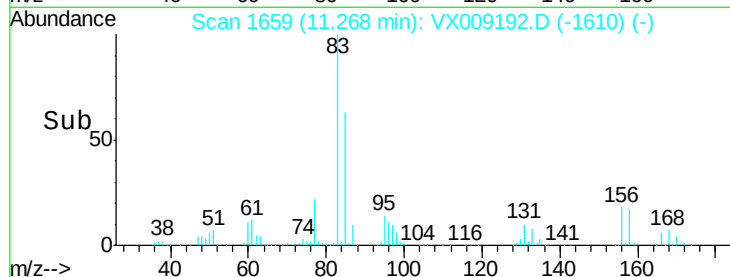
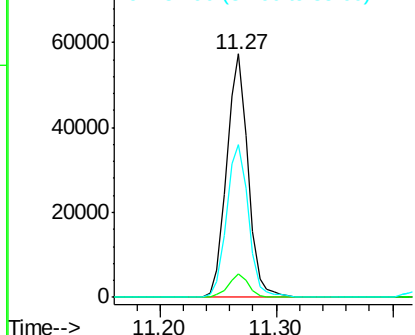
Tot Ion:	83	Resp:	72891
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.7	14.0
85	64.6	31.9	95.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.375 ug/l m

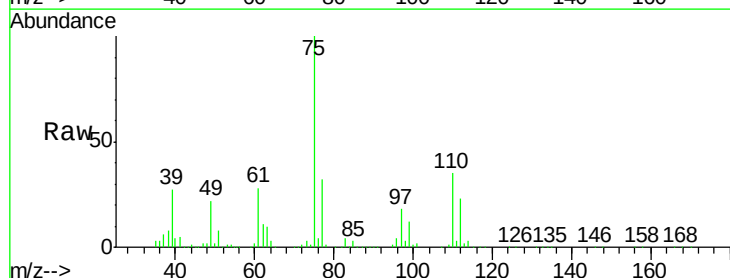
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

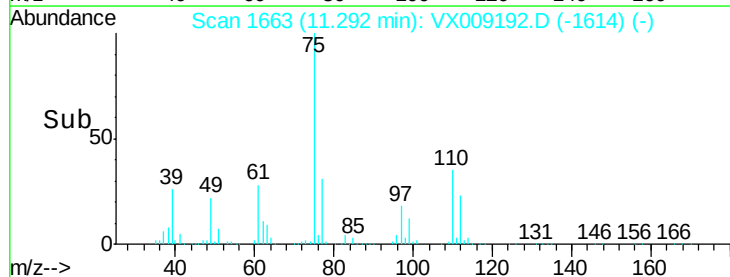
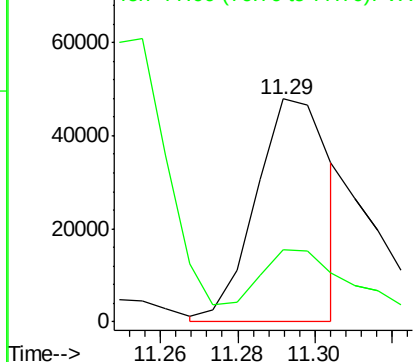
Lab File: VX009192.D

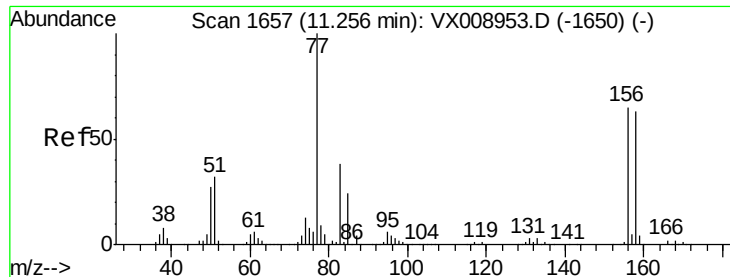
Acq: 26 Apr 2019 16:10

Tgt Ion:	75	Resp:	63287
Ion Ratio	Lower	Upper	
75	100		
77	43.1	22.7	68.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.788 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBSD01

Tot Ion:156 Resp: 48065

Ion Ratio Lower Upper

156 100

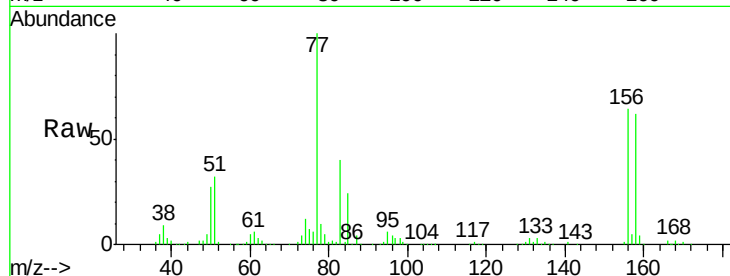
77 168.4 85.4 256.1

158 96.7 48.8 146.4

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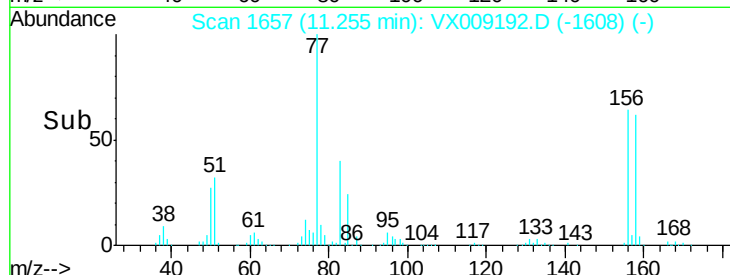


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

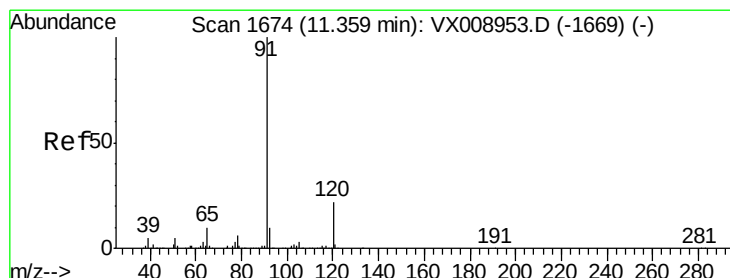
Ion 157.80 (157.50 to 158.50): V

Time-->



11.26

Time-->



#78

n-propylbenzene

Concen: 18.919 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009192.D

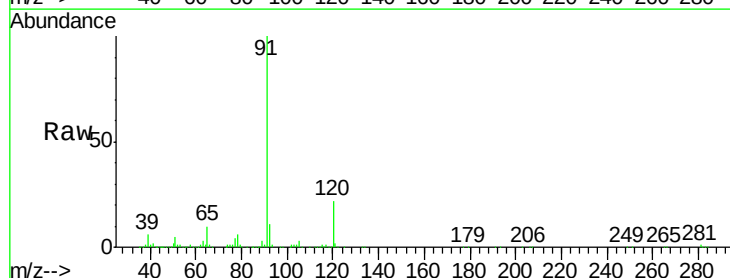
Acq: 26 Apr 2019 16:10

Tgt Ion: 91 Resp: 220181

Ion Ratio Lower Upper

91 100

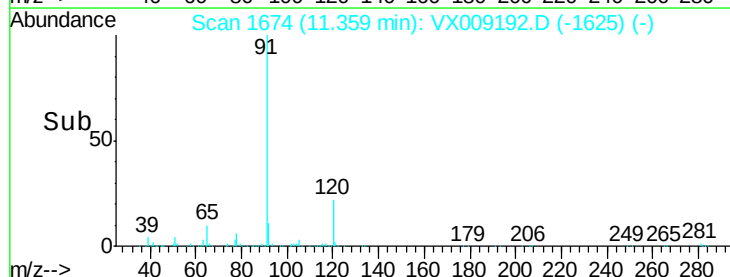
120 21.8 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

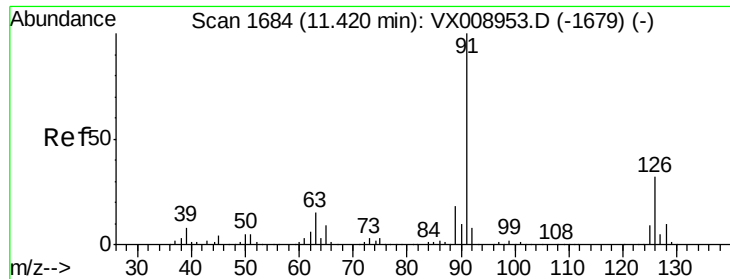
Ion 120.00 (119.70 to 120.70): V

Time-->



11.36

Time-->



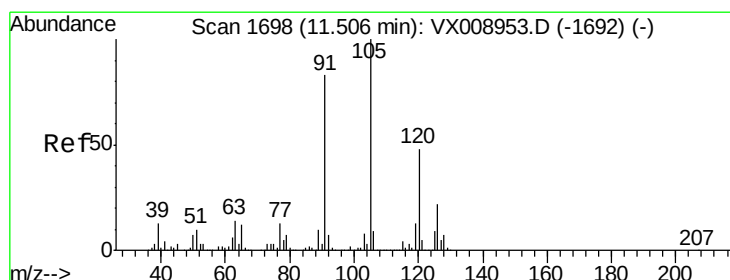
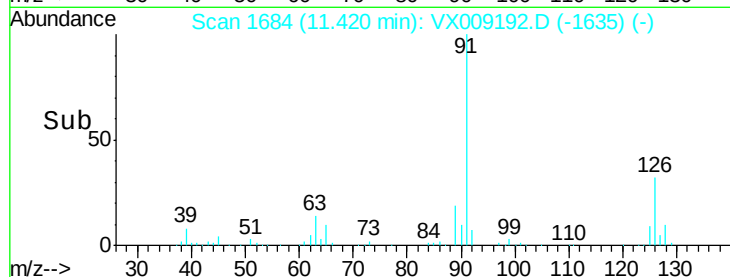
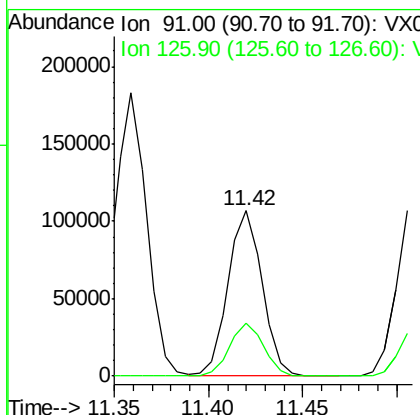
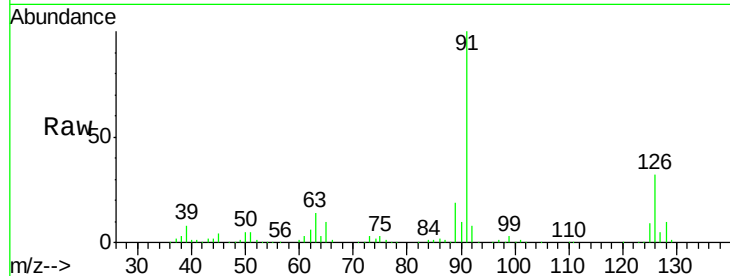
#79
 2-Chlorotoluene
 Concen: 19.088 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX009192.D
 Acq: 26 Apr 2019 16:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBSD01

Tot Ion: 91 Resp: 133866
 Ion Ratio Lower Upper
 91 100
 126 32.1 16.3 48.9

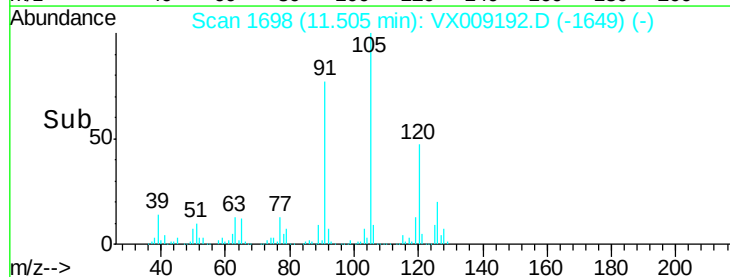
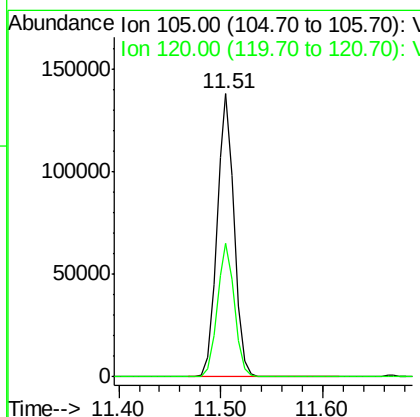
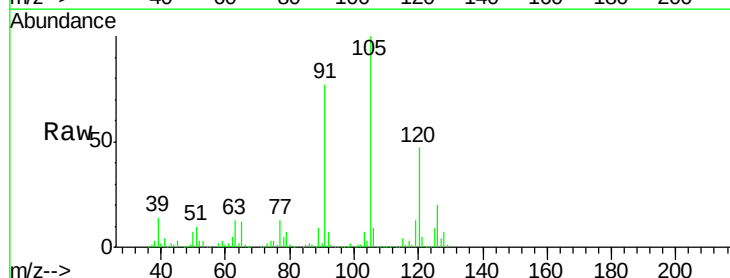
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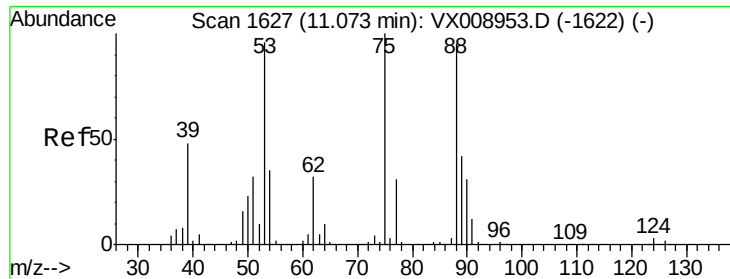
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.166 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009192.D
 Acq: 26 Apr 2019 16:10

Tgt Ion: 105 Resp: 163075
 Ion Ratio Lower Upper
 105 100
 120 47.4 24.1 72.3





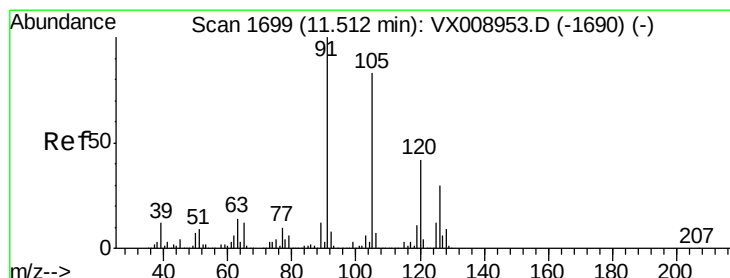
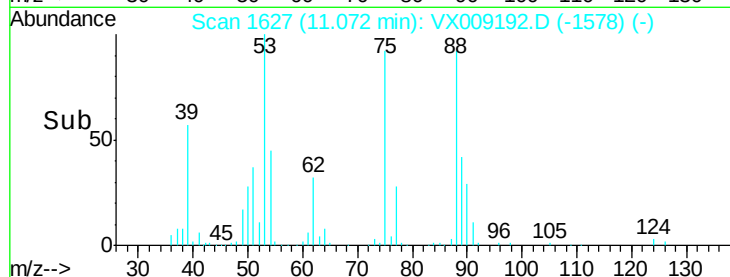
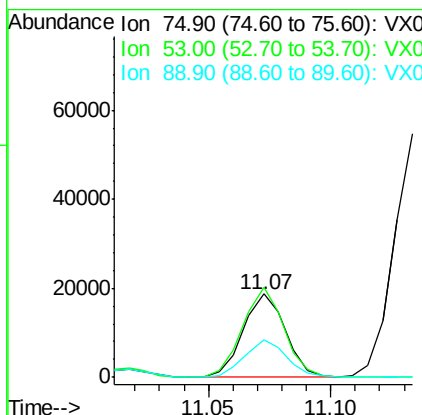
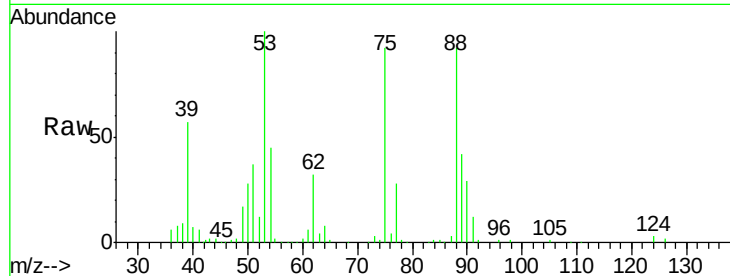
#81
trans-1,4-Dichloro-2-butene
Concen: 17.625 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009192.D
Acq: 26 Apr 2019 16:10

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.5	78.2	117.4
89	45.4	36.0	54.0

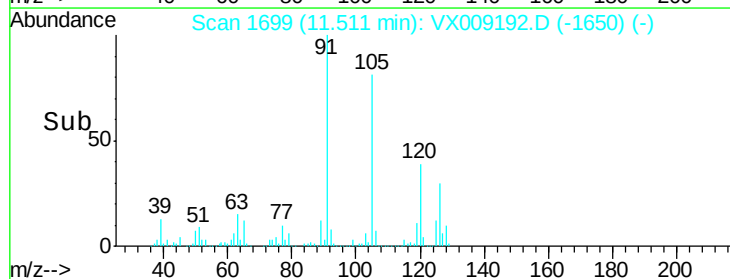
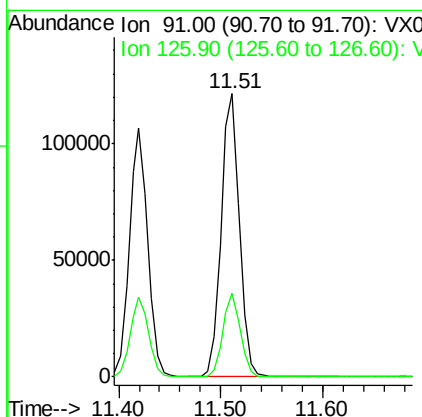
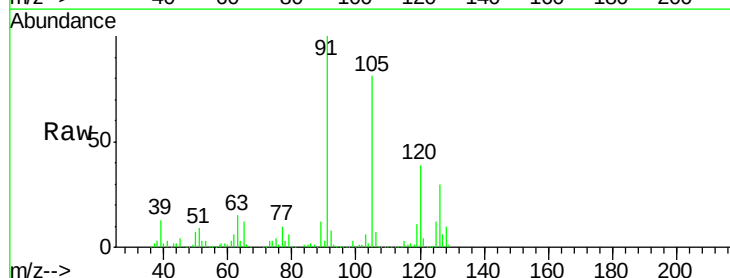
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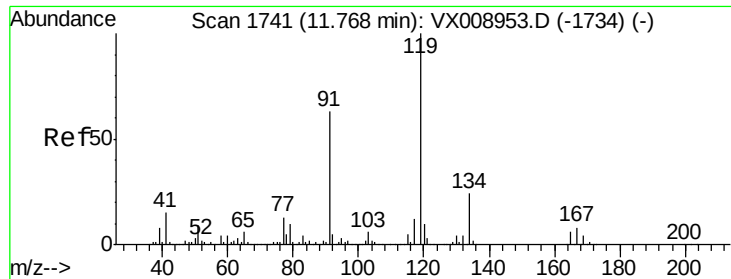
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#82
4-Chlorotoluene
Concen: 18.696 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX009192.D
Acq: 26 Apr 2019 16:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.3	42.9





#83

tert-Butylbenzene

Concen: 19.568 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Instrument :

MSVOA_X

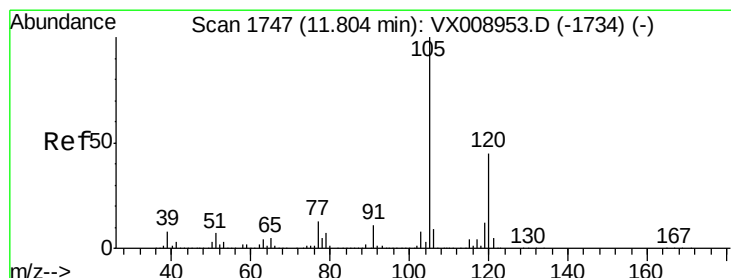
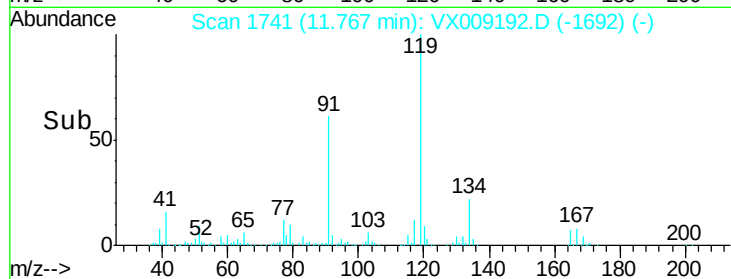
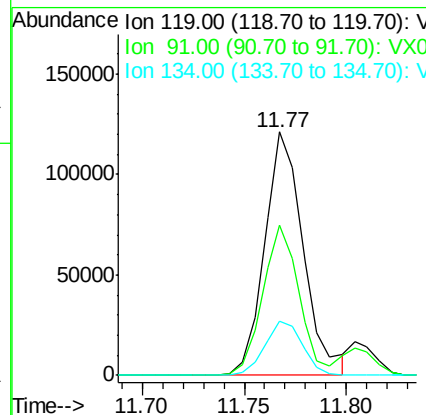
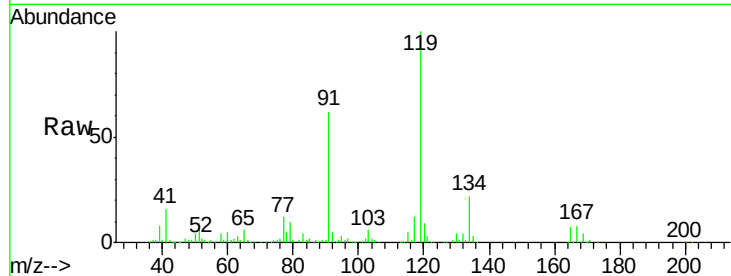
ClientSampleId :

VX0426WBSD01

Tot Ion:	119	Resp:	159851
Ion Ratio	Lower	Upper	
119	100		
91	57.8	29.7	89.1
134	21.9	11.2	33.5

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#84

1,2,4-Trimethylbenzene

Concen: 19.047 ug/l

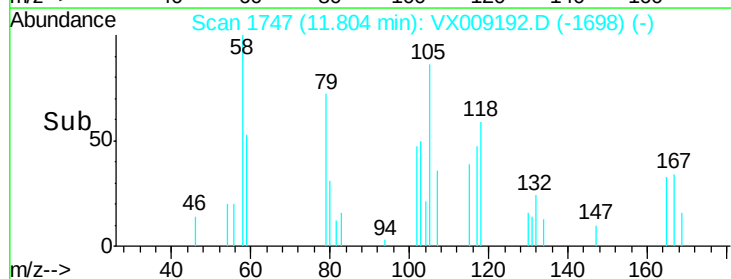
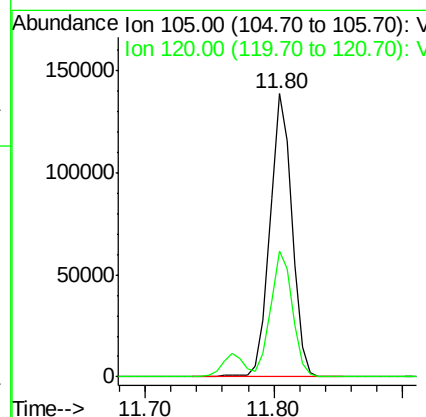
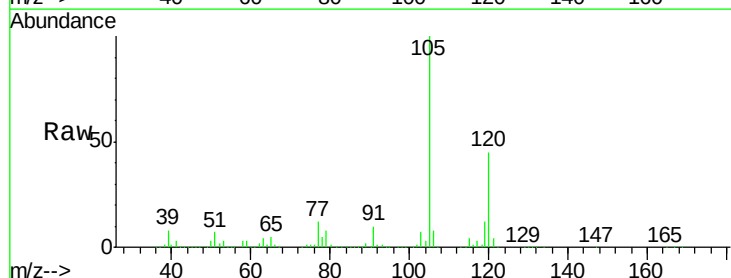
RT: 11.80 min Scan# 1747

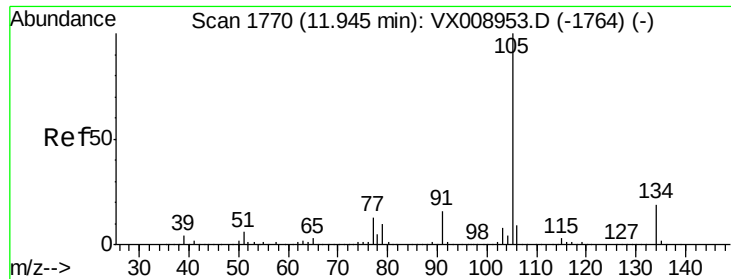
Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Tgt Ion:	105	Resp:	164967
Ion Ratio	Lower	Upper	
105	100		
120	43.8	21.9	65.8





#85

sec-Butylbenzene

Concen: 19.077 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampled :

VX0426WBSD01

Tot Ion:105 Resp: 185868

Ion Ratio Lower Upper

105 100

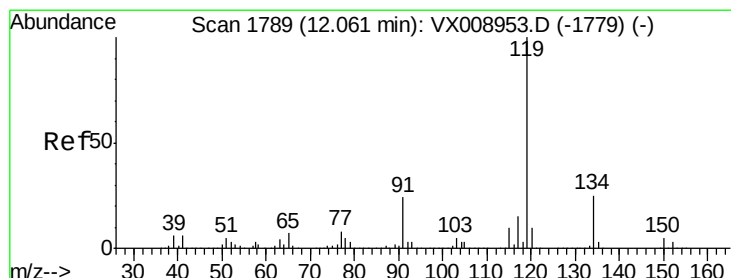
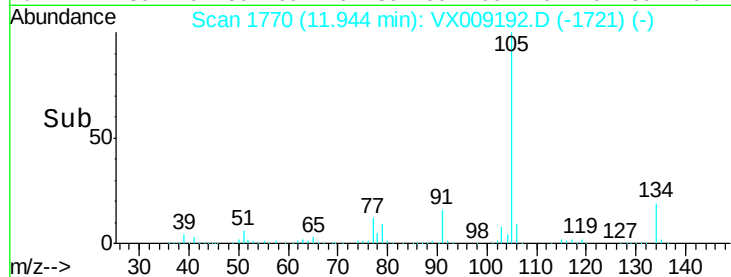
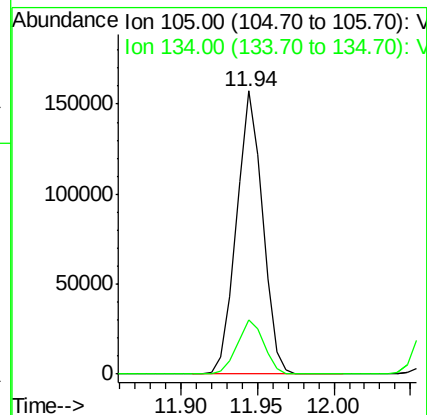
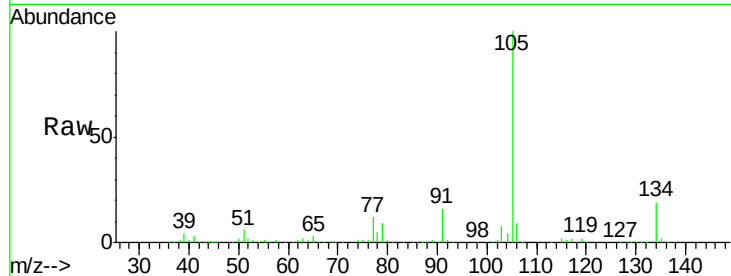
134 19.7 9.6 28.6

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#86

p-Isopropyltoluene

Concen: 18.879 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

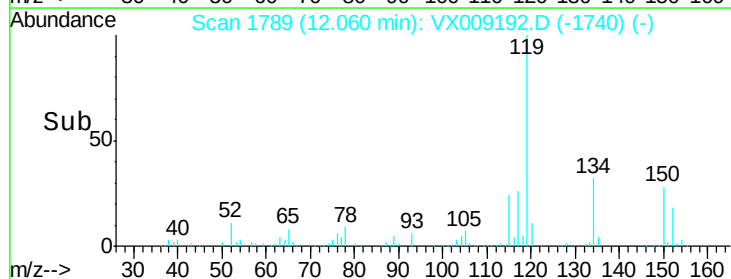
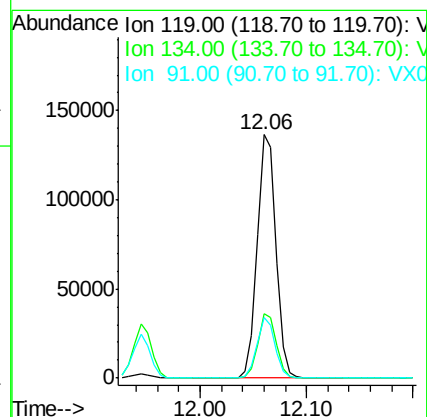
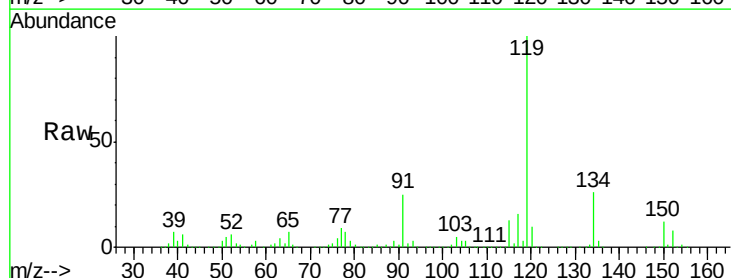
Tgt Ion:119 Resp: 169107

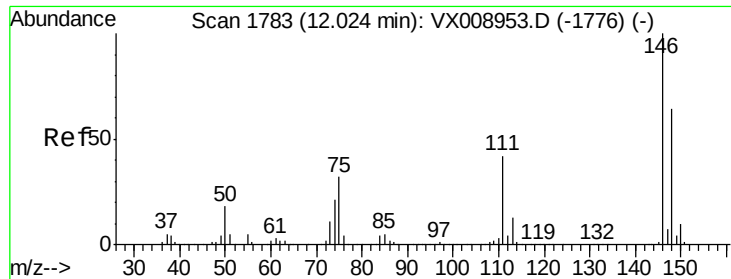
Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.6

91 23.9 11.9 35.5





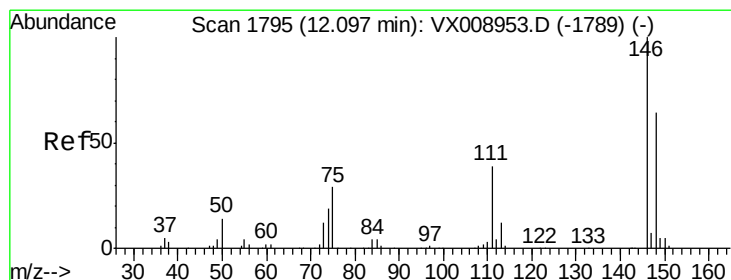
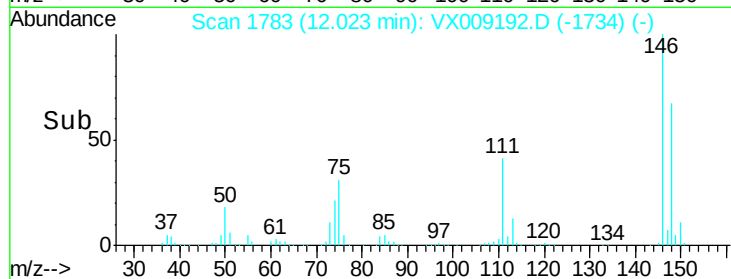
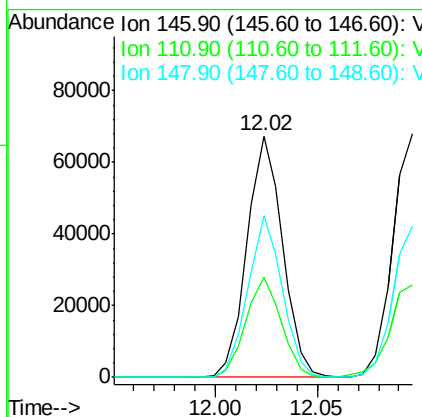
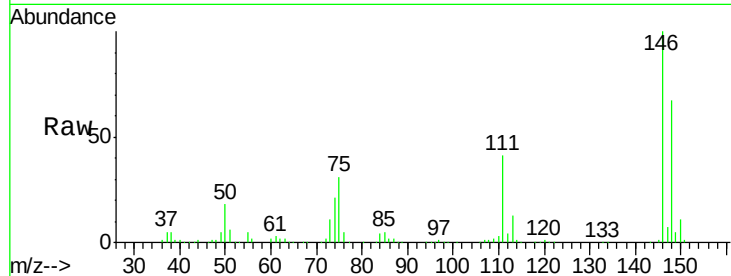
#87
 1,3-Dichlorobenzene
 Concen: 18.286 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009192.D
 Acq: 26 Apr 2019 16:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.5	61.6
148	64.9	32.2	96.6

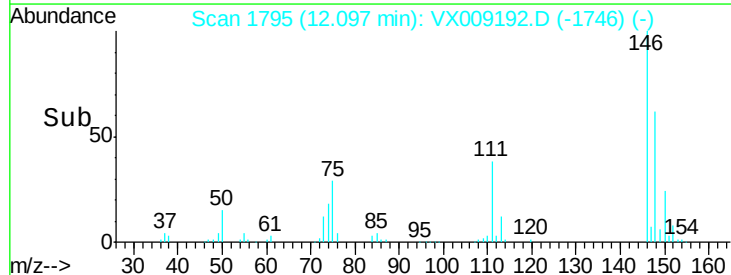
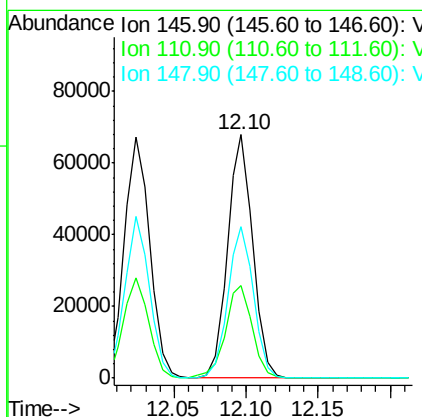
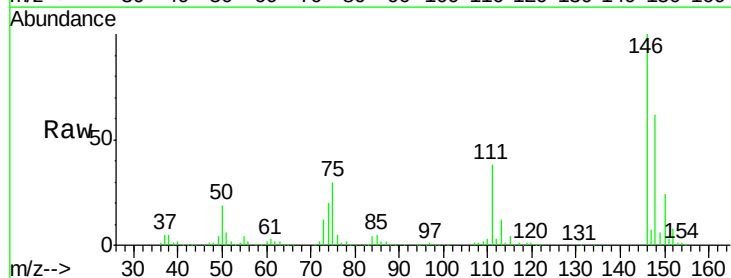
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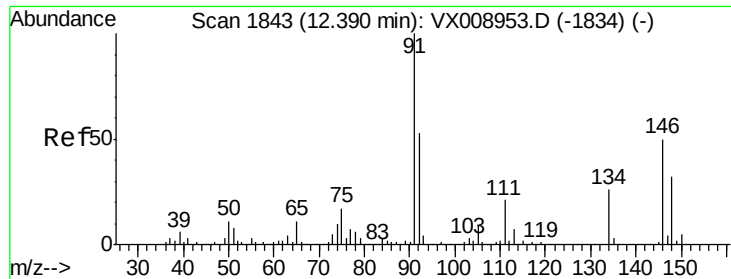
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#88
 1,4-Dichlorobenzene
 Concen: 18.362 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009192.D
 Acq: 26 Apr 2019 16:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.0	59.9
148	63.6	32.2	96.6





#89

n-Butylbenzene

Concen: 17.960 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX009192.D

Acq: 26 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBSD01

Tot Ion: 91 Resp: 149828

Ion Ratio Lower Upper

91 100

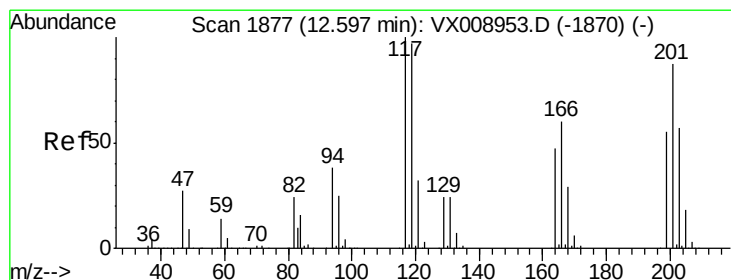
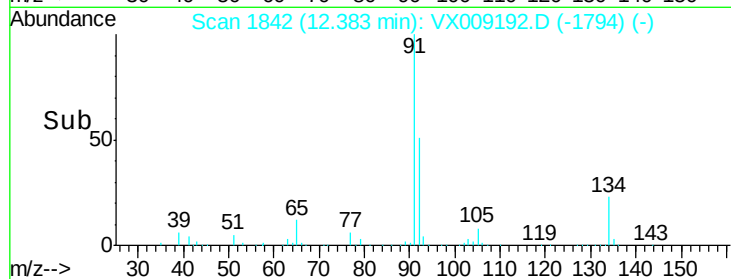
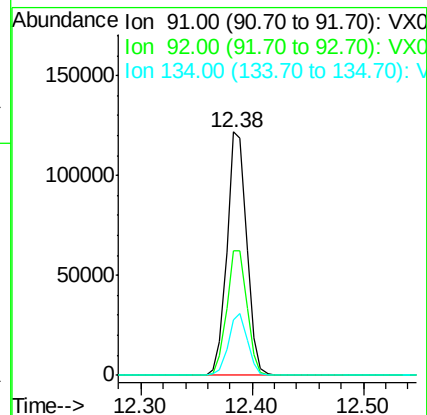
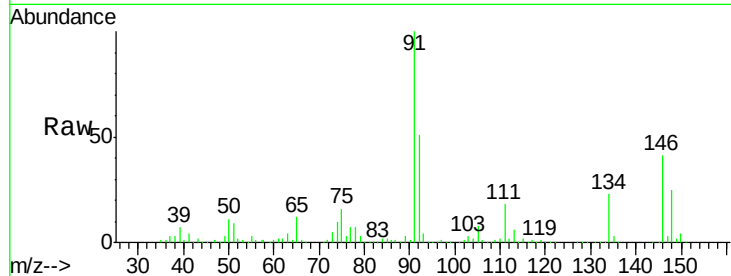
92 52.6 26.6 79.8

134 24.6 12.4 37.2

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#90

Hexachloroethane

Concen: 18.515 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX009192.D

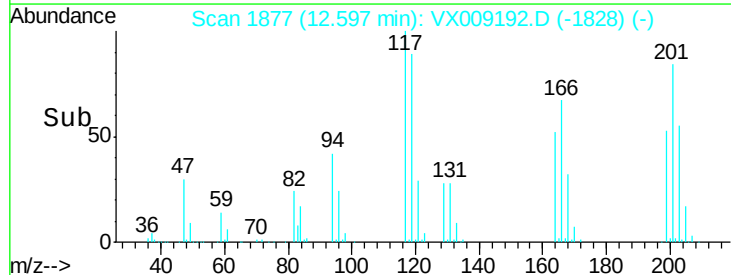
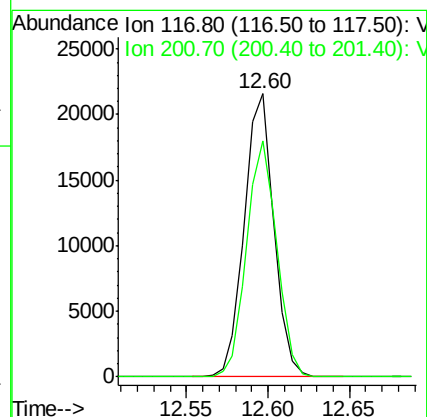
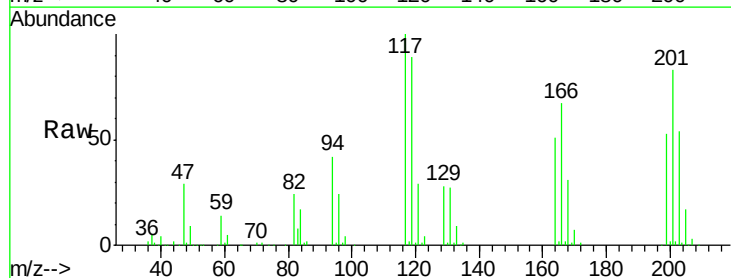
Acq: 26 Apr 2019 16:10

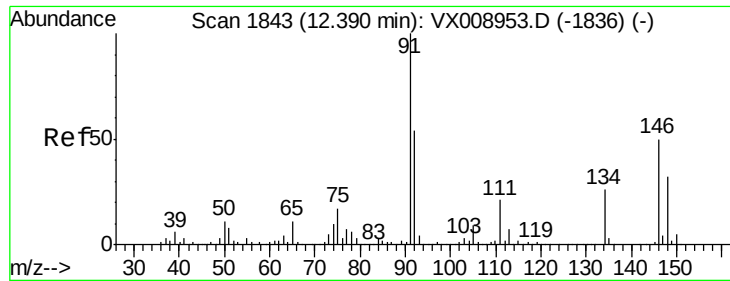
Tgt Ion: 117 Resp: 27357

Ion Ratio Lower Upper

117 100

201 84.7 43.0 129.0





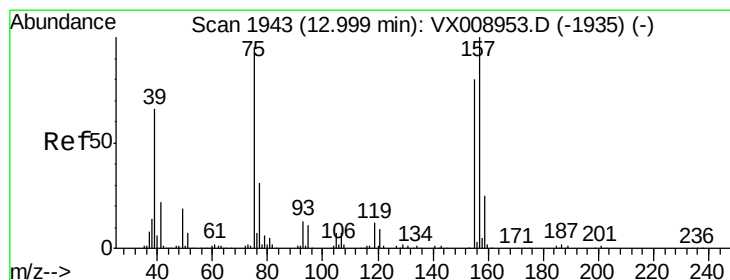
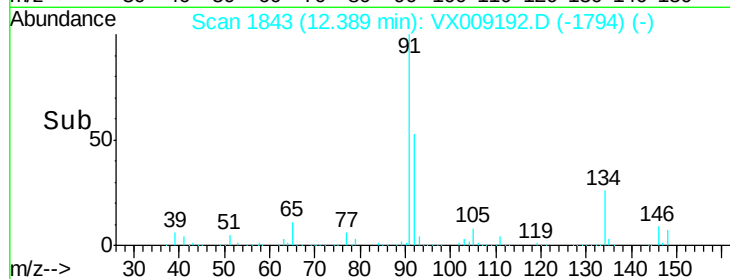
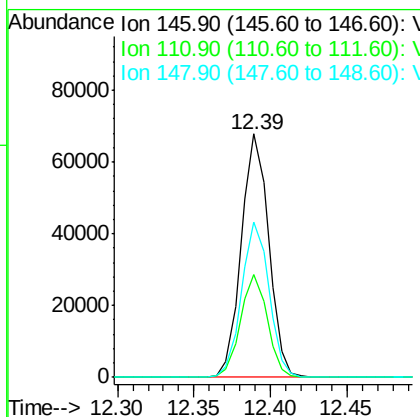
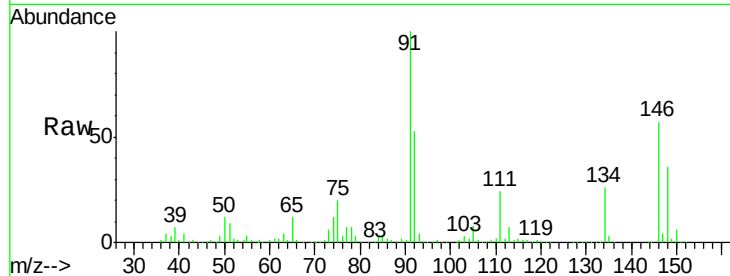
#91
 1,2-Dichlorobenzene
 Concen: 19.129 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009192.D
 Acq: 26 Apr 2019 16:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.6	61.9
148	63.9	32.0	96.2

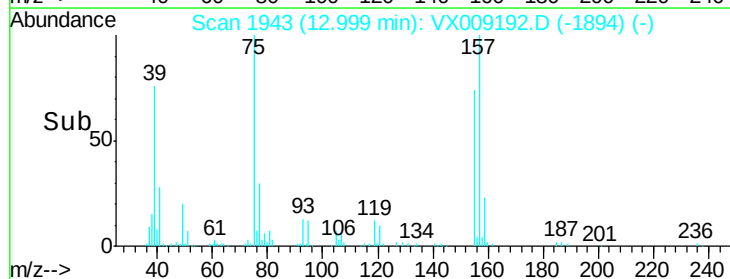
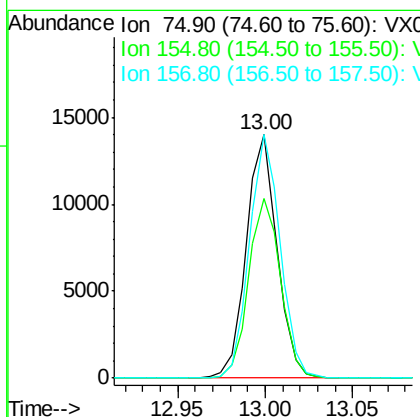
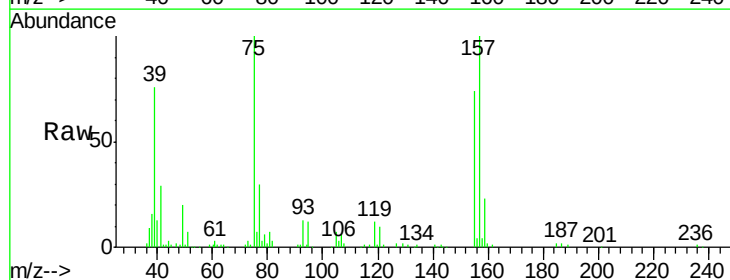
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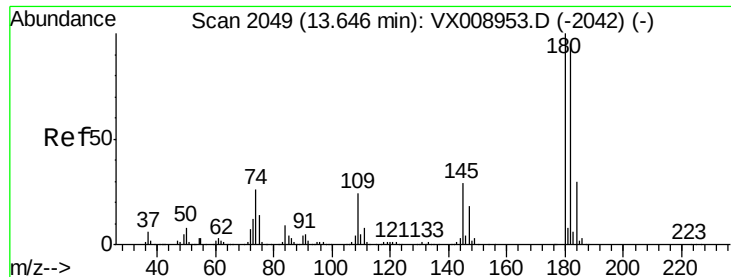
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.203 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009192.D
 Acq: 26 Apr 2019 16:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.7	41.2	123.6
157	100.4	52.5	157.6





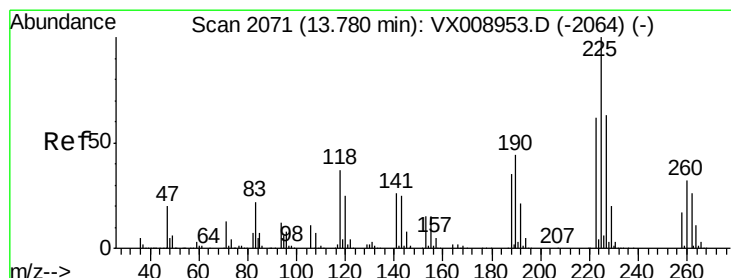
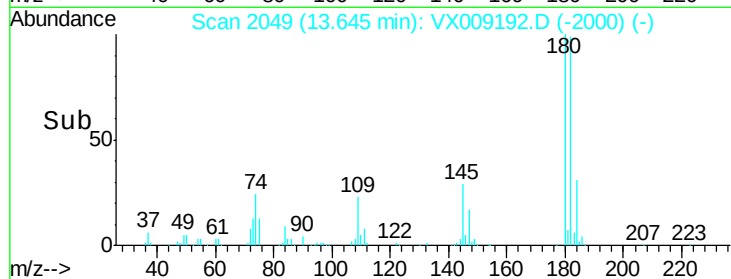
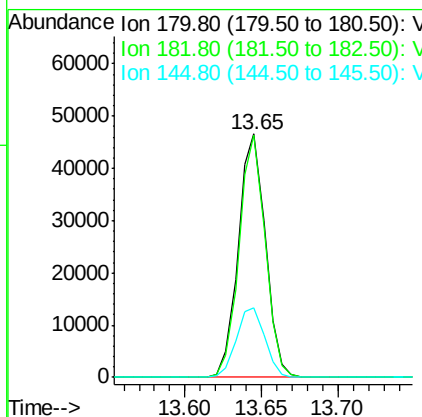
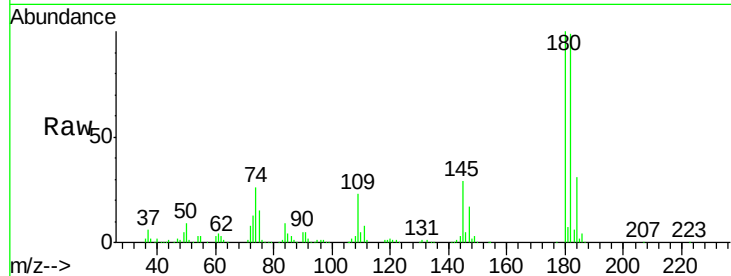
#93
 1,2,4-Trichlorobenzene
 Concen: 17.867 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009192.D
 Acq: 26 Apr 2019 16:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.6	142.9
145	30.0	14.8	44.4

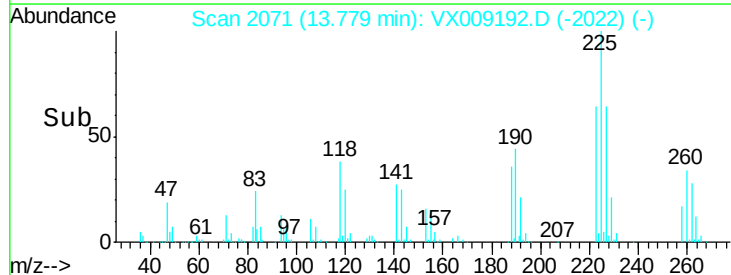
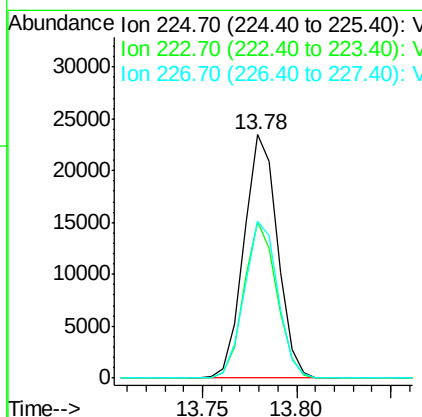
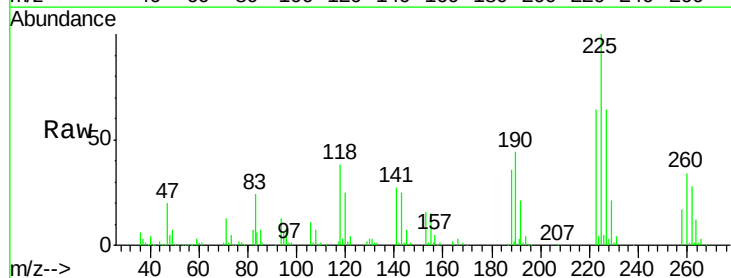
Manual Integrations
 APPROVED

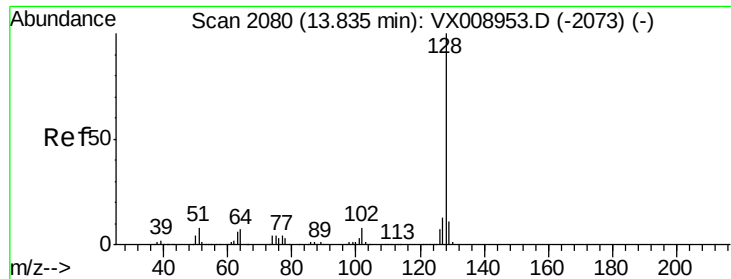
MMDadoda
 4/29/2019 11:25:35 AM



#94
 Hexachlorobutadiene
 Concen: 18.145 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009192.D
 Acq: 26 Apr 2019 16:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.1	93.2
227	64.4	32.0	96.2





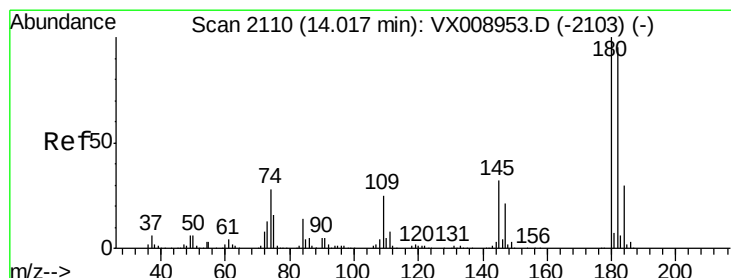
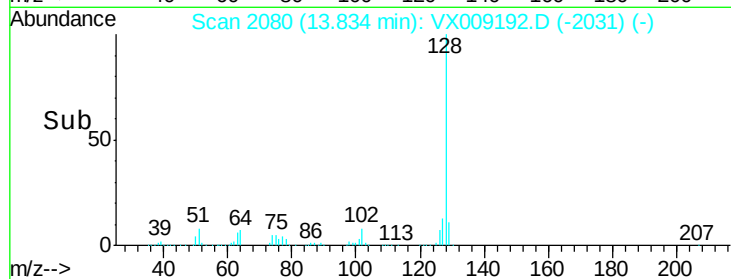
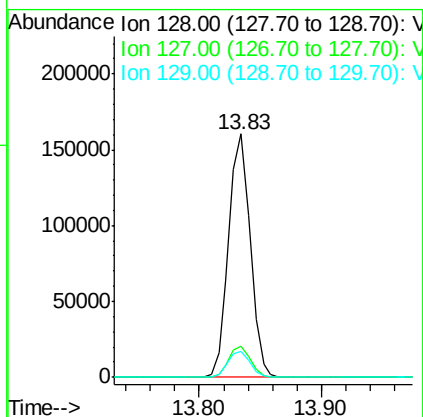
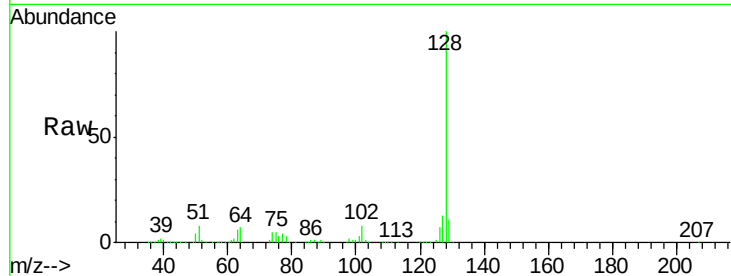
#95
Naphthalene
Concen: 19.226 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009192.D
Acq: 26 Apr 2019 16:10

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	196595		
127	12.8		10.6	16.0
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/29/2019 11:25:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.781 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009192.D
Acq: 26 Apr 2019 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	59145		
182	95.3		47.8	143.4
145	30.8		15.8	47.3

