

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050619\
 Data File : VX009340.D
 Acq On : 06 May 2019 11:11
 Operator : JC/SP
 Sample : VX0506WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0506WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/7/2019 9:41:50 AM

Quant Time: May 07 06:51:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 04 07:18:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	183536	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	286548	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	259653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	126535	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	122638	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
35) Dibromofluoromethane	5.49	113	91668	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
50) Toluene-d8	8.71	98	375106	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	11.13	95	134687	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	29769	17.601	ug/l	100
3) Chloromethane	1.32	50	39903	17.281	ug/l	99
4) Vinyl Chloride	1.40	62	39597	17.586	ug/l	98
5) Bromomethane	1.64	94	23173	17.147	ug/l	96
6) Chloroethane	1.72	64	25359	17.542	ug/l	99
7) Trichlorofluoromethane	1.93	101	51217	18.713	ug/l	99
8) Diethyl Ether	2.18	74	23781	18.343	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	32730	19.043	ug/l	99
10) Methyl Iodide	2.51	142	30920	18.655	ug/l	100
11) Tert butyl alcohol	3.04	59	47738	82.313	ug/l	98
12) 1,1-Dichloroethene	2.37	96	32171	18.681	ug/l	93
13) Acrolein	2.29	56	30139	57.383	ug/l	95
14) Allyl chloride	2.73	41	72913	17.374	ug/l	98
15) Acrylonitrile	3.14	53	124290	87.649	ug/l	99
16) Acetone	2.44	43	116852	86.856	ug/l	100
17) Carbon Disulfide	2.57	76	81682	16.894	ug/l	99
18) Methyl Acetate	2.77	43	55384	17.310	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	123184	18.420	ug/l	97
20) Methylene Chloride	2.85	84	37802	17.354	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	33622	18.003	ug/l	97
22) Diisopropyl ether	3.85	45	149889	18.572	ug/l	92
23) Vinyl Acetate	3.81	43	639049	92.466	ug/l	100
24) 1,1-Dichloroethane	3.70	63	71503	17.959	ug/l	99
25) 2-Butanone	4.67	43	183149	87.605	ug/l	99
26) 2,2-Dichloropropane	4.57	77	54741	18.471	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	40741	18.276	ug/l	98
28) Bromochloromethane	5.01	49	30034	16.926	ug/l	99
29) Tetrahydrofuran	5.12	42	118031	87.735	ug/l	100
30) Chloroform	5.21	83	65765	18.263	ug/l	99
31) Cyclohexane	5.57	56	68126	18.391	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	54155	18.066	ug/l	99
36) 1,1-Dichloropropene	5.80	75	49333	18.526	ug/l	99
37) Ethyl Acetate	4.82	43	66693	17.975	ug/l	98
38) Carbon Tetrachloride	5.78	117	45988	19.008	ug/l	99

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MMDadoda
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Quant Time: May 07 06:51:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 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	62019	18.964	ug/l	97
40) Benzene	6.13	78	154355	18.729	ug/l	99
41) Methacrylonitrile	5.03	41	39125	17.715	ug/l	98
42) 1,2-Dichloroethane	6.19	62	56057	18.962	ug/l	99
43) Isopropyl Acetate	6.44	43	109468	18.445	ug/l	100
44) Trichloroethene	7.21	130	37039	18.591	ug/l	97
45) 1,2-Dichloropropane	7.51	63	43793	18.766	ug/l	99
46) Dibromomethane	7.66	93	24936	18.401	ug/l	99
47) Bromodichloromethane	7.89	83	50981	18.860	ug/l	94
48) Methyl methacrylate	7.76	41	53196	18.067	ug/l	99
49) 1,4-Dioxane	7.74	88	19793	331.478	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	351956	90.732	ug/l	100
52) Toluene	8.78	92	94766	18.917	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	57765	18.928	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	64170	18.997	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	38725	18.948	ug/l	95
56) Ethyl methacrylate	9.18	69	67375	18.468	ug/l	99
57) 1,3-Dichloropropane	9.37	76	68198	18.962	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	179505	92.748	ug/l	99
59) 2-Hexanone	9.49	43	273883	89.899	ug/l	99
60) Dibromochloromethane	9.58	129	37869	18.971	ug/l	98
61) 1,2-Dibromoethane	9.67	107	39615	19.202	ug/l	97
64) Tetrachloroethene	9.34	164	35677	20.031	ug/l	93
65) Chlorobenzene	10.13	112	96990	18.673	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	35628	18.920	ug/l	99
67) Ethyl Benzene	10.25	91	178544	18.677	ug/l	99
68) m/p-Xylenes	10.35	106	132593	37.956	ug/l	99
69) o-Xylene	10.69	106	63048	18.293	ug/l	97
70) Styrene	10.71	104	111971	18.691	ug/l	98
71) Bromoform	10.85	173	27990	18.290	ug/l	99
73) Isopropylbenzene	11.02	105	173320	18.836	ug/l	99
74) N-amyl acetate	10.90	43	95096	17.727	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	62156	18.120	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	54808m	18.673	ug/l	
77) Bromobenzene	11.25	156	42310	18.526	ug/l	99
78) n-propylbenzene	11.36	91	200548	19.084	ug/l	100
79) 2-Chlorotoluene	11.42	91	119822	18.482	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	149132	19.249	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	20391	17.775	ug/l	99
82) 4-Chlorotoluene	11.51	91	135799	18.541	ug/l	100
83) tert-Butylbenzene	11.77	119	142511	18.908	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	149514	19.226	ug/l	99
85) sec-Butylbenzene	11.94	105	172264	19.279	ug/l	100
86) p-Isopropyltoluene	12.06	119	158303	19.707	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	76466	18.781	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	76998	18.759	ug/l	99
89) n-Butylbenzene	12.38	91	140487	19.349	ug/l	100
90) Hexachloroethane	12.60	117	25477	18.616	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	76304	18.400	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13857	18.008	ug/l	97

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Instrument :
MSVOA_X
ClientSampleId :
VX0506WBS01

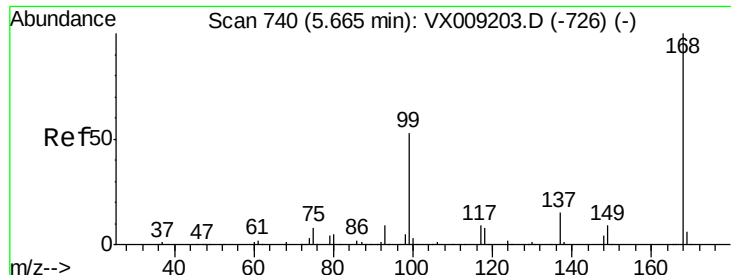
Manual Integrations
APPROVED

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5/7/2019 9:41:50 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Sat May 04 07:18:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	56278	19.846	ug/l	97
94) Hexachlorobutadiene	13.78	225	27926	19.284	ug/l	98
95) Naphthalene	13.83	128	178276	19.323	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	57389	19.965	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0506WBS01

Tot Ion:168 Resp: 183536

Ion Ratio Lower Upper

168 100

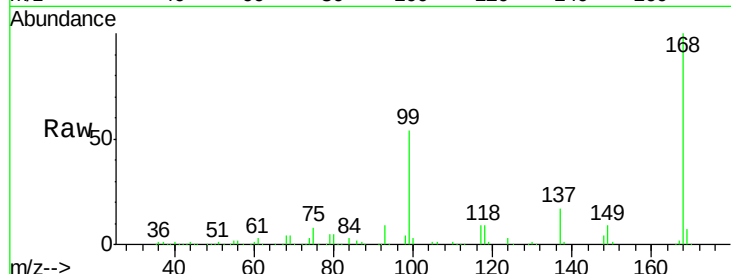
99 54.1 42.3 63.5

Manual Integrations

APPROVED

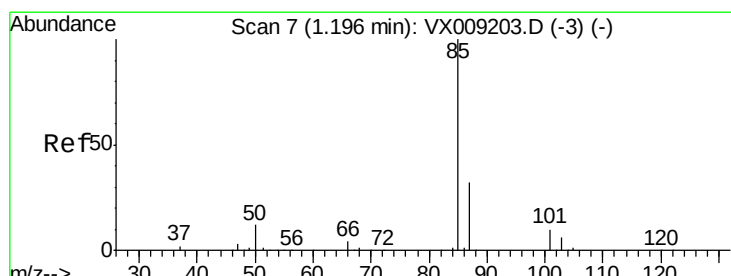
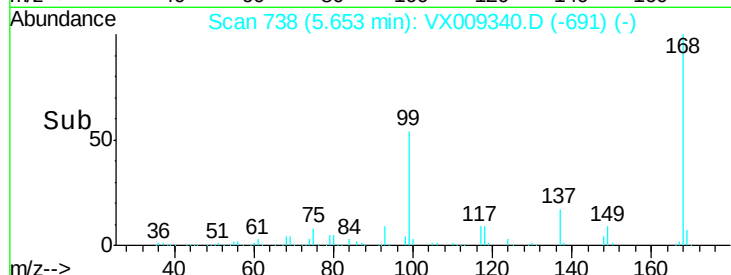
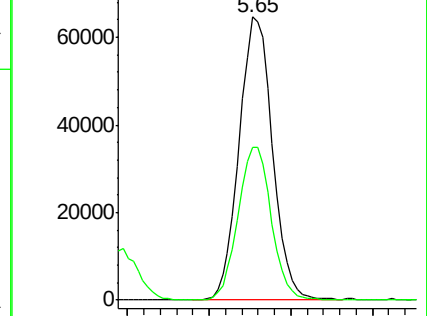
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5/7/2019 9:41:50 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.601 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009340.D

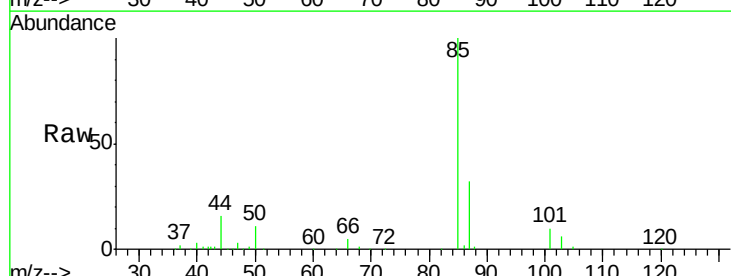
Acq: 06 May 2019 11:11

Tgt Ion: 85 Resp: 29769

Ion Ratio Lower Upper

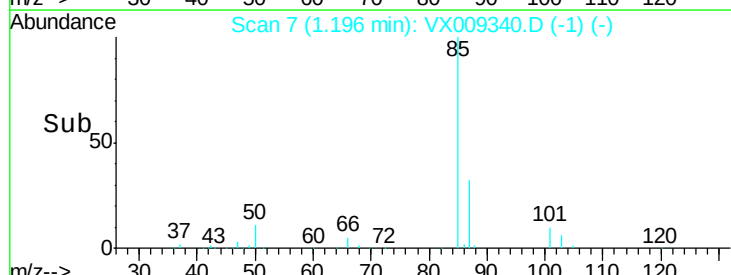
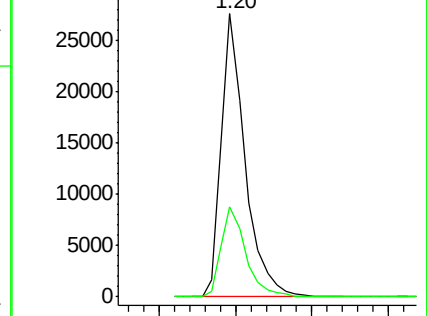
85 100

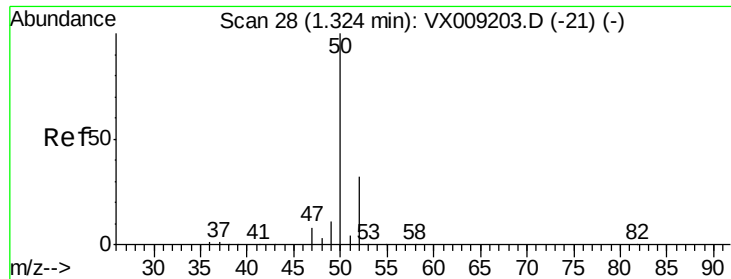
87 31.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.281 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0506WBS01

Tot Ion: 50 Resp: 39903

Ion Ratio Lower Upper

50 100

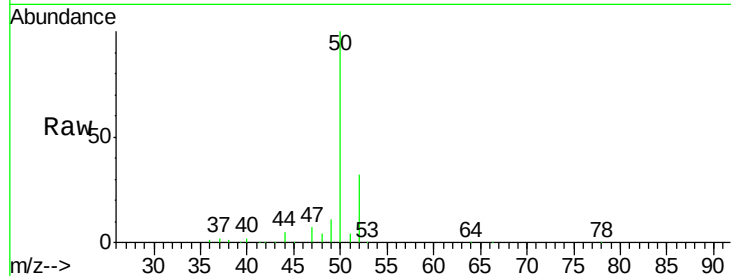
52 31.7 25.9 38.9

Manual Integrations

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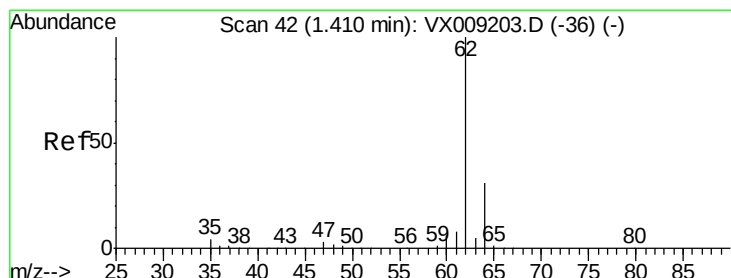
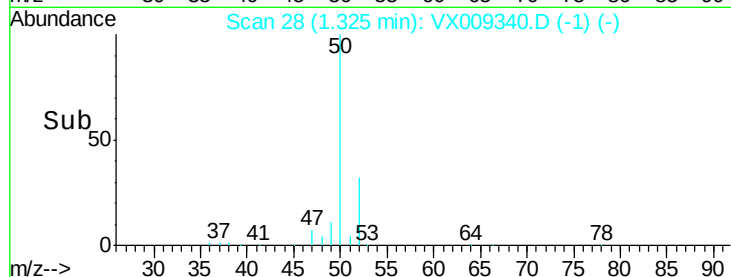
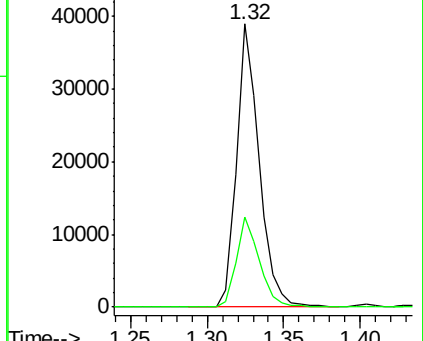
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.586 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009340.D

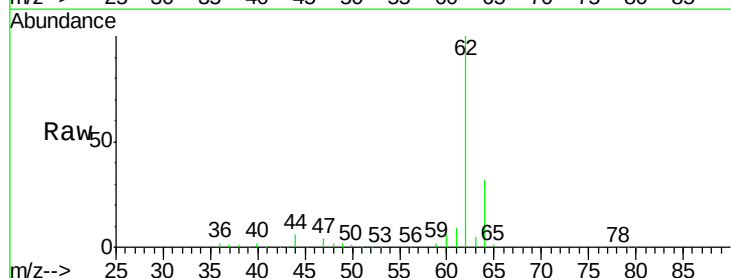
Acq: 06 May 2019 11:11

Tgt Ion: 62 Resp: 39597

Ion Ratio Lower Upper

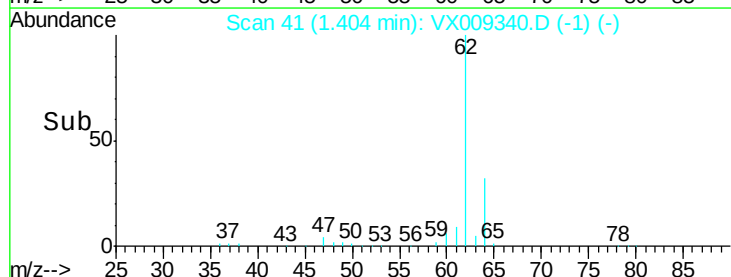
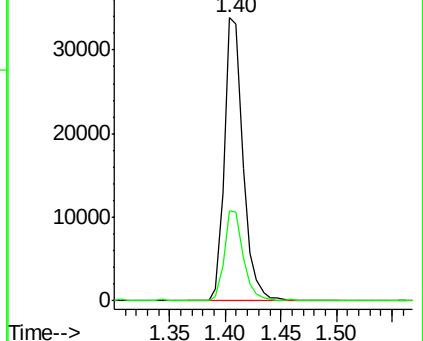
62 100

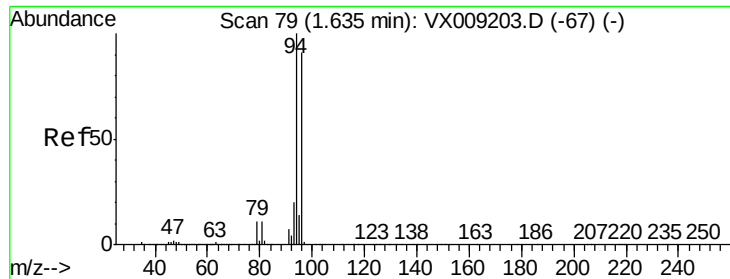
64 31.7 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.147 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0506WBS01

Tot Ion: 94 Resp: 23173

Ion Ratio Lower Upper

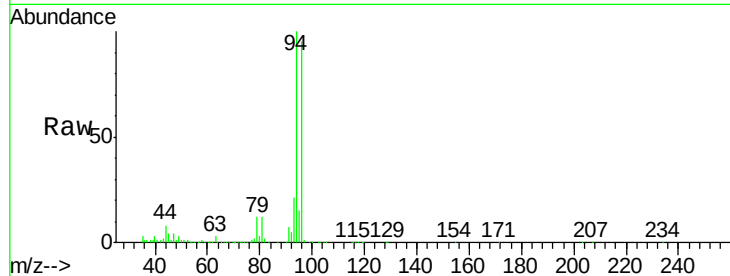
94 100

96 95.4 73.0 109.6

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

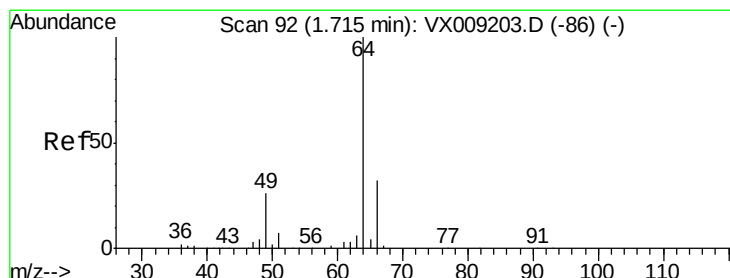
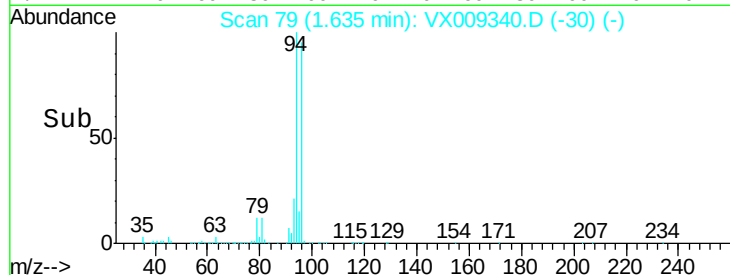
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 17.542 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009340.D

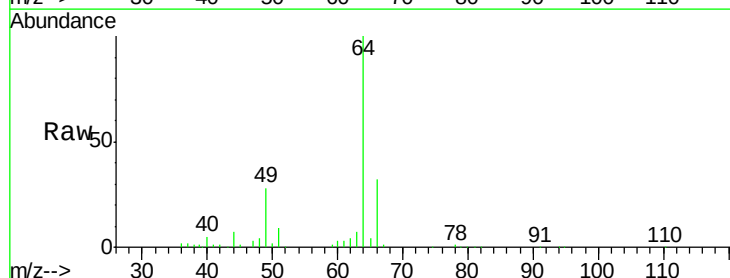
Acq: 06 May 2019 11:11

Tgt Ion: 64 Resp: 25359

Ion Ratio Lower Upper

64 100

66 32.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

20000

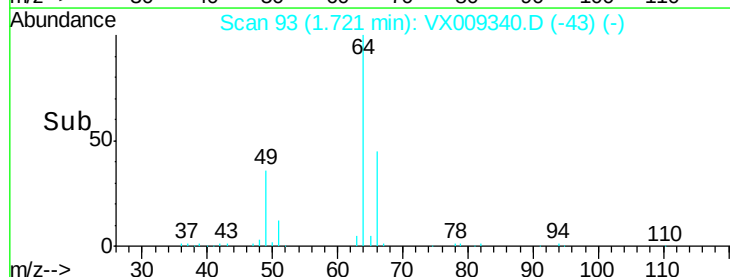
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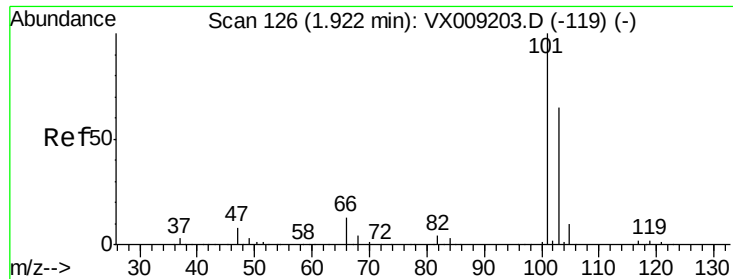
10000

5000

0

Time-->





#7

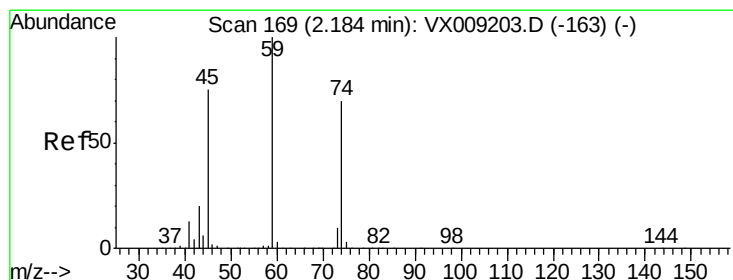
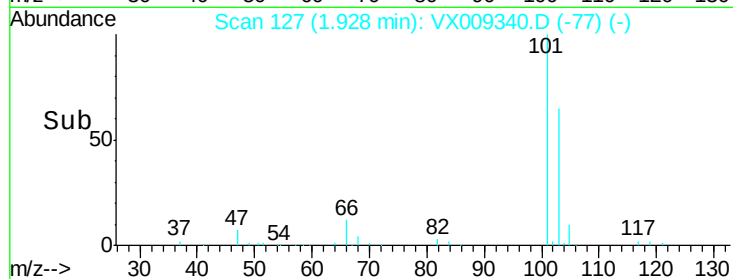
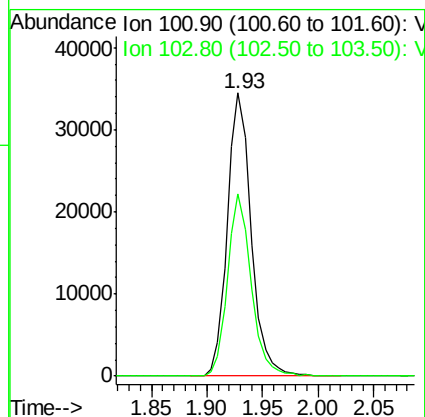
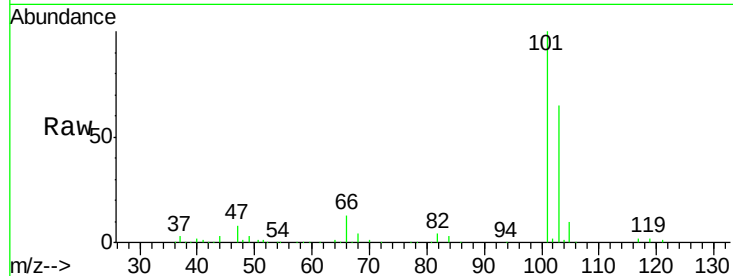
Trichlorofluoromethane
Concen: 18.713 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Instrument :
MSVOA_X
ClientSampleId :
VX0506WBS01

Tot Ion:101 Resp: 51217
Ion Ratio Lower Upper
101 100
103 64.6 52.4 78.6

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APPROVED

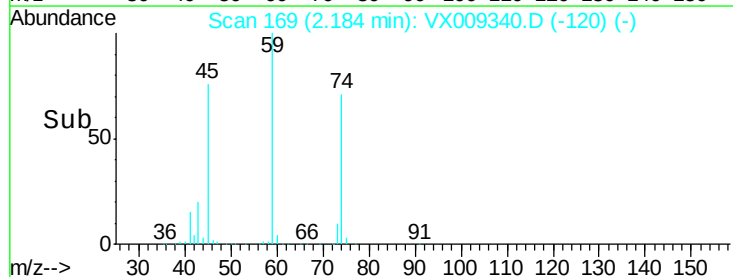
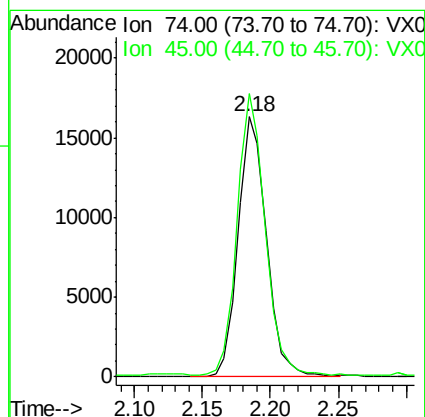
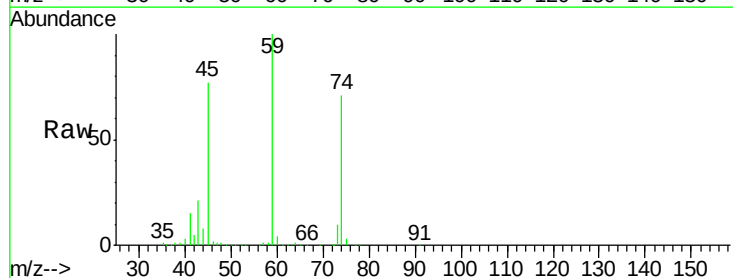
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5/7/2019 9:41:50 AM

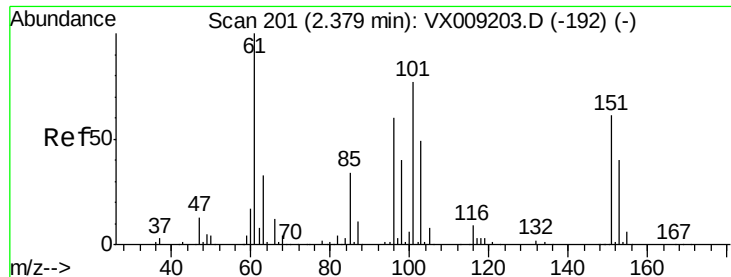


#8

Diethyl Ether
Concen: 18.343 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Tgt Ion: 74 Resp: 23781
Ion Ratio Lower Upper
74 100
45 106.4 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.043 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Instrument :

MSVOA_X

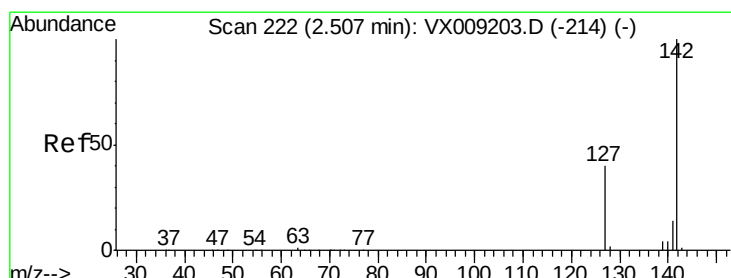
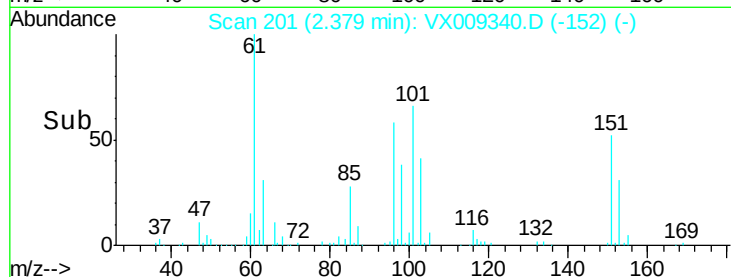
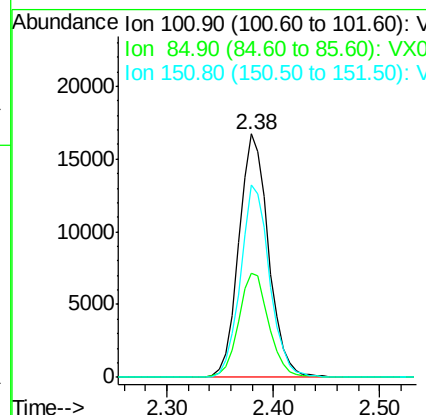
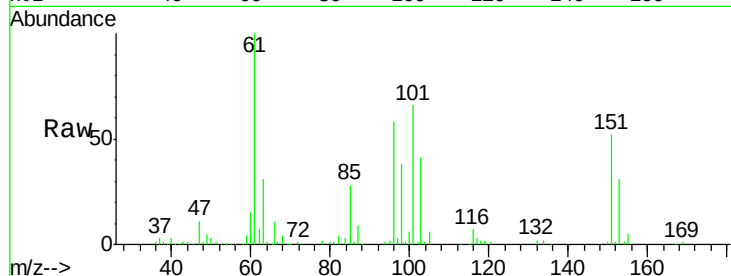
ClientSampleId :

VX0506WBS01

Tot Ion:	101	Resp:	32730
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.7	53.5
151	77.7	62.2	93.2

Manual Integrations
APPROVED

MMDadoda
5/7/2019 9:41:50 AM



#10

Methyl Iodide

Concen: 18.655 ug/l

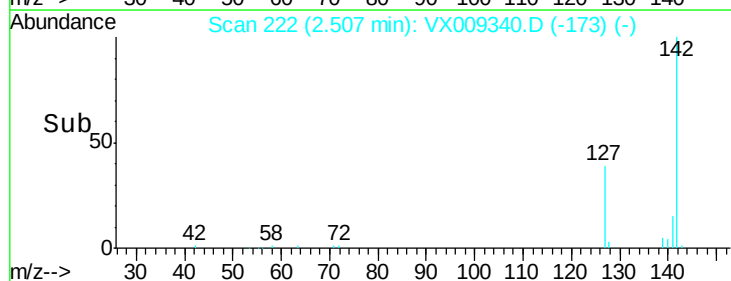
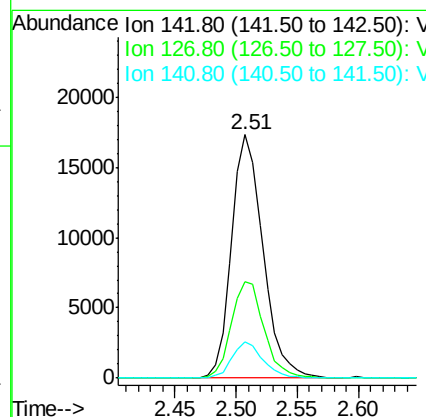
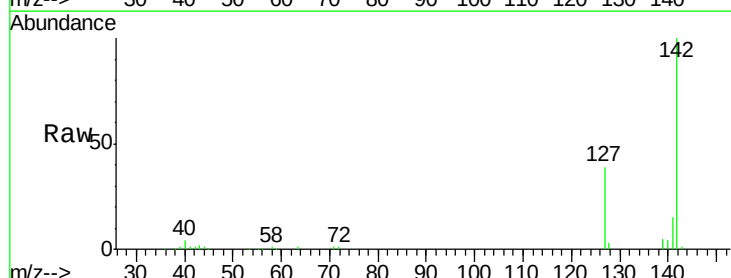
RT: 2.51 min Scan# 222

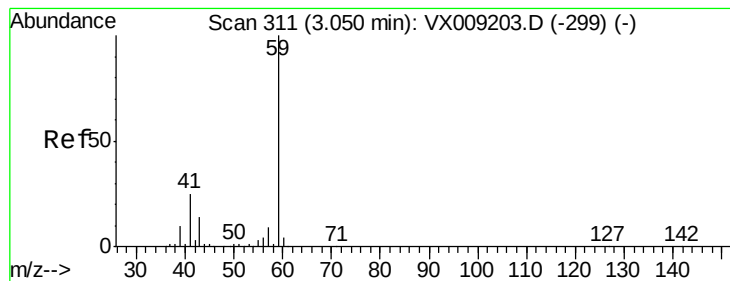
Delta R.T. 0.00 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Tgt Ion:	142	Resp:	30920
Ion Ratio	Lower	Upper	
142	100		
127	40.8	32.7	49.1
141	14.6	11.5	17.3





#11

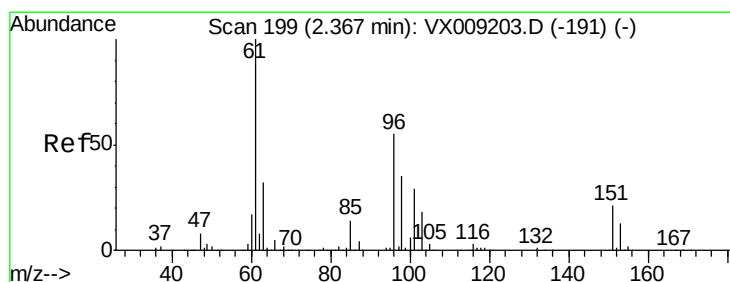
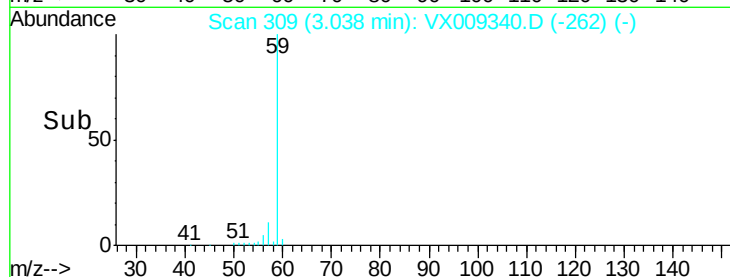
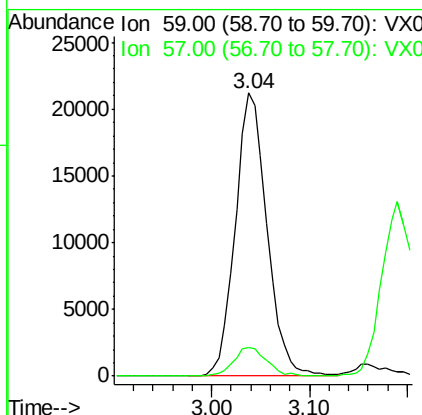
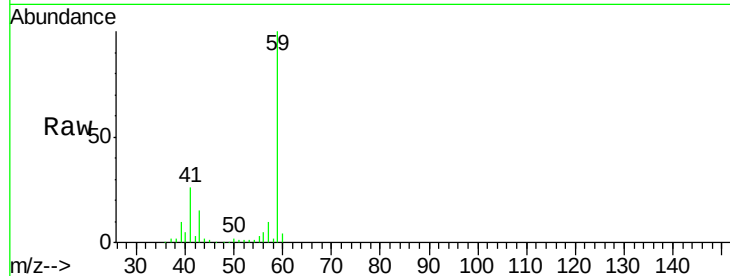
Tert butyl alcohol
 Concen: 82.313 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.01 min
 Lab File: VX009340.D
 Acq: 06 May 2019 11:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0506WBS01

Tot Ion	59	Resp	47738
Ion Ratio	100	Lower	Upper
57	10.8	8.2	12.2

Manual Integrations
 APPROVED

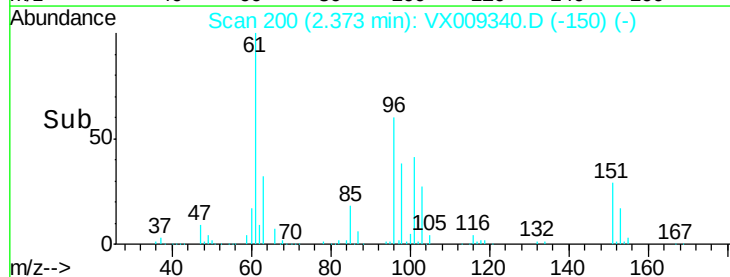
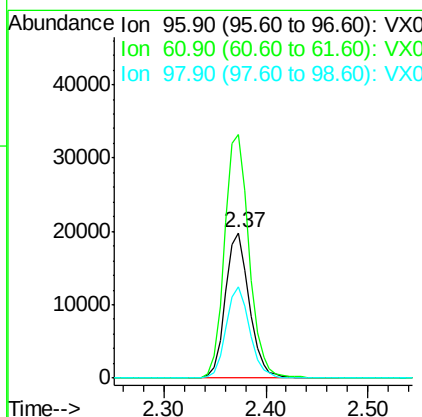
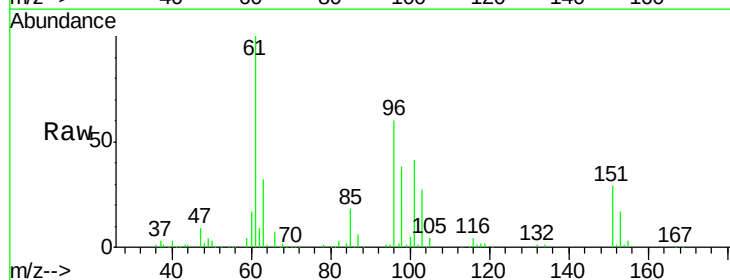
MMDadoda
 5/7/2019 9:41:50 AM

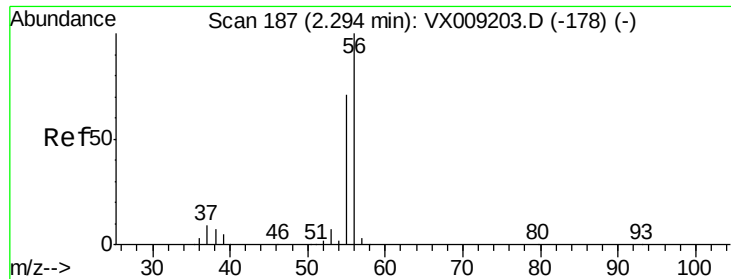


#12

1,1-Dichloroethene
 Concen: 18.681 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX009340.D
 Acq: 06 May 2019 11:11

Tgt Ion	96	Resp	32171
Ion Ratio	100	Lower	Upper
61	167.3	144.3	216.5
98	63.0	50.3	75.5





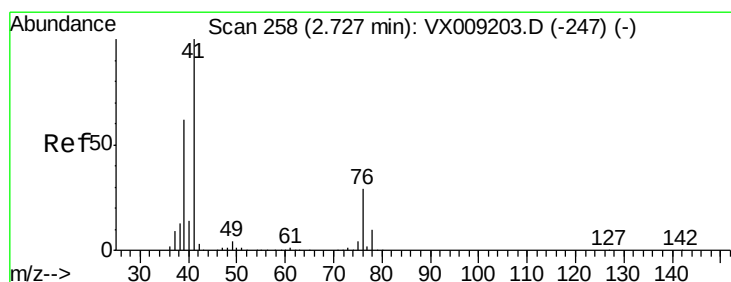
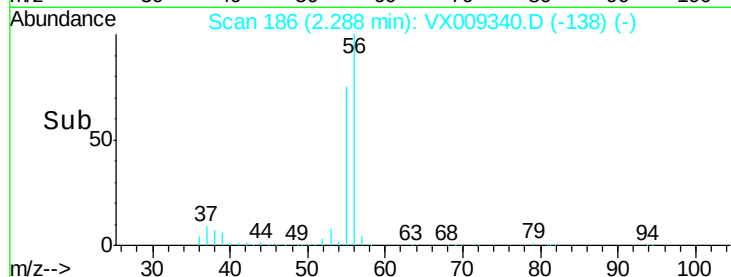
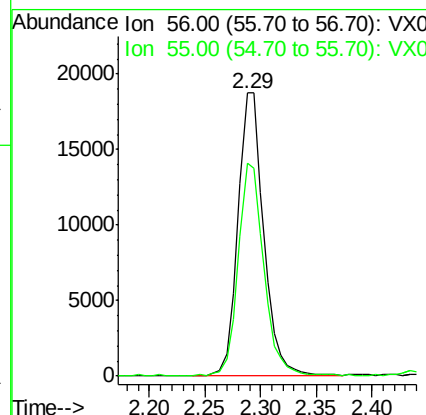
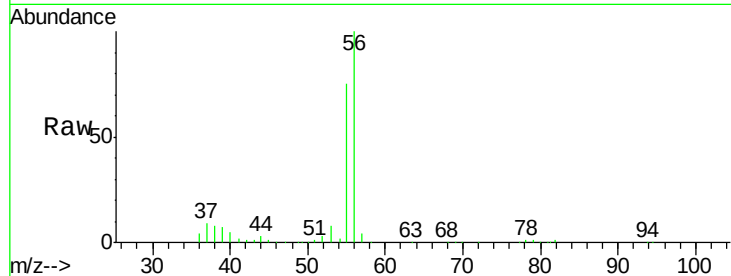
#13
Acrolein
Concen: 57.383 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Instrument :
MSVOA_X
ClientSampleId :
VX0506WBS01

Tot Ion	56	Resp	30139
Ion Ratio	100	Lower	Upper
55	75.3	56.6	85.0

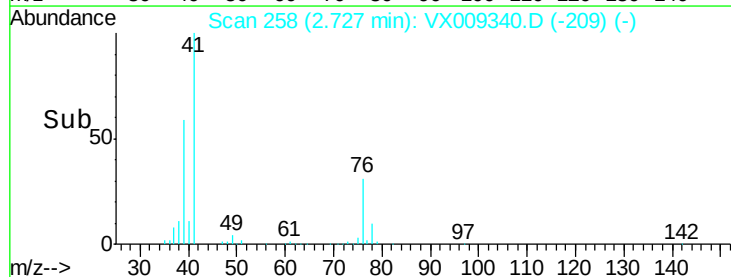
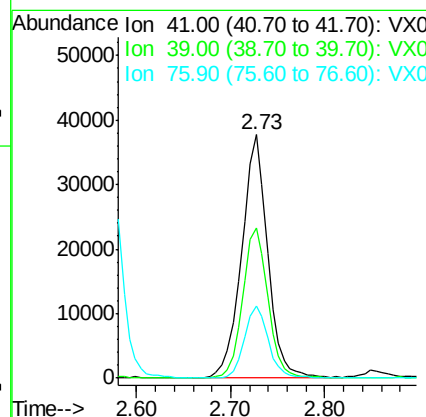
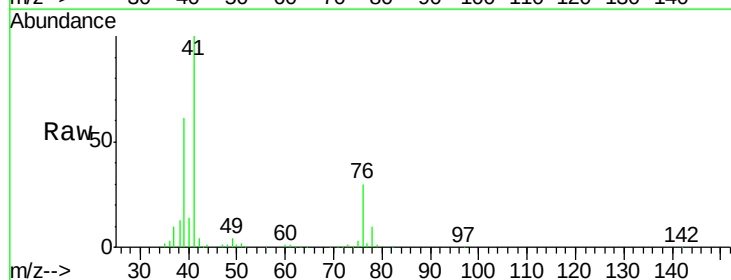
Manual Integrations
APPROVED

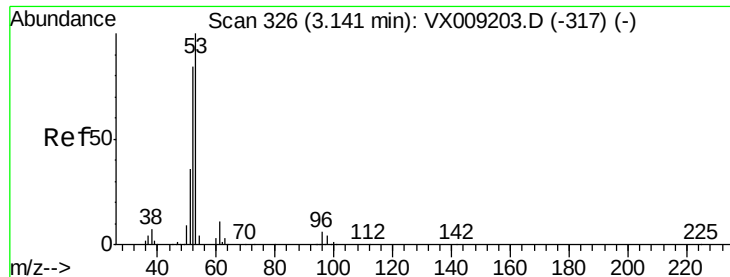
MMDadoda
5/7/2019 9:41:50 AM



#14
Allyl chloride
Concen: 17.374 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Tgt Ion	41	Resp	72913
Ion Ratio	100	Lower	Upper
39	60.3	46.7	70.1
76	27.5	21.8	32.8





#15

Acrylonitrile

Concen: 87.649 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Instrument :

MSVOA_X

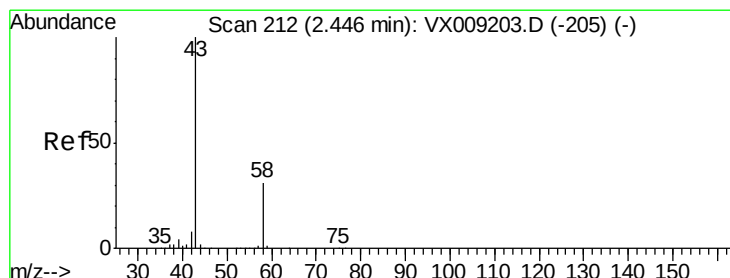
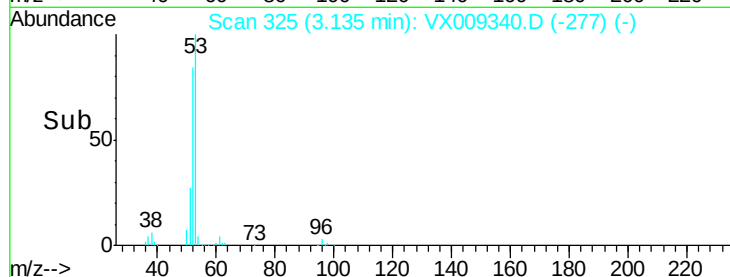
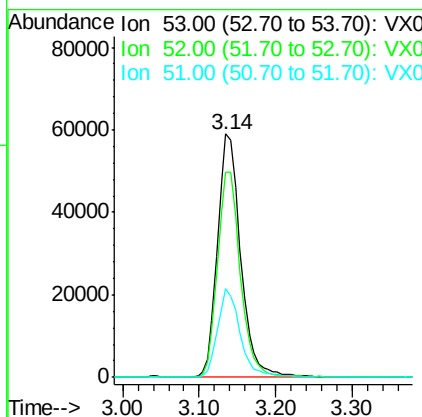
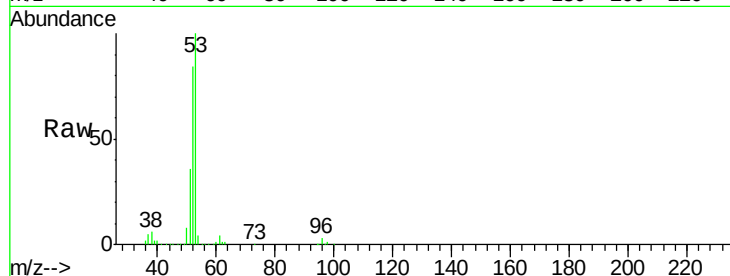
ClientSampleId :

VX0506WBS01

Tot Ion:	53	Resp:	124290
Ion Ratio		Lower	Upper
53	100		
52	83.2	66.9	100.3
51	35.7	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
5/7/2019 9:41:50 AM



#16

Acetone

Concen: 86.856 ug/l

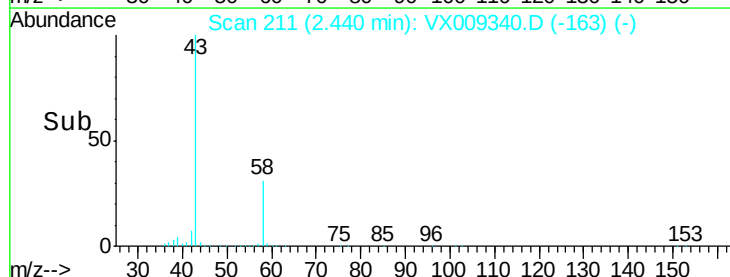
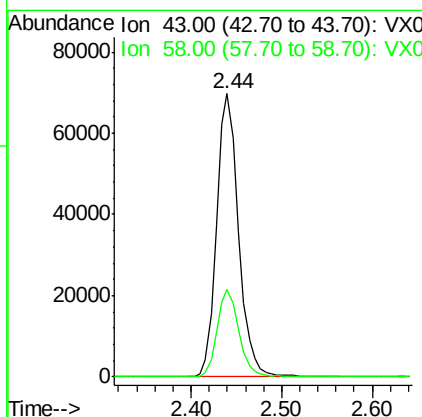
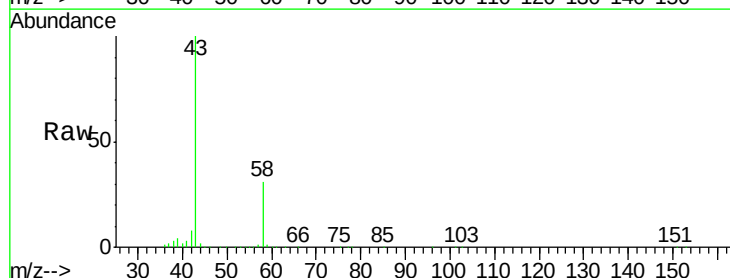
RT: 2.44 min Scan# 211

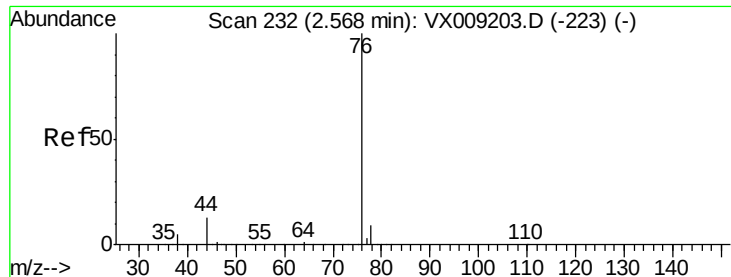
Delta R.T. -0.01 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Tgt Ion:	43	Resp:	116852
Ion Ratio		Lower	Upper
43	100		
58	30.9	24.9	37.3





#17

Carbon Disulfide

Concen: 16.894 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0506WBS01

Tot Ion: 76 Resp: 81682

Ion Ratio Lower Upper

76 100

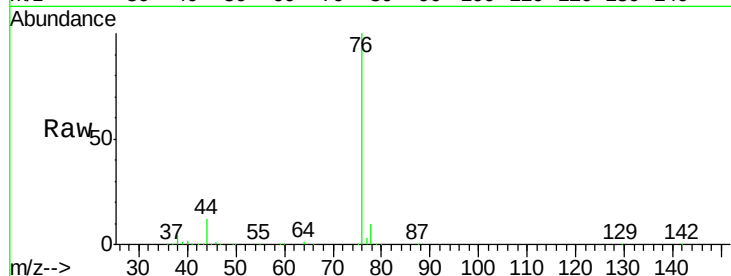
78 9.5 7.4 11.0

Manual Integrations

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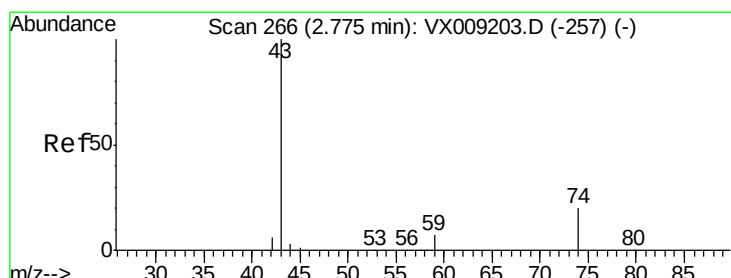
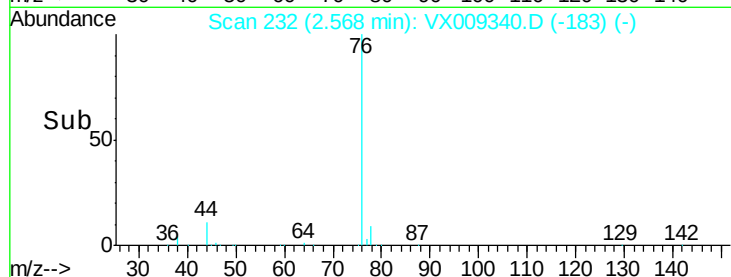
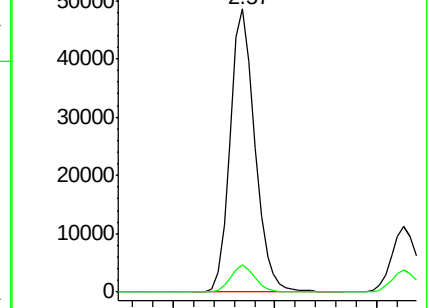
MMDadoda

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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: 17.310 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009340.D

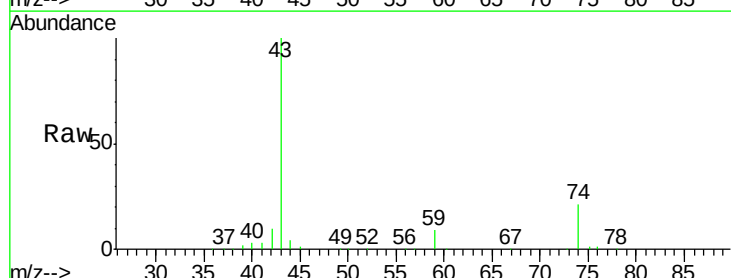
Acq: 06 May 2019 11:11

Tgt Ion: 43 Resp: 55384

Ion Ratio Lower Upper

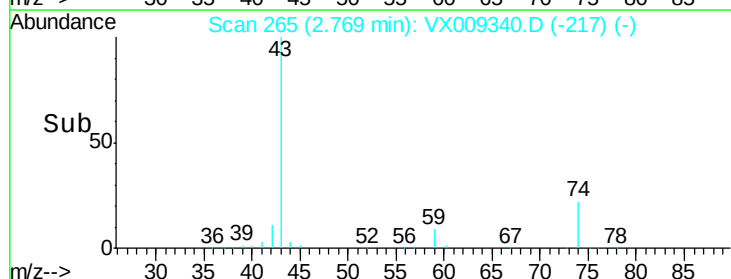
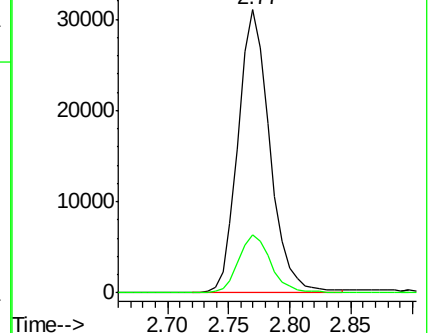
43 100

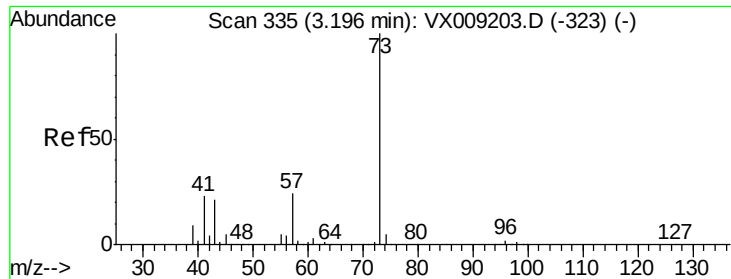
74 21.2 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





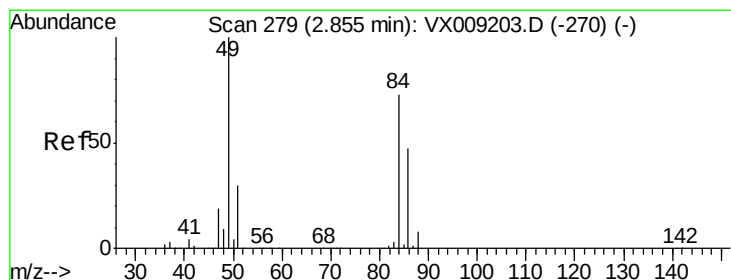
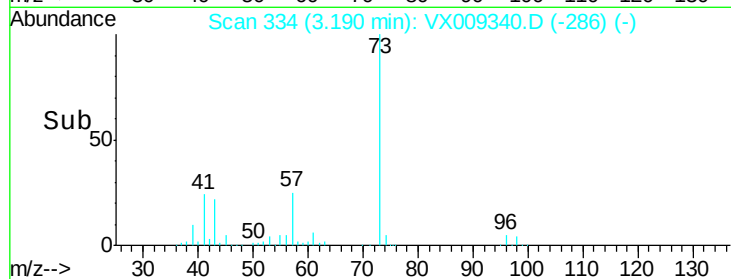
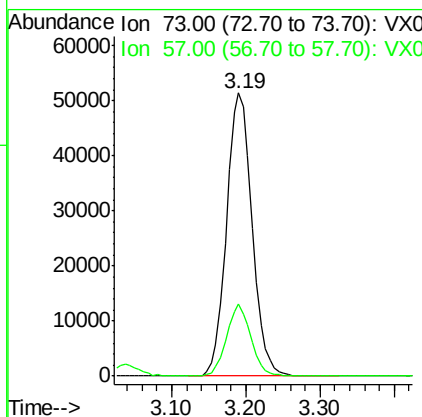
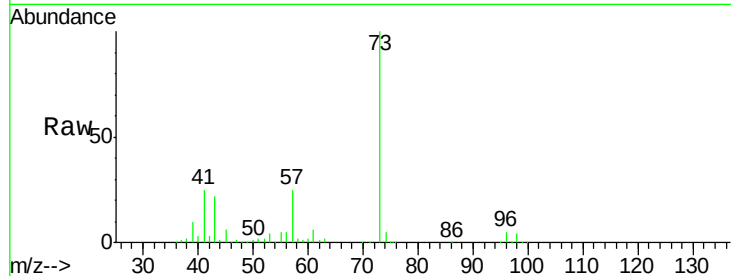
#19
Methyl tert-butyl Ether
Concen: 18.420 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Instrument :
MSVOA_X
ClientSampled :
VX0506WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.4	19.3	28.9

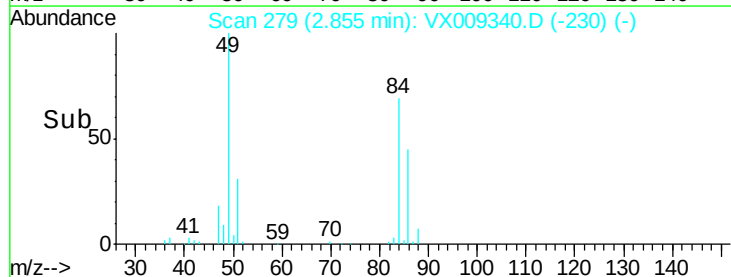
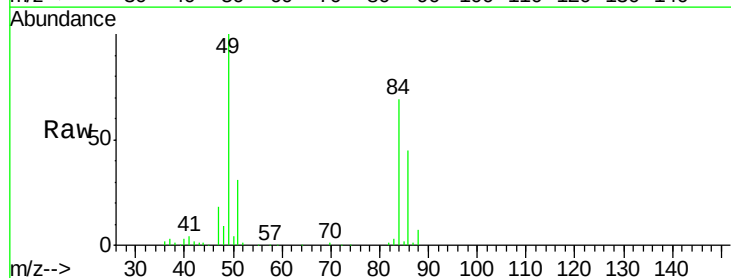
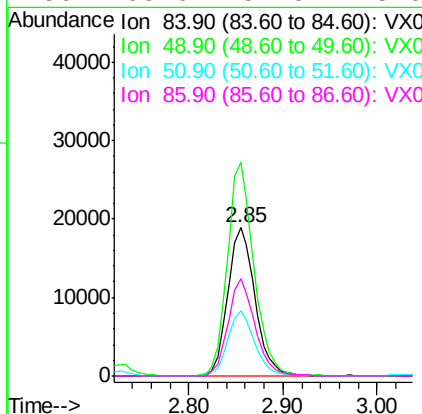
Manual Integrations
APPROVED

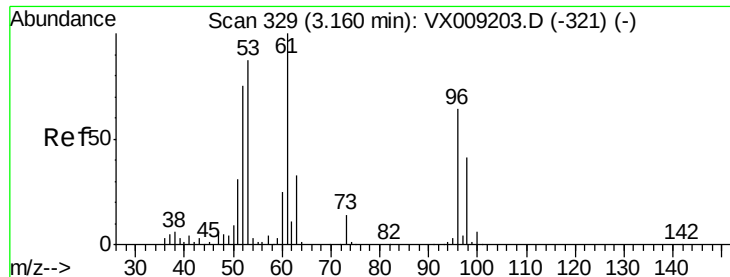
MMDadoda
5/7/2019 9:41:50 AM



#20
Methylene Chloride
Concen: 17.354 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.9	109.9	164.9
51	44.4	32.7	49.1
86	65.6	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 18.003 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Instrument :

MSVOA_X

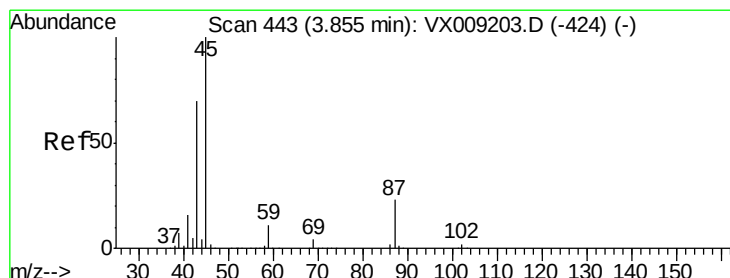
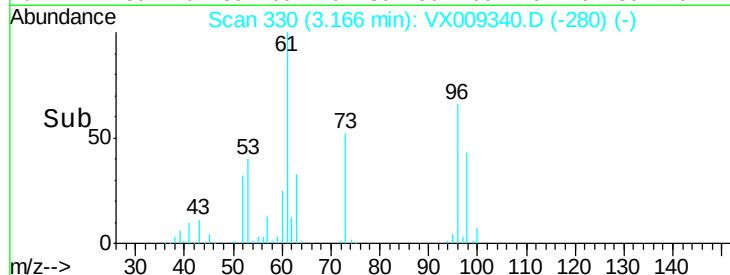
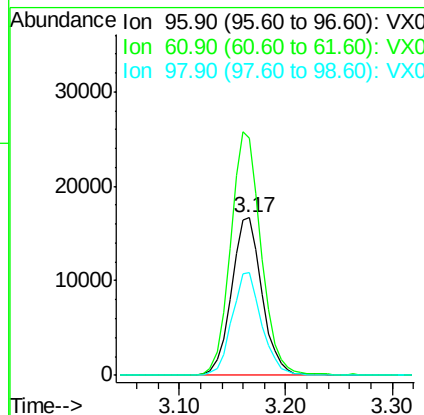
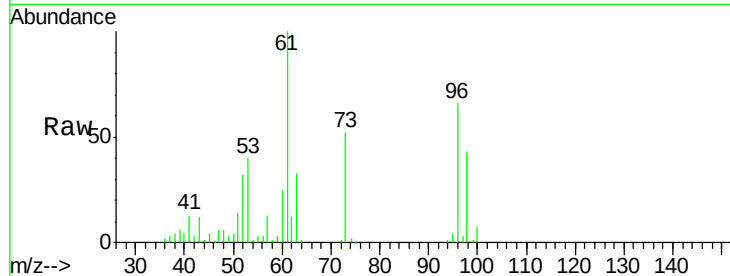
ClientSampleId :

VX0506WBS01

Tot Ion:	96	Resp:	33622
Ion	Ratio	Lower	Upper
96	100		
61	151.1	124.5	186.7
98	64.9	50.4	75.6

Manual Integrations
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MMDadoda
5/7/2019 9:41:50 AM



#22

Diisopropyl ether

Concen: 18.572 ug/l

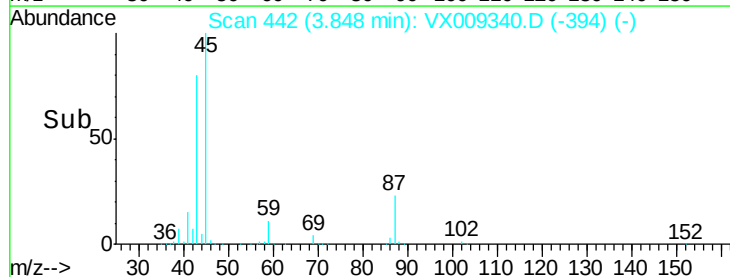
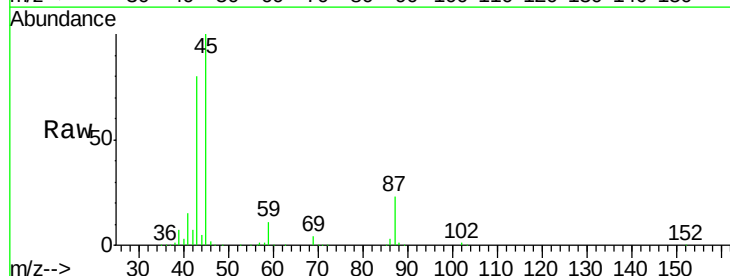
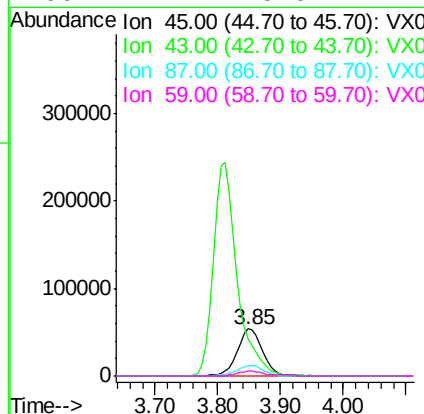
RT: 3.85 min Scan# 442

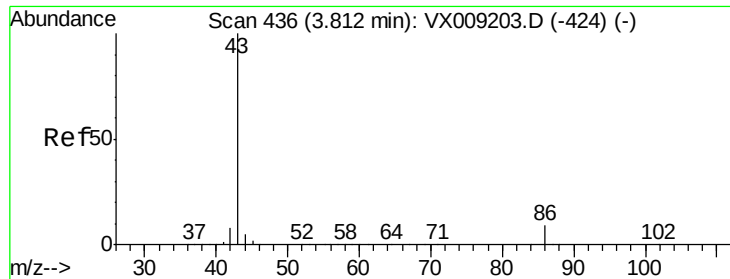
Delta R.T. -0.01 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Tgt Ion:	45	Resp:	149889
Ion	Ratio	Lower	Upper
45	100		
43	79.8	56.1	84.1
87	22.7	18.1	27.1
59	11.1	8.5	12.7





#23

Vinyl Acetate

Concen: 92.466 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0506WBS01

Tot Ion: 43 Resp: 639049

Ion Ratio Lower Upper

43 100

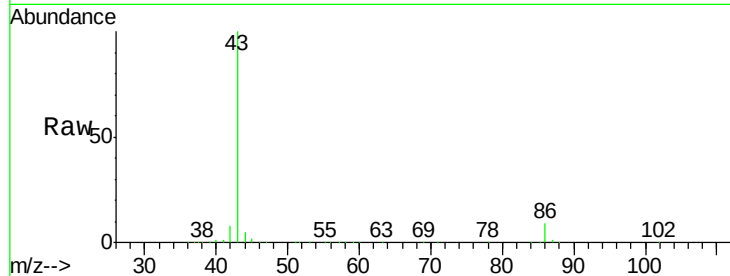
86 8.7 6.9 10.3

Manual Integrations

APPROVED

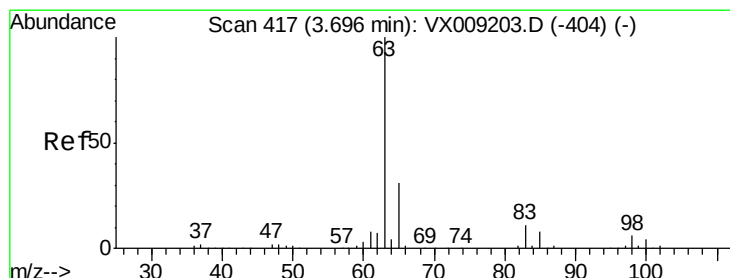
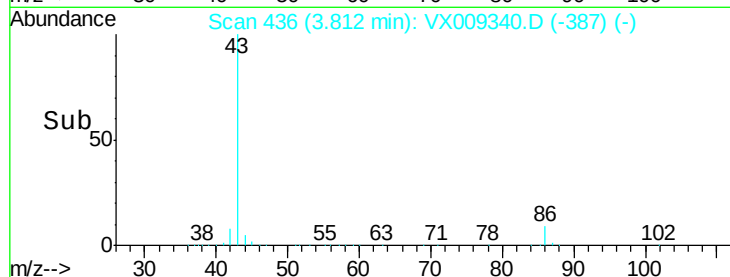
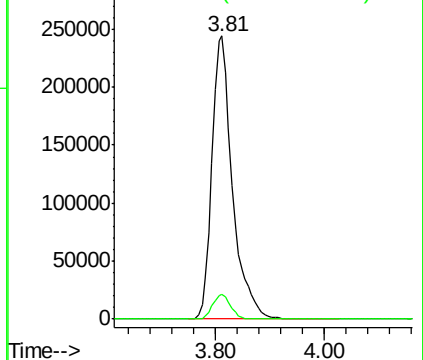
MMDadoda

5/7/2019 9:41:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 17.959 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

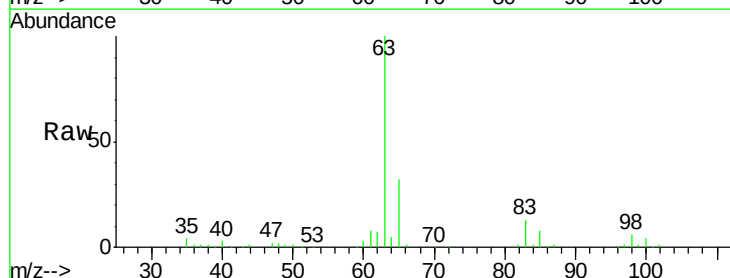
Tgt Ion: 63 Resp: 71503

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

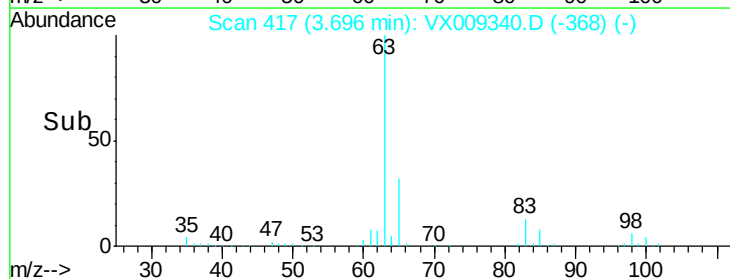
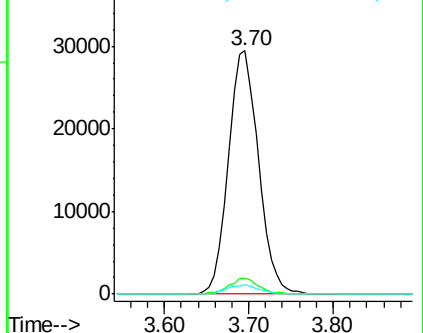
100 3.8 2.0 6.0

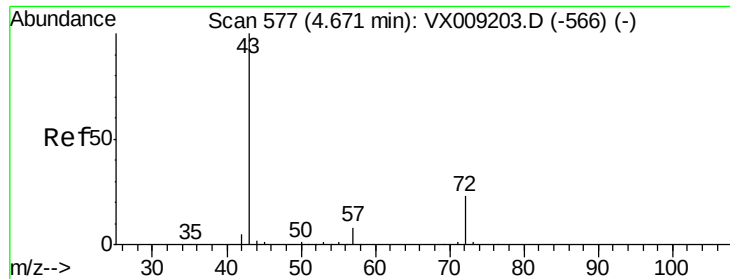


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 87.605 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0506WBS01

Tot Ion: 43 Resp: 183149

Ion Ratio Lower Upper

43 100

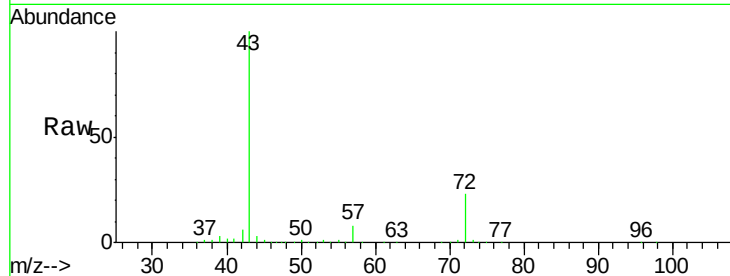
72 23.3 18.2 27.2

Manual Integrations

APPROVED

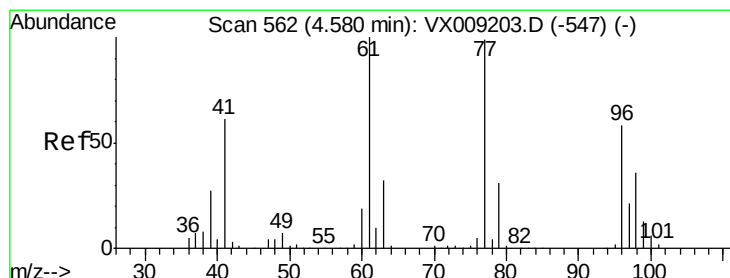
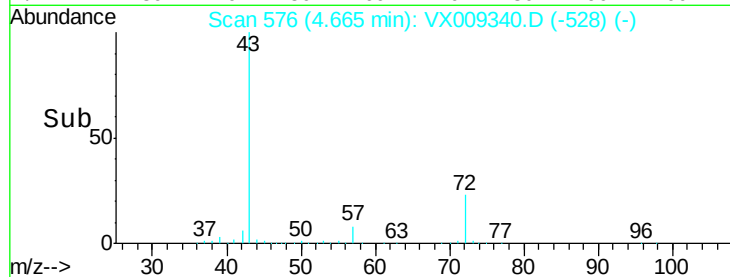
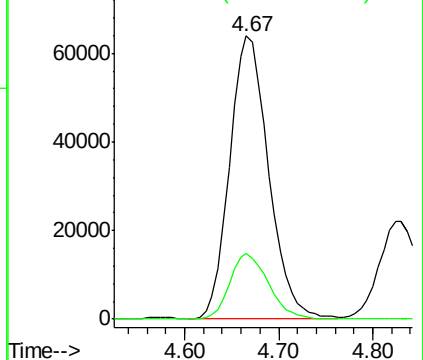
MMDadoda

5/7/2019 9:41:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.471 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX009340.D

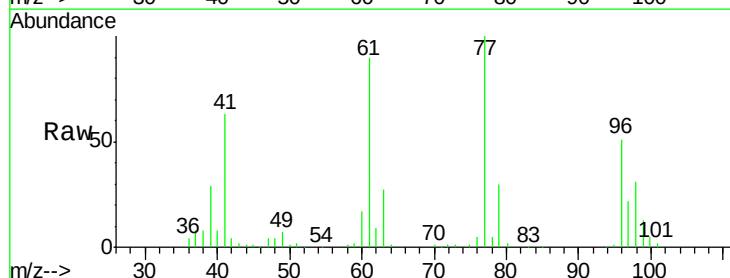
Acq: 06 May 2019 11:11

Tgt Ion: 77 Resp: 54741

Ion Ratio Lower Upper

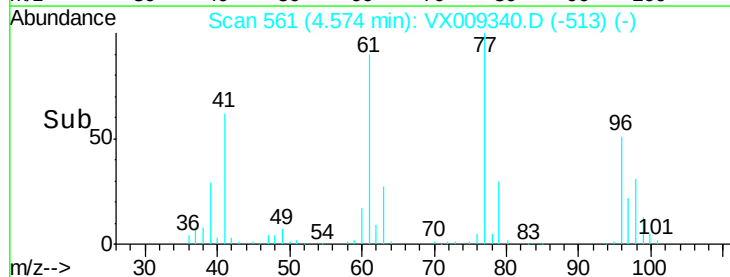
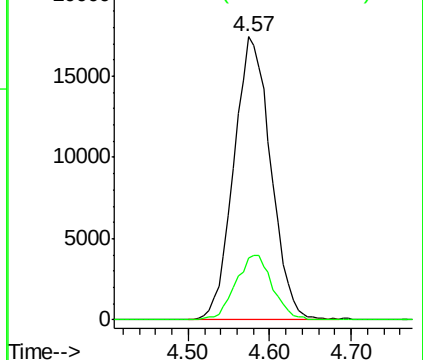
77 100

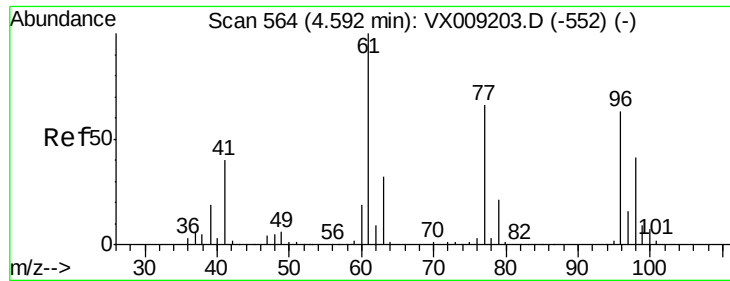
97 22.8 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

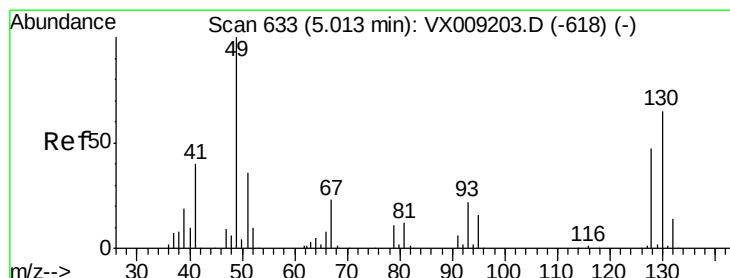
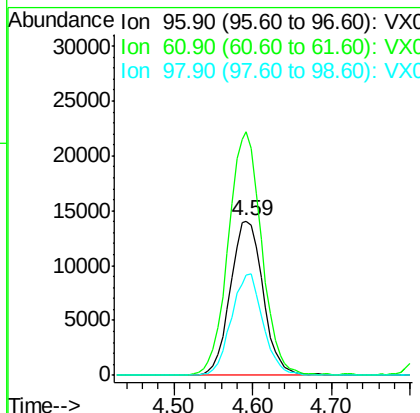
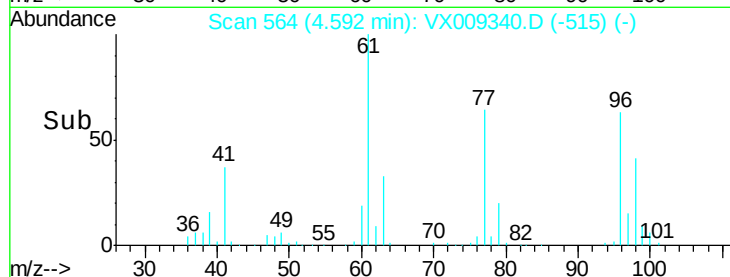
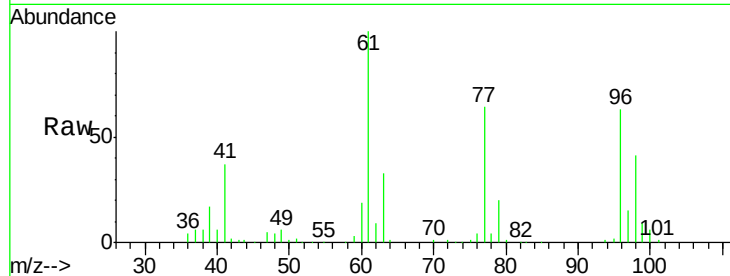
cis-1,2-Dichloroethene
Concen: 18.276 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Instrument :
MSVOA_X
ClientSampled :
VX0506WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	40741		
61	160.5	0.0	324.0	
98	63.3	0.0	130.4	

Manual Integrations
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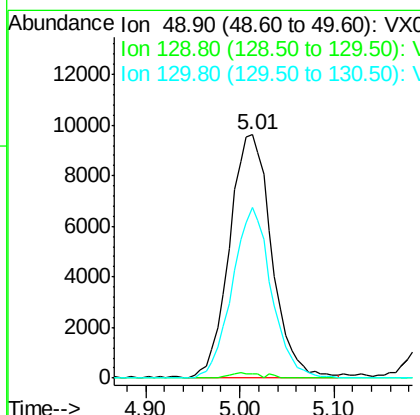
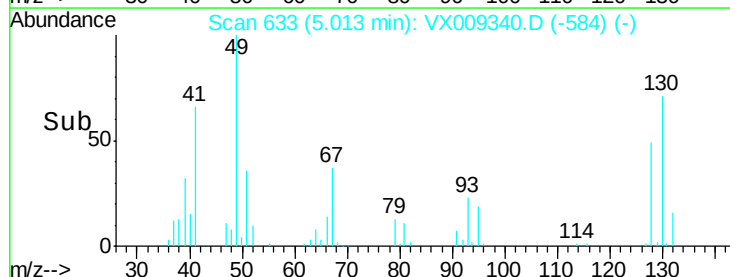
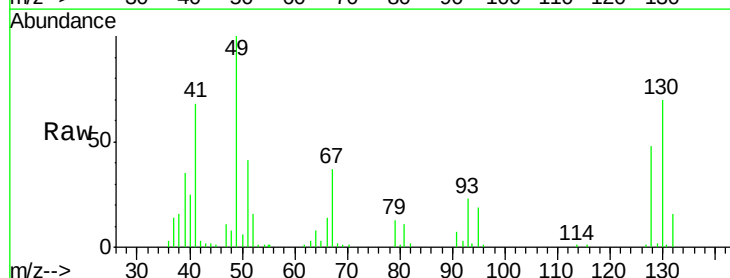
MMDadoda
5/7/2019 9:41:50 AM

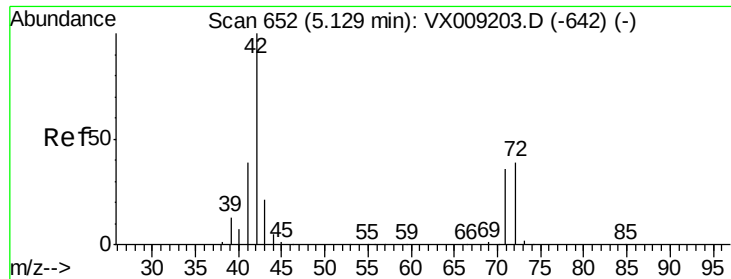


#28

Bromochloromethane
Concen: 16.926 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	30034		
129	1.3	0.0	3.8	
130	65.1	51.2	76.8	





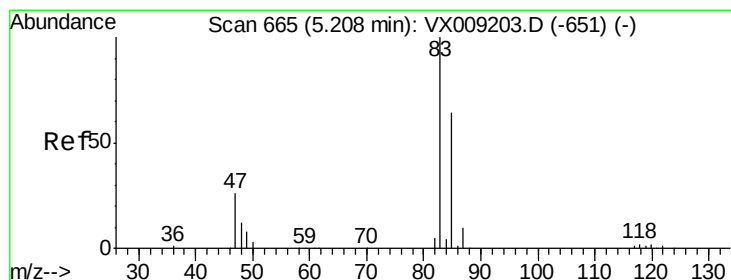
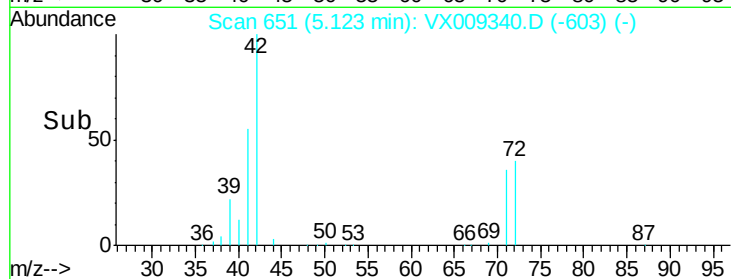
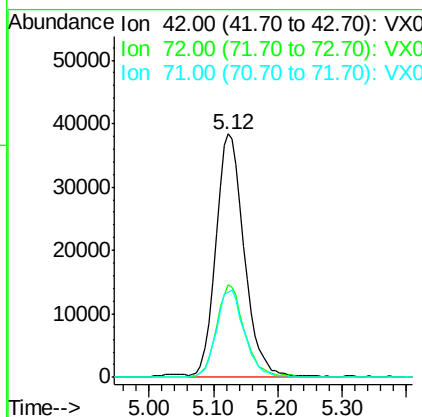
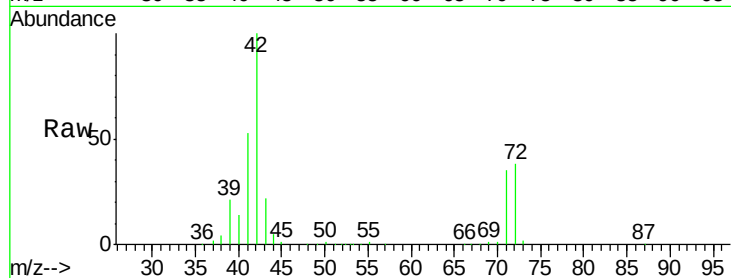
#29
Tetrahydrofuran
Concen: 87.735 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Instrument :
MSVOA_X
ClientSampled :
VX0506WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.0	30.4	45.6
71	35.9	28.6	43.0

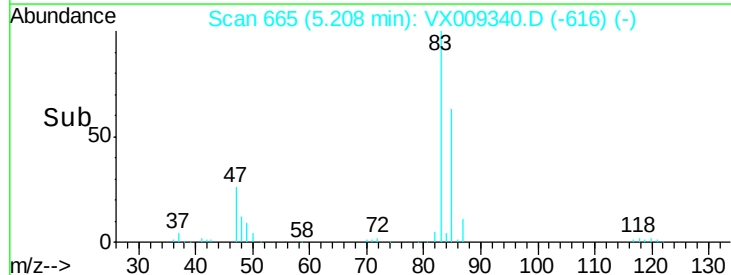
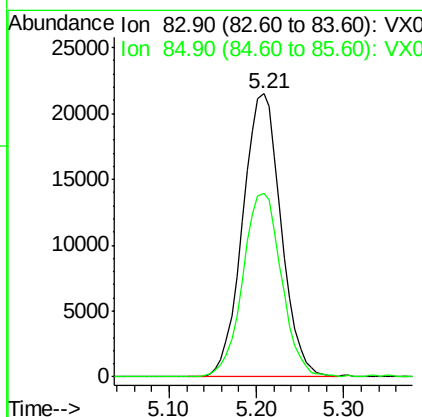
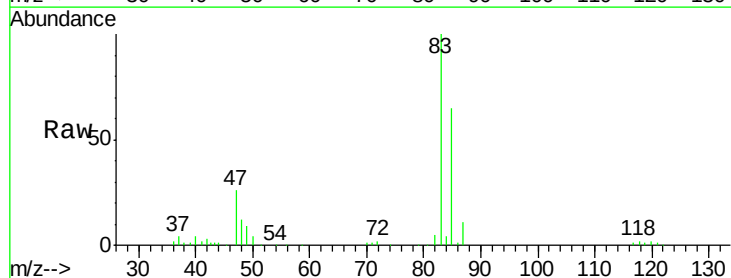
Manual Integrations
APPROVED

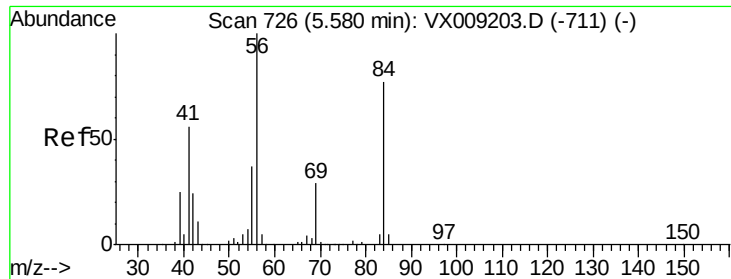
MMDadoda
5/7/2019 9:41:50 AM



#30
Chloroform
Concen: 18.263 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.5	77.3





#31

Cyclohexane

Concen: 18.391 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Instrument :

MSVOA_X

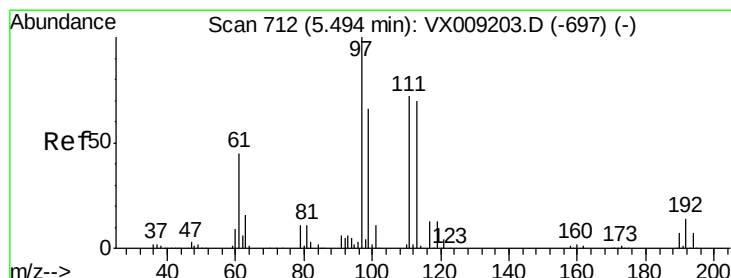
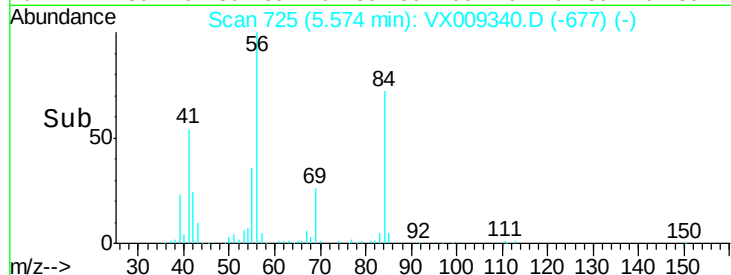
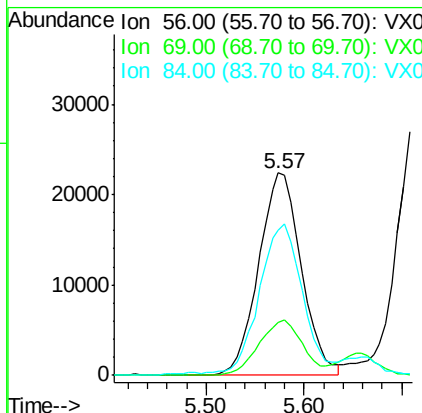
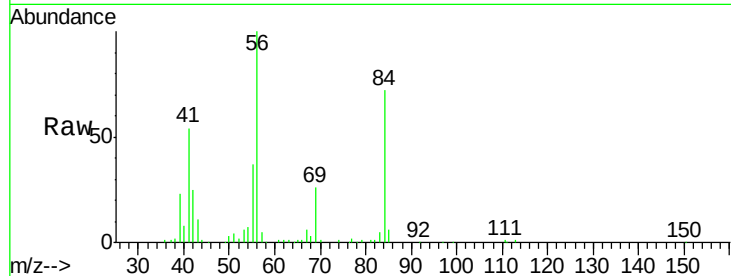
ClientSampleId :

VX0506WBS01

Tot Ion:	56	Resp:	68126
Ion Ratio	Lower	Upper	
56	100		
69	25.9	23.4	35.0
84	70.6	61.9	92.9

Manual Integrations
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MMDadoda
5/7/2019 9:41:50 AM



#32

1,1,1-Trichloroethane

Concen: 18.066 ug/l

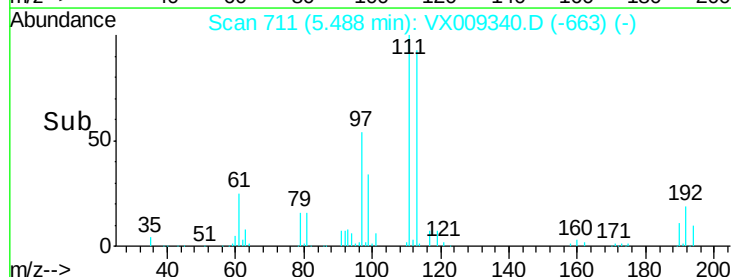
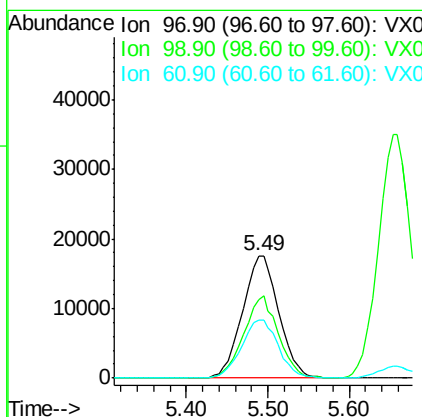
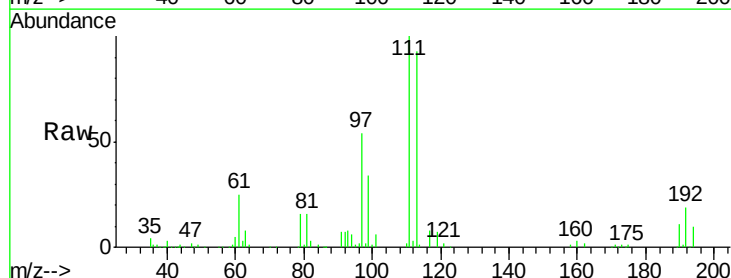
RT: 5.49 min Scan# 711

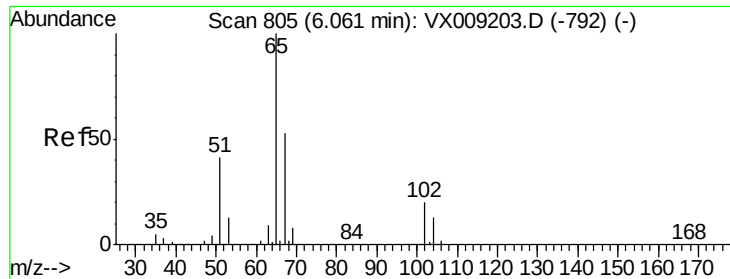
Delta R.T. -0.01 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Tgt Ion:	97	Resp:	54155
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.8	77.8
61	48.7	37.8	56.8





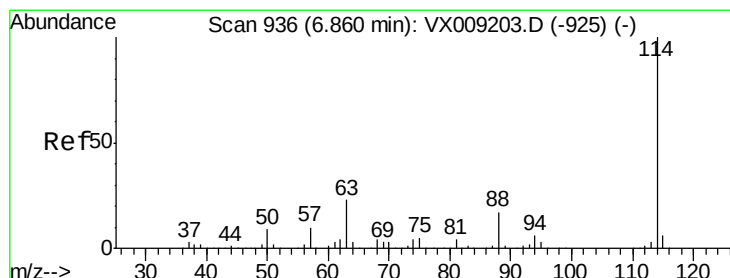
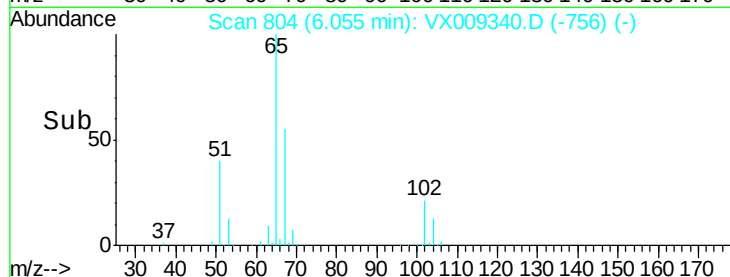
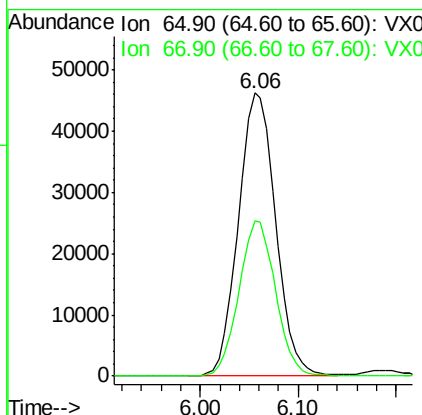
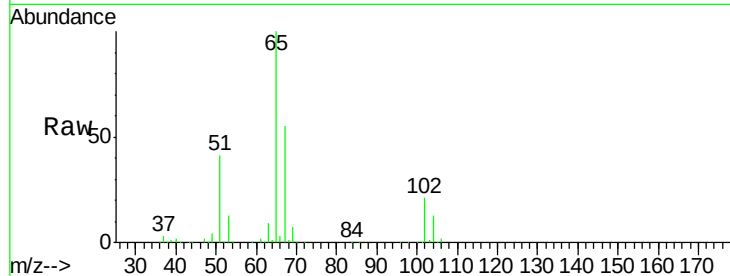
#33
 1,2-Dichloroethane-d4
 Concen: 48.948 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX009340.D
 Acq: 06 May 2019 11:11

Instrument :
 MSVOA_X
 ClientSampled :
 VX0506WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	106.6

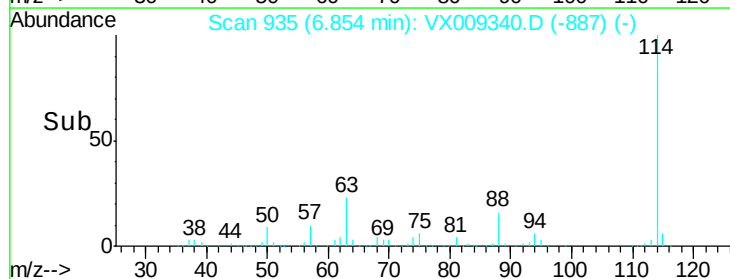
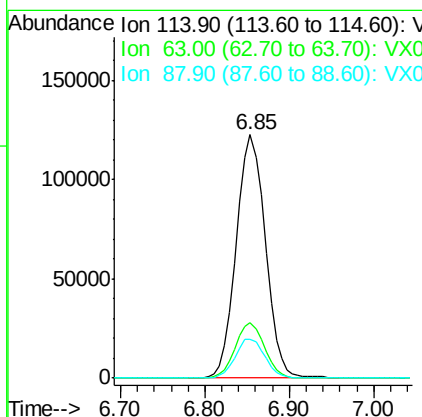
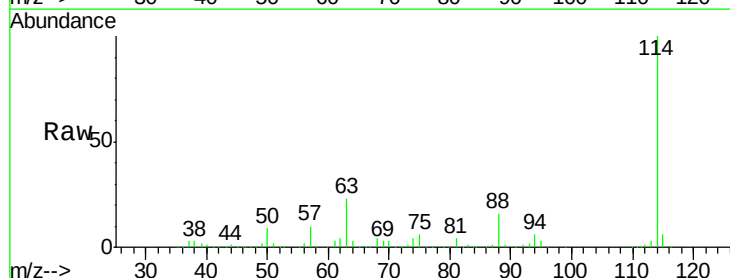
Manual Integrations
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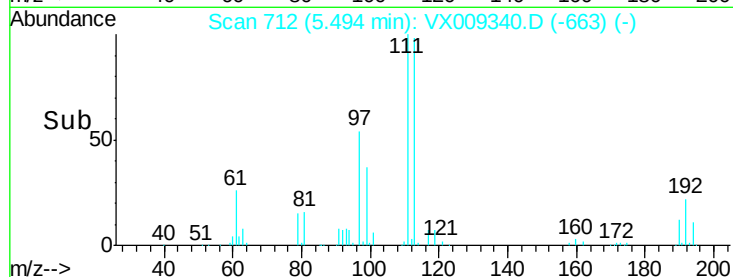
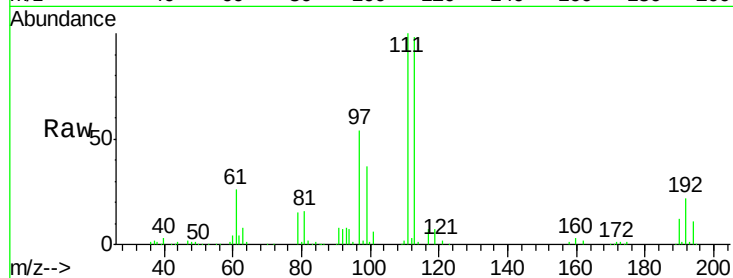
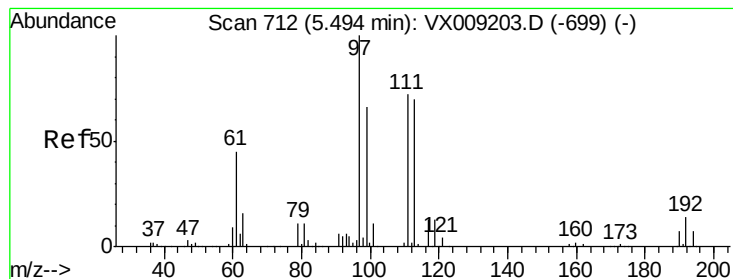
MMDadoda
 5/7/2019 9:41:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009340.D
 Acq: 06 May 2019 11:11

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	45.6
88	15.9	0.0	33.2





#35

Dibromofluoromethane

Concen: 50.888 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009340.D

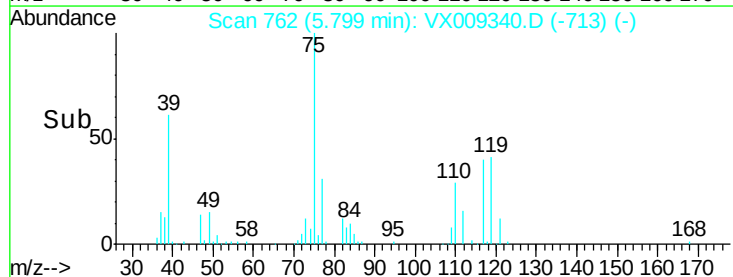
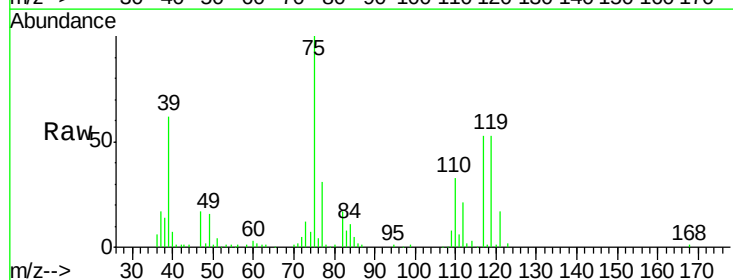
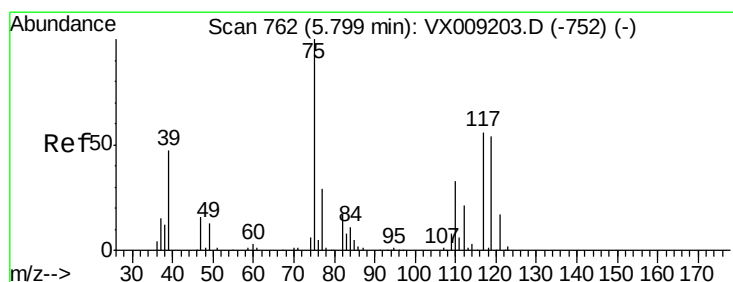
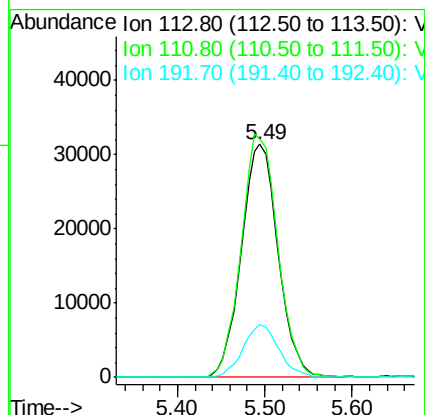
Acq: 06 May 2019 11:11

Tot Ion:	113	Resp:	91668
Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.8	124.2
192	22.0	17.0	25.6

Instrument :
MSVOA_X
ClientSampleId :
VX0506WBS01

Manual Integrations
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MMDadoda
5/7/2019 9:41:50 AM



#36

1,1-Dichloropropene

Concen: 18.526 ug/l

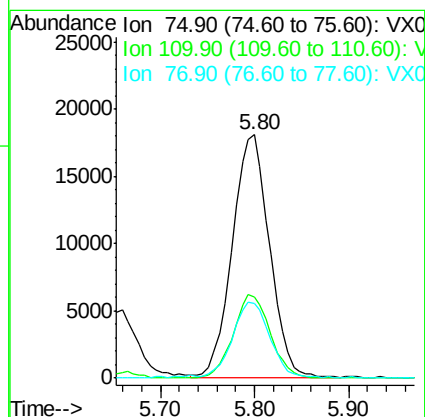
RT: 5.80 min Scan# 762

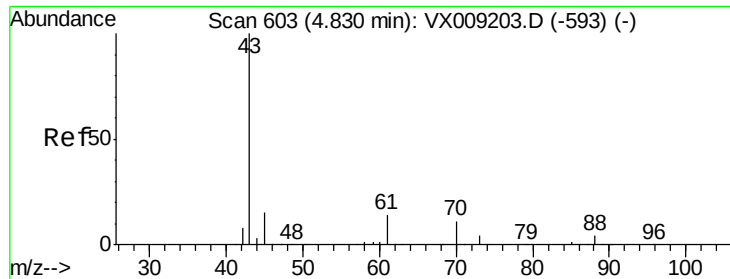
Delta R.T. 0.00 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Tgt Ion:	75	Resp:	49333
Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.9	50.6
77	31.1	24.8	37.2





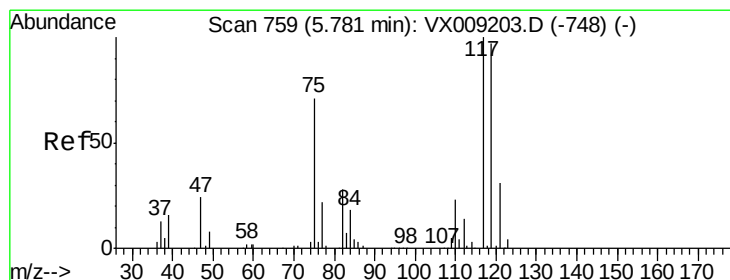
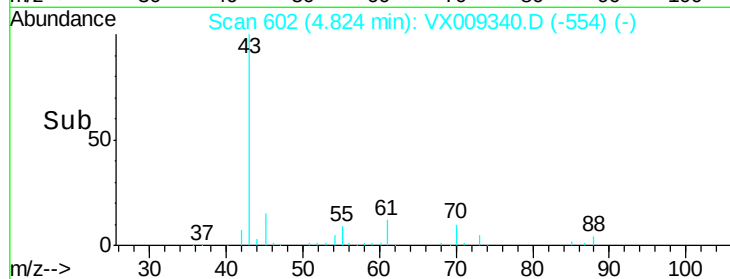
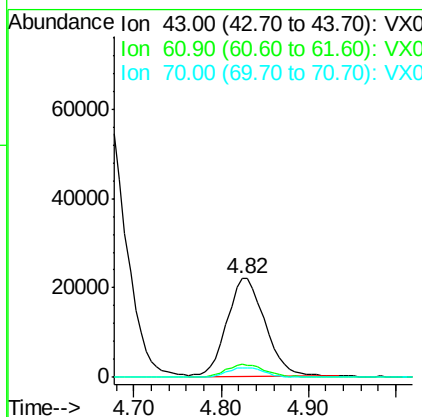
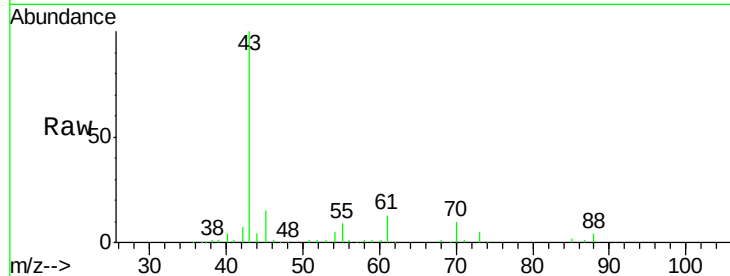
#37
Ethyl Acetate
Concen: 17.975 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Instrument :
MSVOA_X
ClientSampled :
VX0506WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.5	15.7
70	10.0	7.9	11.9

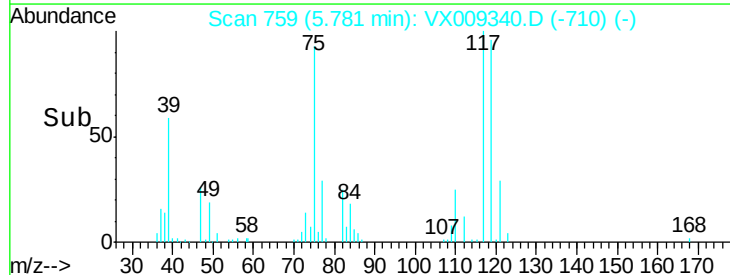
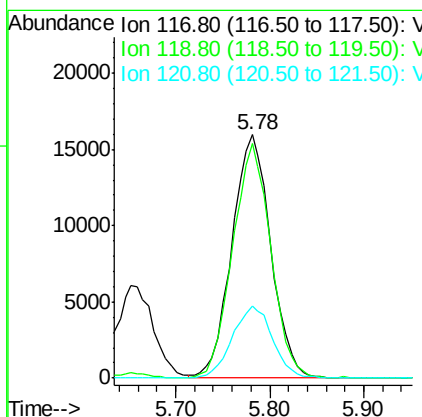
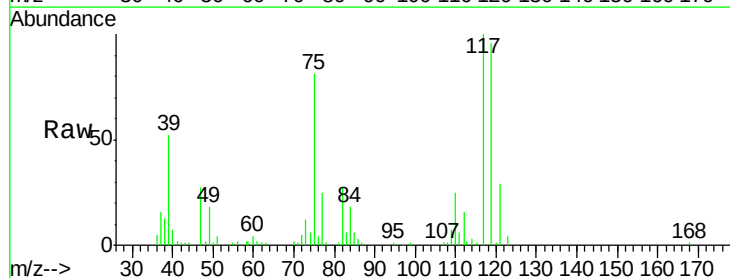
Manual Integrations
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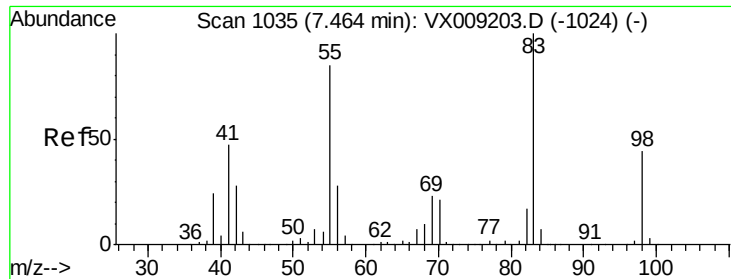
MMDadoda
5/7/2019 9:41:50 AM



#38
Carbon Tetrachloride
Concen: 19.008 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.5	116.3
121	29.4	24.7	37.1





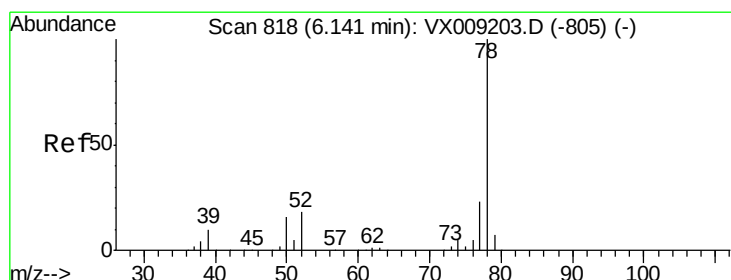
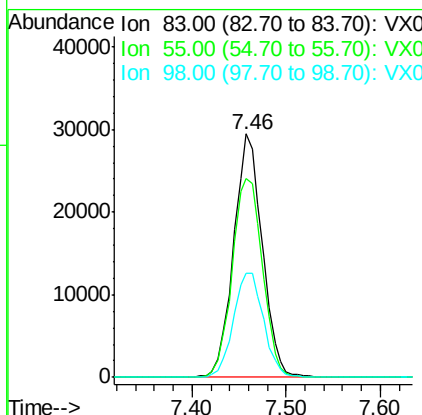
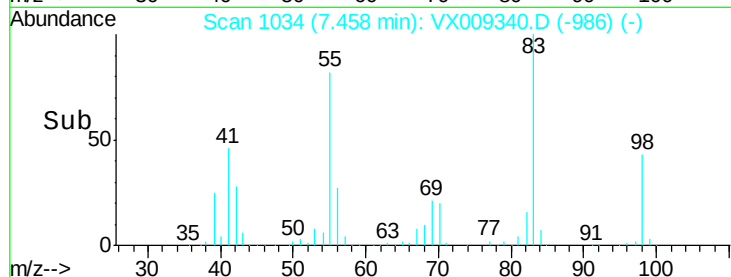
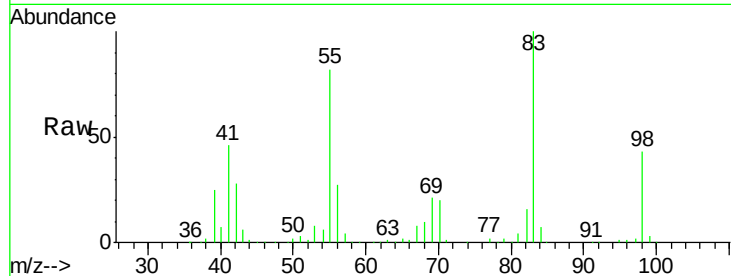
#39
Methylvlcyclohexane
Concen: 18.964 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Instrument :
MSVOA_X
ClientSampleId :
VX0506WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.5	67.7	101.5
98	42.8	35.5	53.3

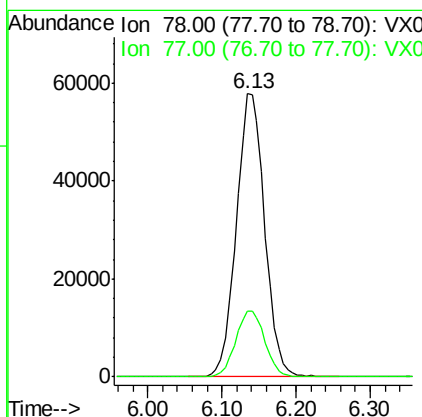
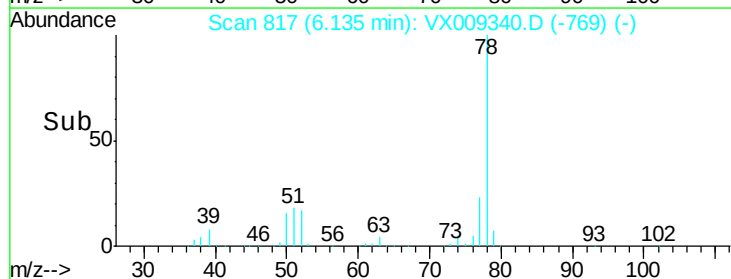
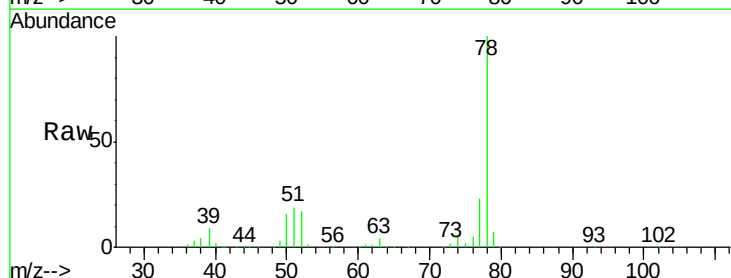
Manual Integrations
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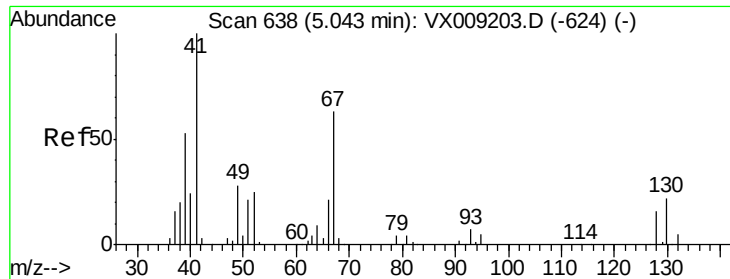
MMDadoda
5/7/2019 9:41:50 AM



#40
Benzene
Concen: 18.729 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2





#41

Methacrylonitrile

Concen: 17.715 ug/l

RT: 5.03 min Scan# 636

Delta R.T. -0.01 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0506WBS01

Tot Ion: 41 Resp: 39125

Ion Ratio Lower Upper

41 100

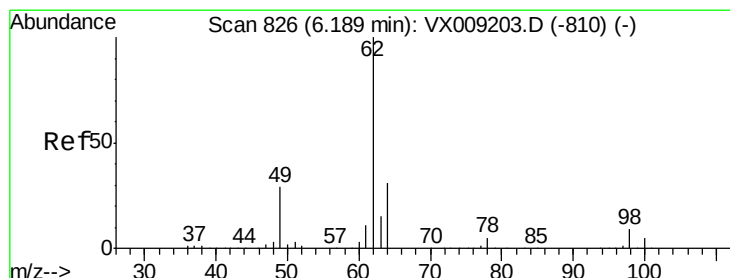
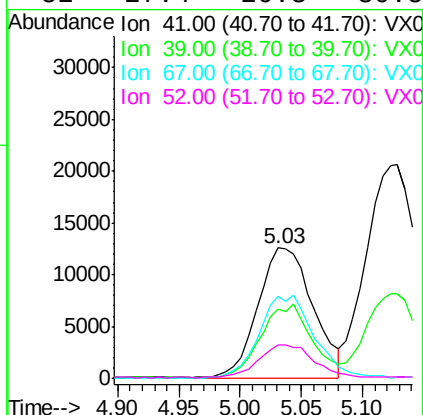
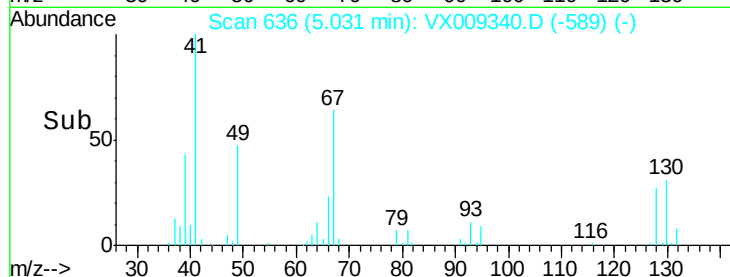
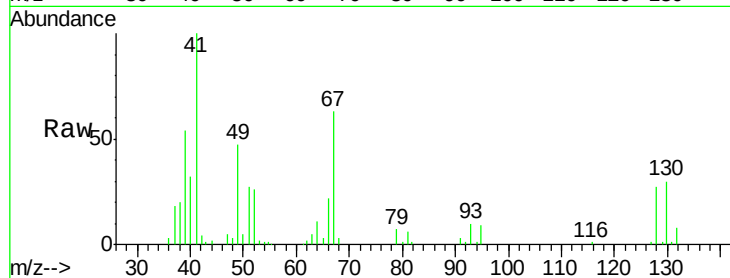
39 53.6 42.0 63.0

67 64.0 49.8 74.8

52 27.4 20.3 30.5

Manual Integrations
APPROVED

MMDadoda
5/7/2019 9:41:50 AM



#42

1,2-Dichloroethane

Concen: 18.962 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX009340.D

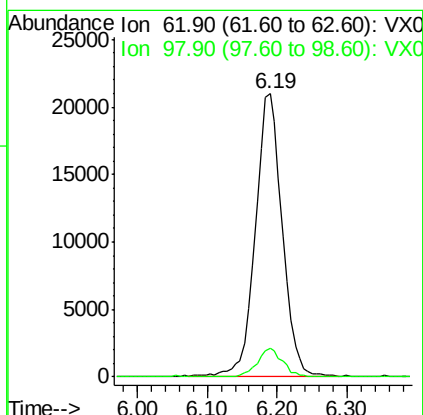
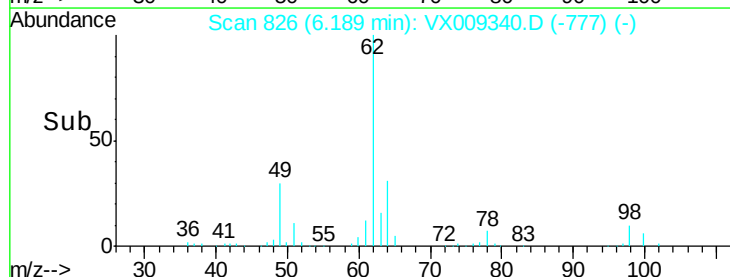
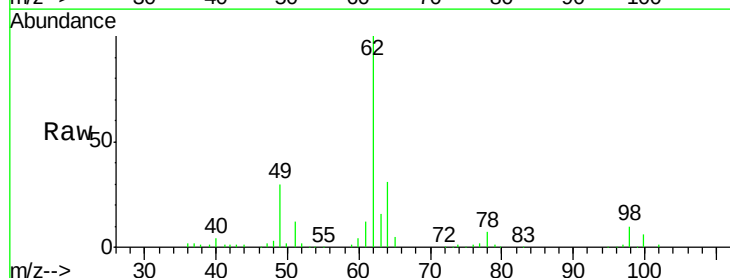
Acq: 06 May 2019 11:11

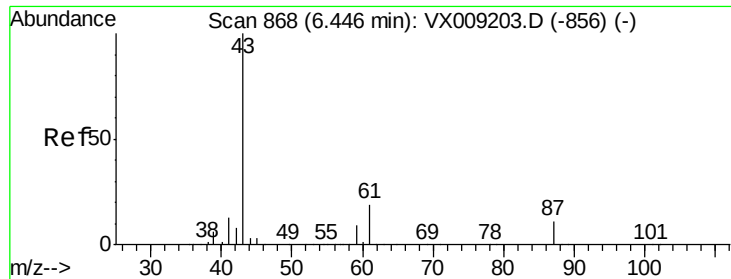
Tgt Ion: 62 Resp: 56057

Ion Ratio Lower Upper

62 100

98 9.4 0.0 18.2





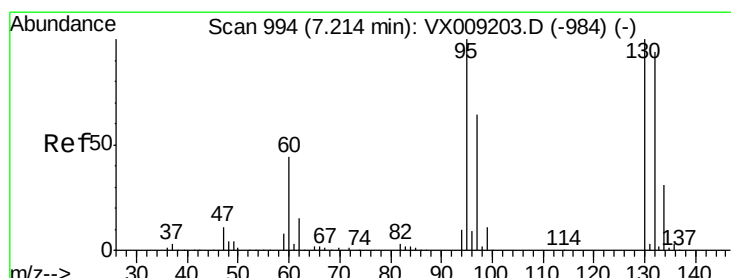
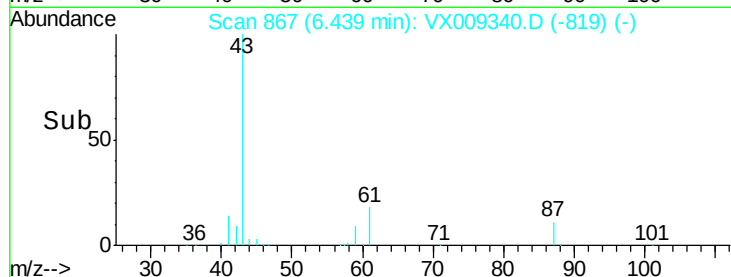
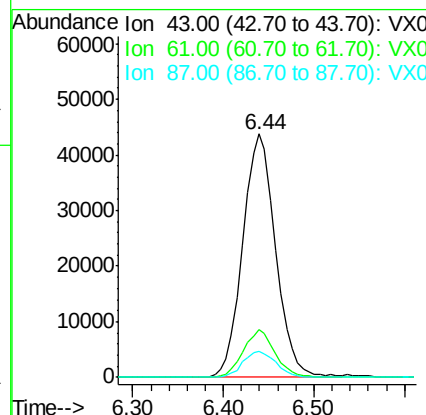
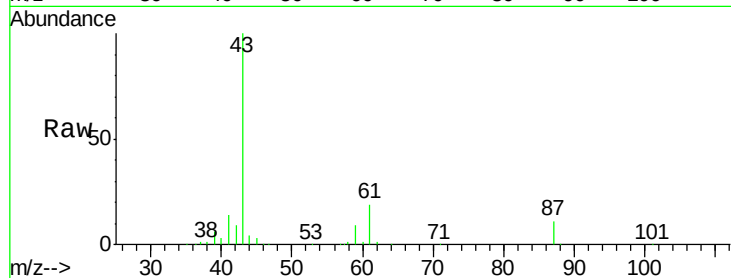
#43
Isopropyl Acetate
Concen: 18.445 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Instrument :
MSVOA_X
ClientSampleId :
VX0506WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.1	22.7
87	11.0	9.0	13.6

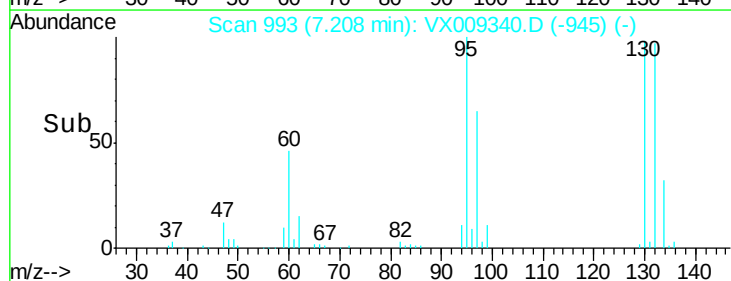
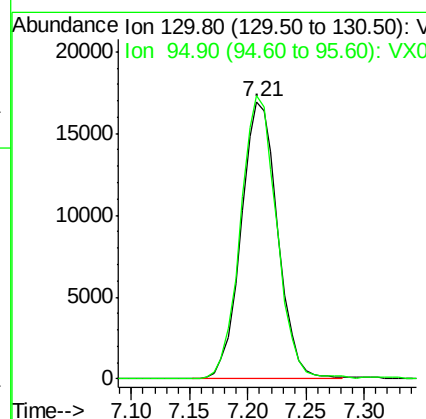
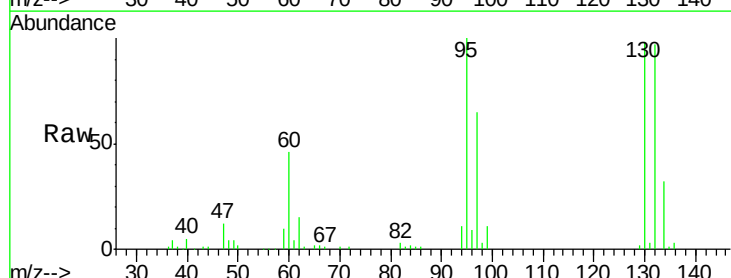
Manual Integrations
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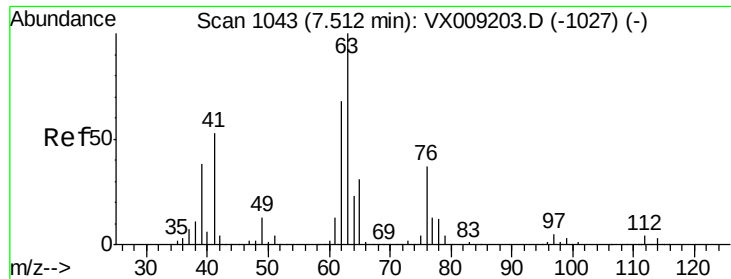
MMDadoda
5/7/2019 9:41:50 AM



#44
Trichloroethene
Concen: 18.591 ug/l
RT: 7.21 min Scan# 993
Delta R.T. -0.01 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	199.2





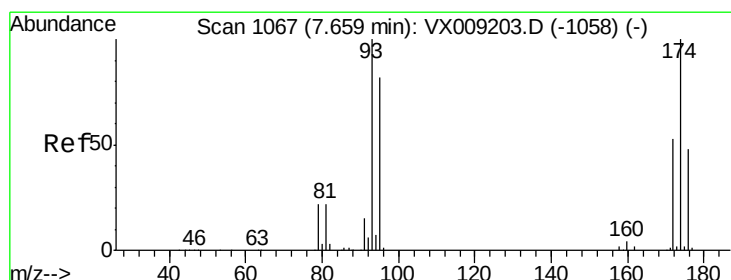
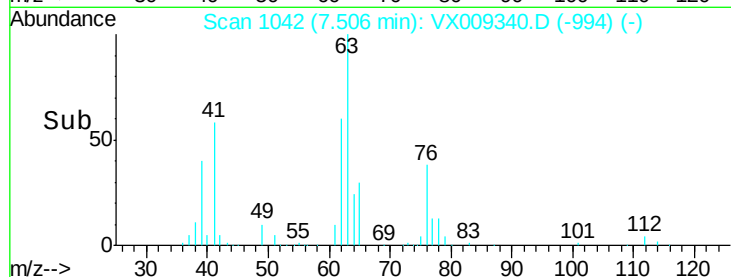
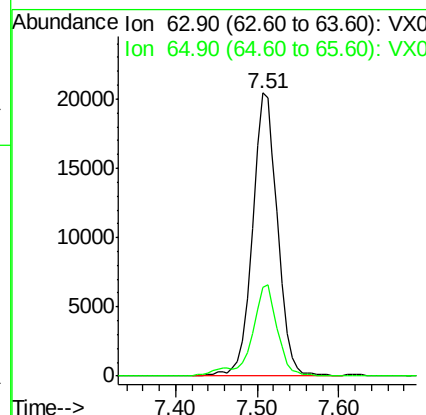
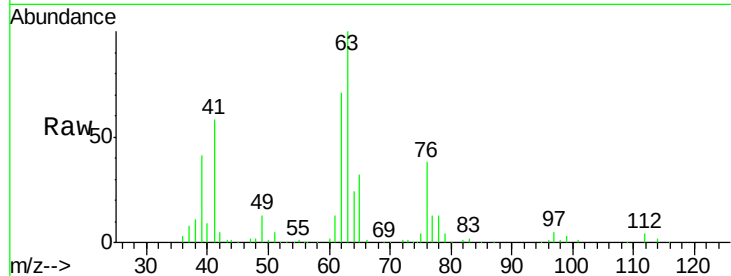
#45
 1,2-Dichloropropane
 Concen: 18.766 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX009340.D
 Acq: 06 May 2019 11:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0506WBS01

Tot Ion: 63 Resp: 43793
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.6

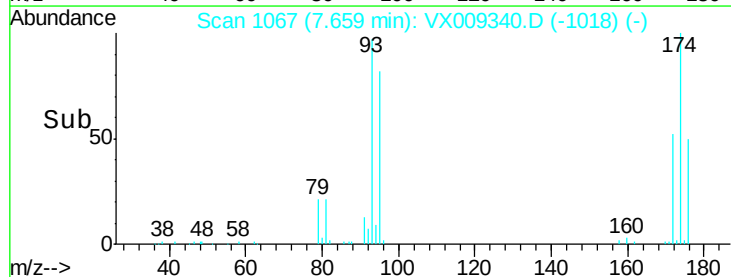
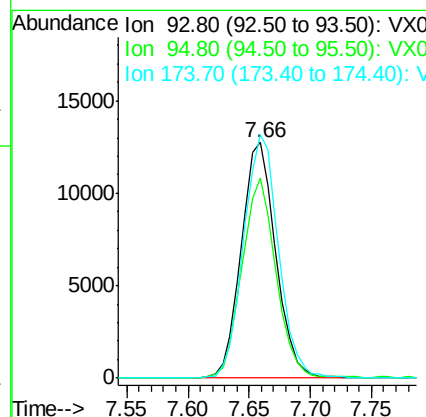
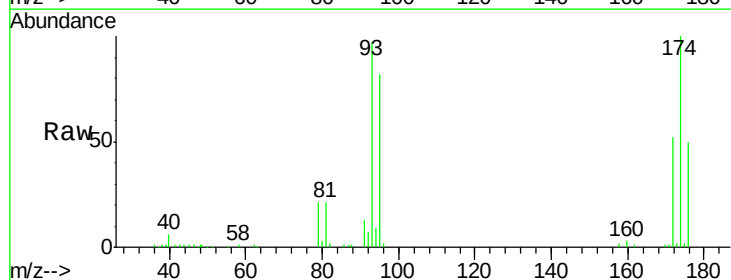
Manual Integrations
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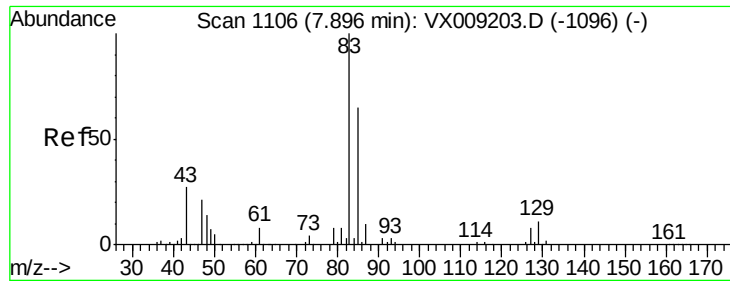
MMDadoda
 5/7/2019 9:41:50 AM



#46
 Dibromomethane
 Concen: 18.401 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009340.D
 Acq: 06 May 2019 11:11

Tgt Ion: 93 Resp: 24936
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.5 99.7
 174 104.7 82.1 123.1





#47

Bromodichloromethane

Concen: 18.860 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Instrument :

MSVOA_X

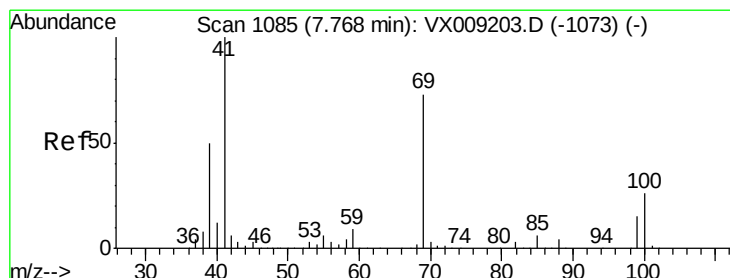
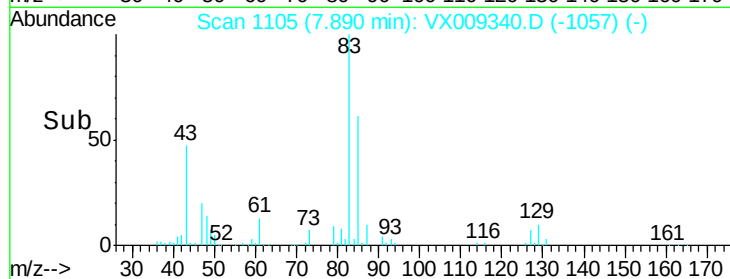
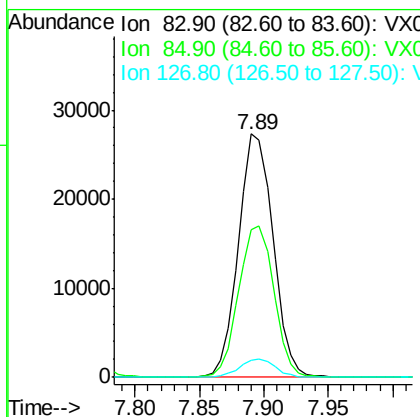
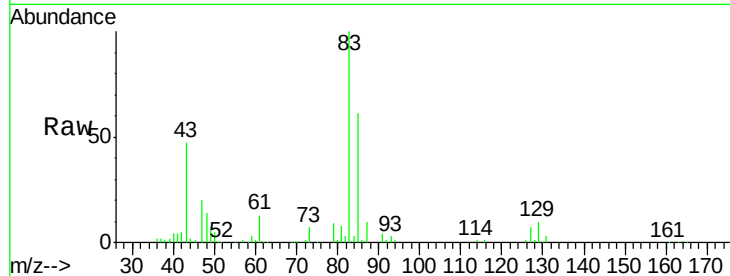
ClientSampleId :

VX0506WBS01

Tot Ion:	83	Resp:	50981
Ion	Ratio	Lower	Upper
83	100		
85	60.8	52.4	78.6
127	7.0	6.6	10.0

Manual Integrations
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MMDadoda
5/7/2019 9:41:50 AM



#48

Methyl methacrylate

Concen: 18.067 ug/l

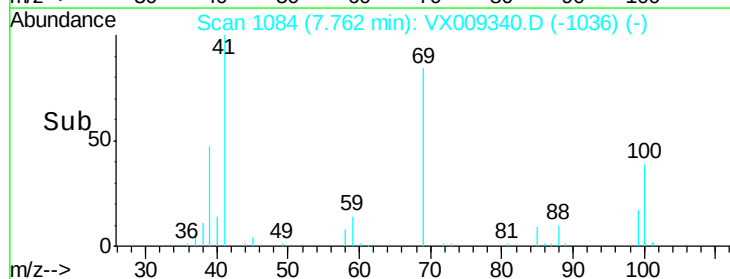
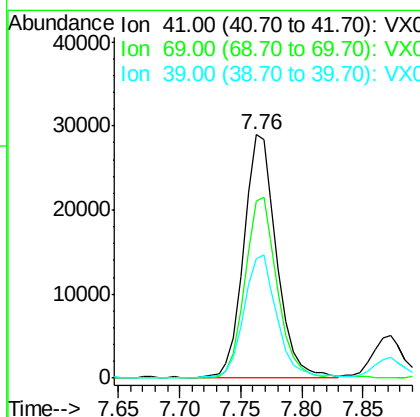
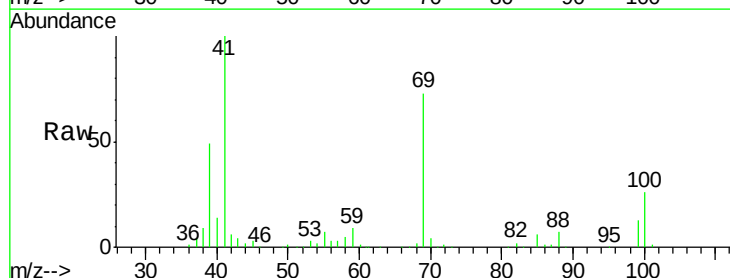
RT: 7.76 min Scan# 1084

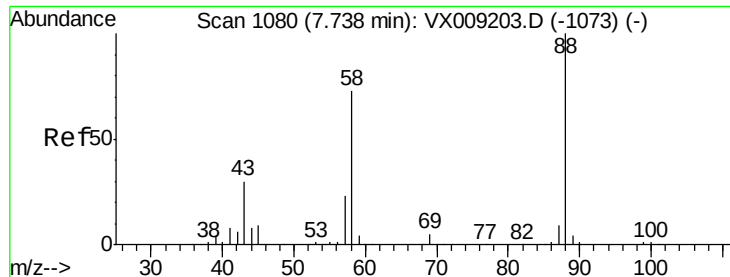
Delta R.T. -0.01 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Tgt Ion:	41	Resp:	53196
Ion	Ratio	Lower	Upper
41	100		
69	74.6	59.1	88.7
39	52.0	40.4	60.6





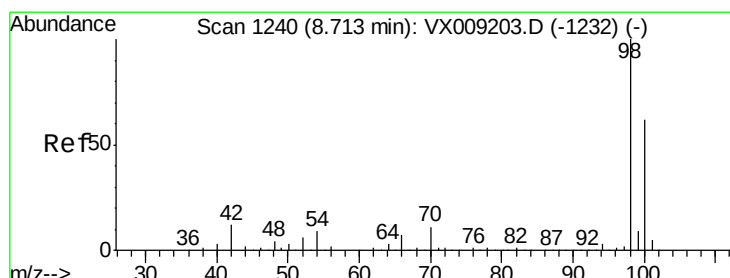
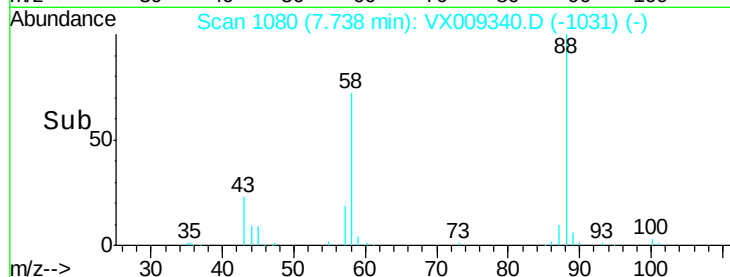
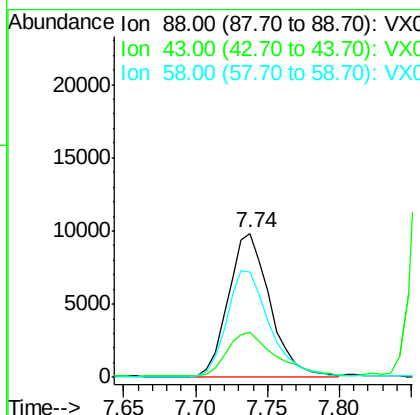
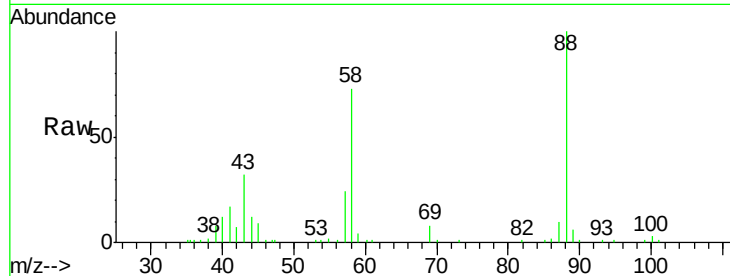
#49
1,4-Dioxane
Concen: 331.478 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Instrument :
MSVOA_X
ClientSampled :
VX0506WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.8	28.6	42.8
58	78.1	61.7	92.5

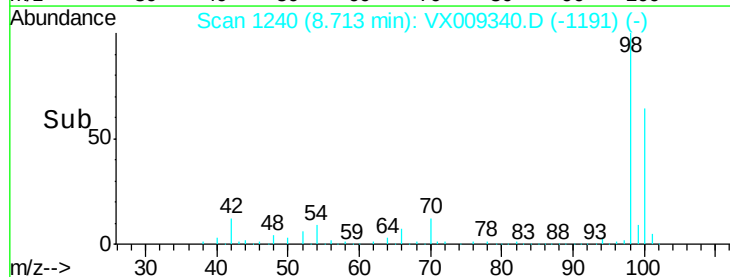
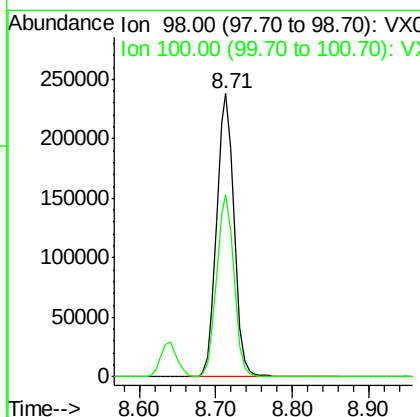
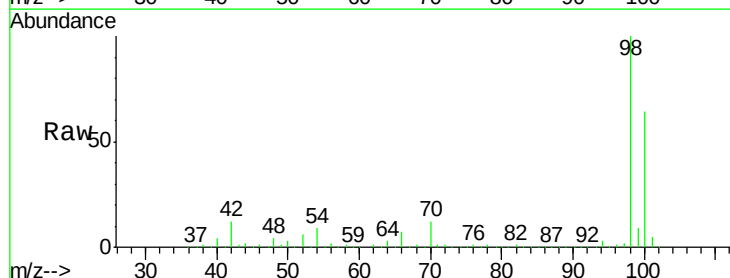
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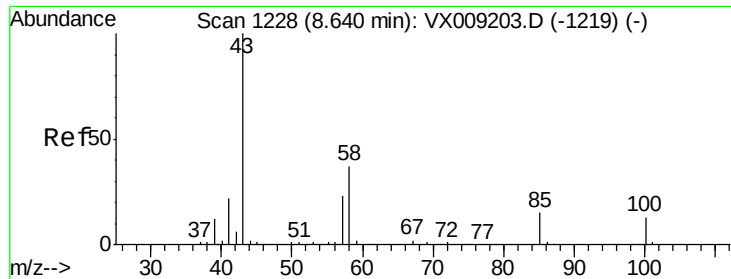
MMDadoda
5/7/2019 9:41:50 AM



#50
Toluene-d8
Concen: 51.579 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 90.732 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0506WBS01

Tot Ion: 43 Resp: 351956

Ion Ratio Lower Upper

43 100

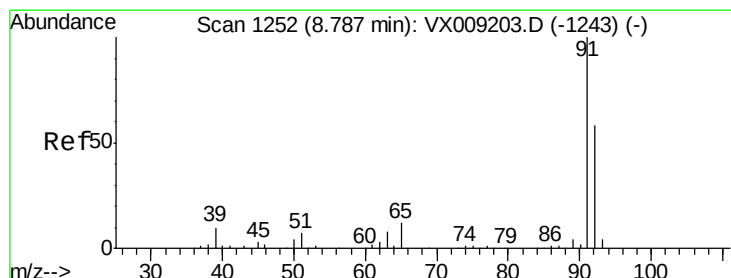
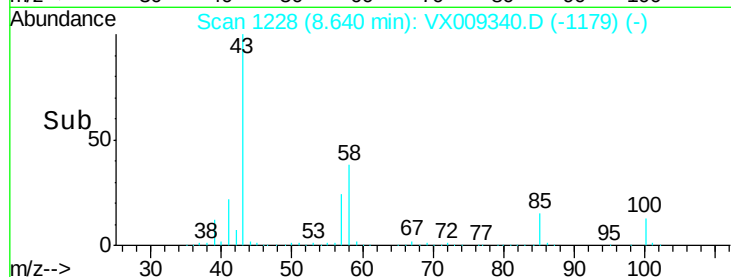
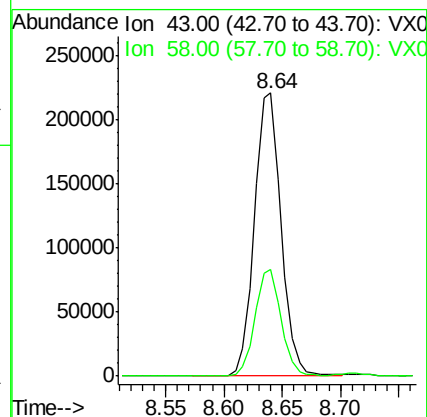
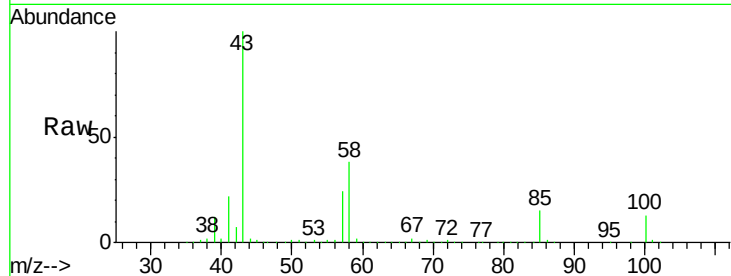
58 36.9 29.5 44.3

Manual Integrations

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MMDadoda

5/7/2019 9:41:50 AM



#52

Toluene

Concen: 18.917 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009340.D

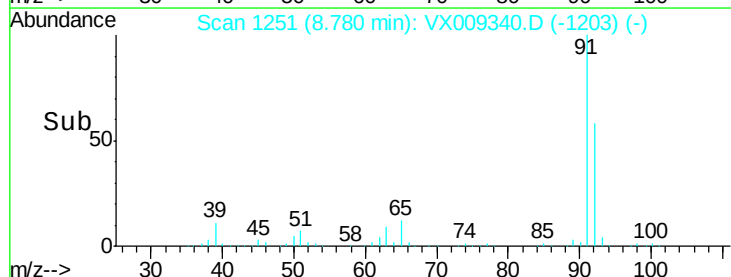
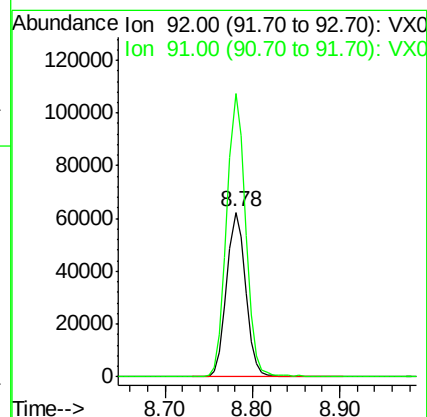
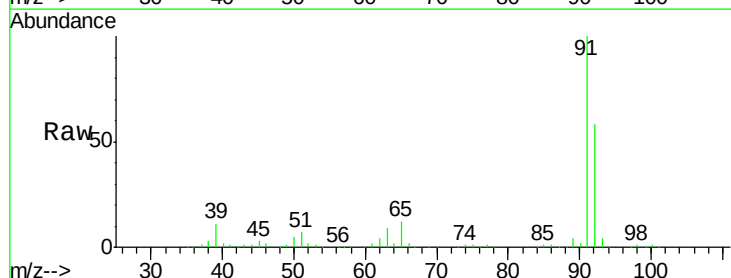
Acq: 06 May 2019 11:11

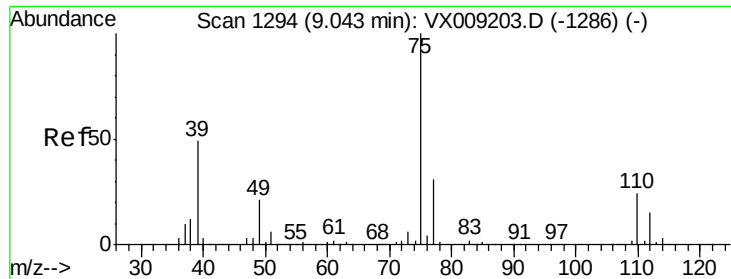
Tgt Ion: 92 Resp: 94766

Ion Ratio Lower Upper

92 100

91 171.1 138.8 208.2





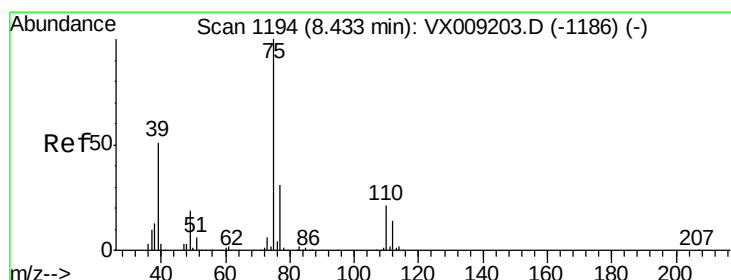
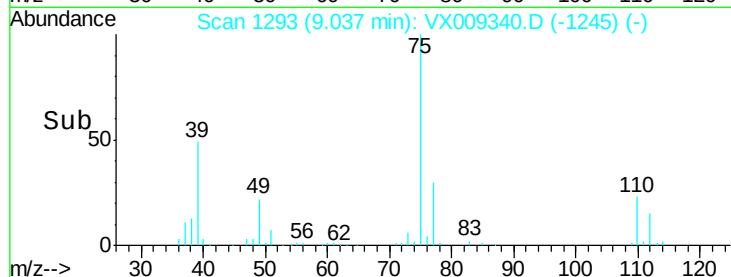
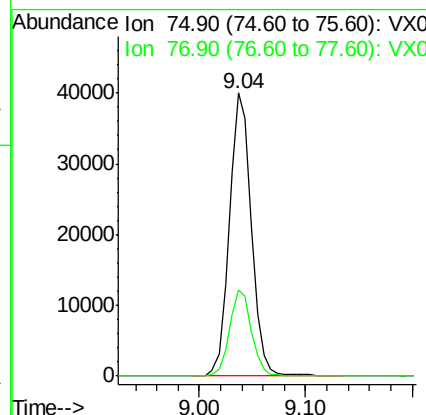
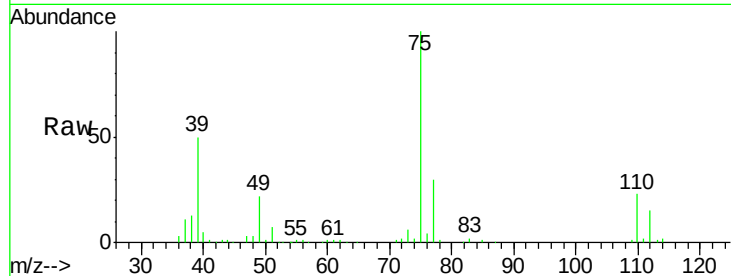
#53
 t-1,3-Dichloropropene
 Concen: 18.928 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: VX009340.D
 Acq: 06 May 2019 11:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0506WBS01

Tot Ion: 75 Resp: 57765
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.0 37.6

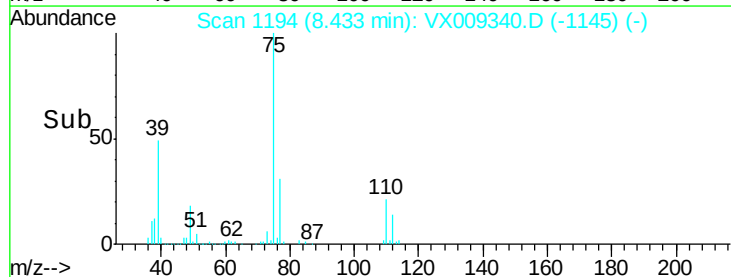
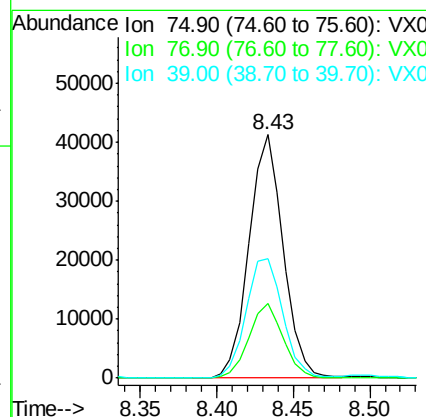
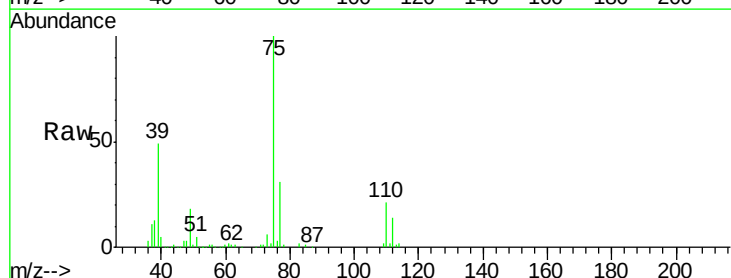
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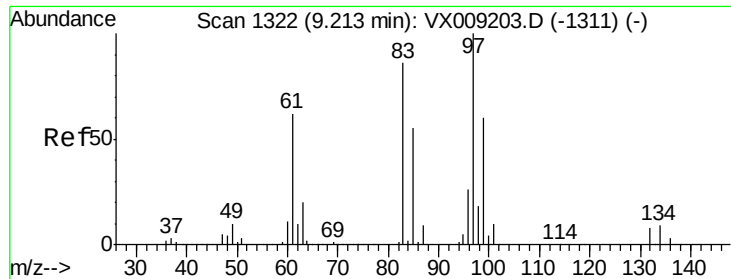
MMDadoda
 5/7/2019 9:41:50 AM



#54
 cis-1,3-Dichloropropene
 Concen: 18.997 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009340.D
 Acq: 06 May 2019 11:11

Tgt Ion: 75 Resp: 64170
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.6 36.8
 39 49.0 40.6 60.8





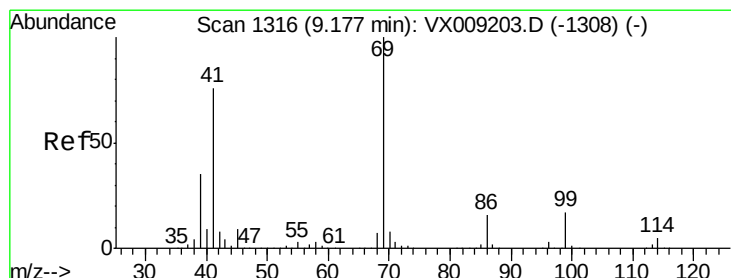
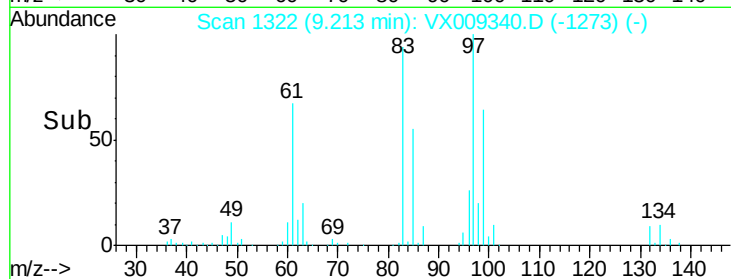
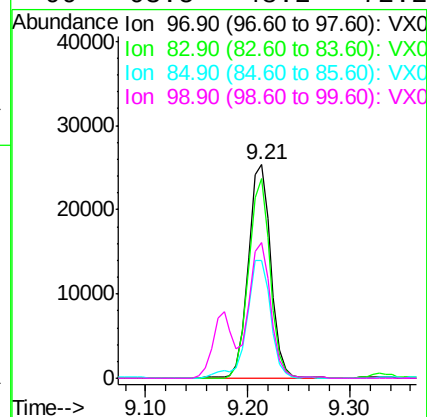
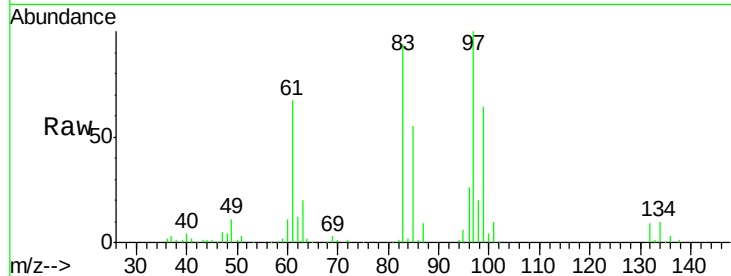
#55
 1,1,2-Trichloroethane
 Concen: 18.948 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009340.D
 Acq: 06 May 2019 11:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0506WBS01

Tot Ion:	97	Resp:	38725
Ion Ratio	Lower	Upper	
97	100		
83	93.5	68.9	103.3
85	55.4	43.8	65.6
99	63.5	48.2	72.2

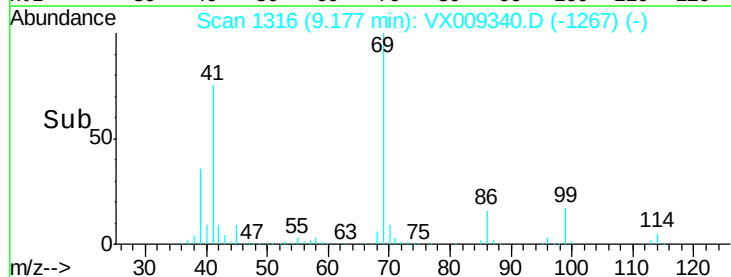
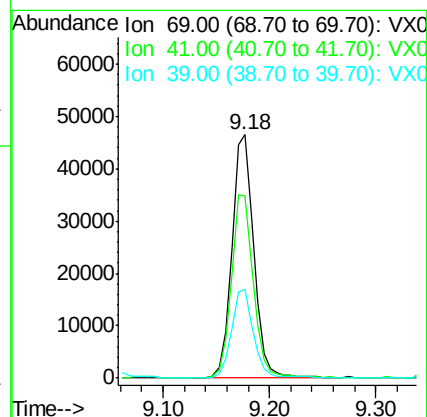
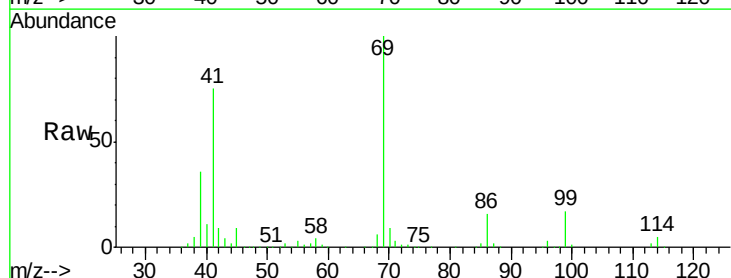
Manual Integrations
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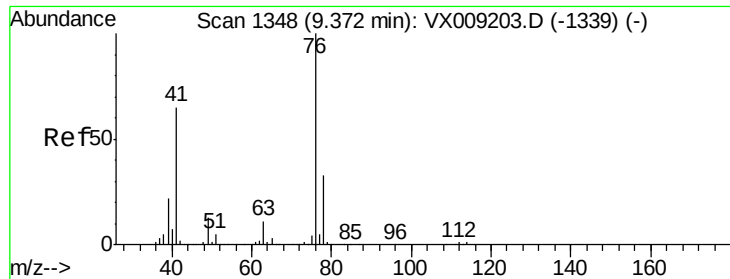
MMDadoda
 5/7/2019 9:41:50 AM



#56
 Ethyl methacrylate
 Concen: 18.468 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009340.D
 Acq: 06 May 2019 11:11

Tgt Ion:	69	Resp:	67375
Ion Ratio	Lower	Upper	
69	100		
41	75.2	60.6	90.8
39	36.2	28.2	42.4





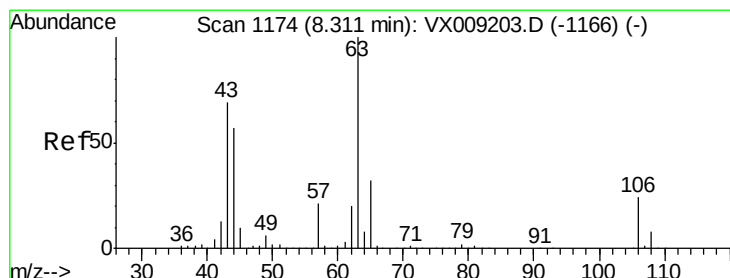
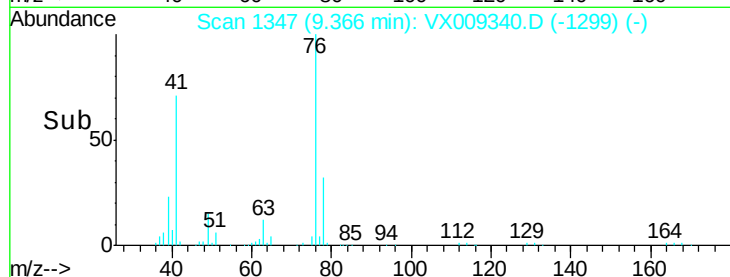
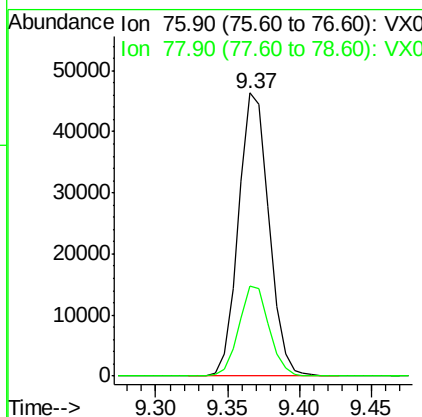
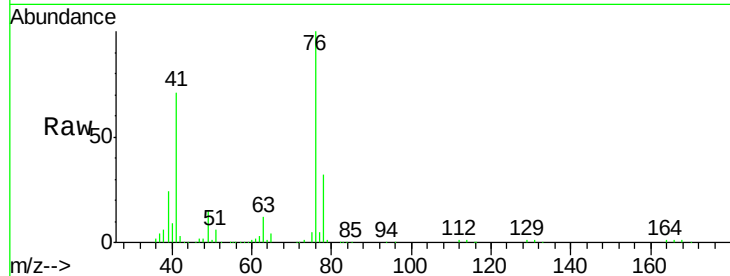
#57
 1,3-Dichloropropane
 Concen: 18.962 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX009340.D
 Acq: 06 May 2019 11:11

Instrument :
 MSVOA_X
 ClientSampled :
 VX0506WBS01

Tot Ion: 76 Resp: 68198
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.5 38.3

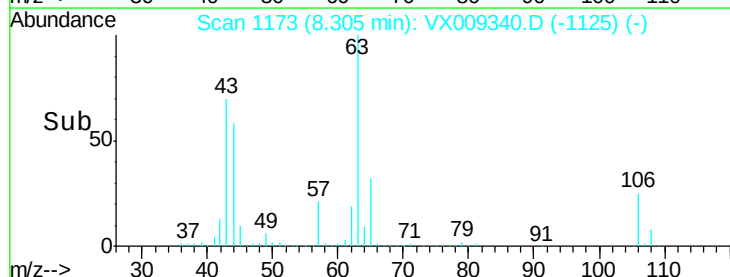
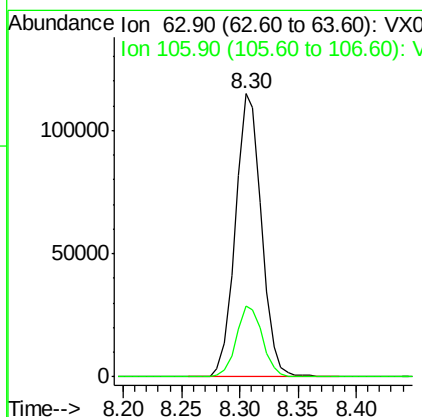
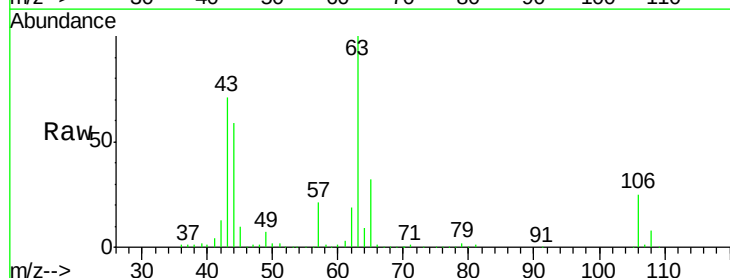
Manual Integrations
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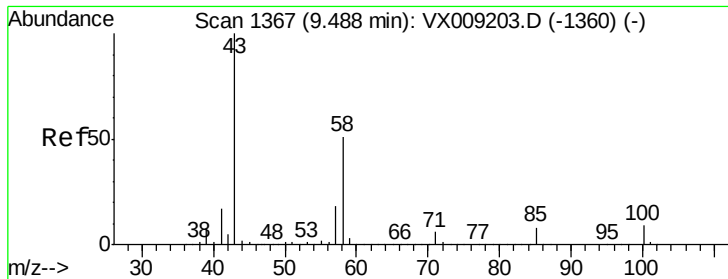
MMDadoda
 5/7/2019 9:41:50 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.748 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VX009340.D
 Acq: 06 May 2019 11:11

Tgt Ion: 63 Resp: 179505
 Ion Ratio Lower Upper
 63 100
 106 25.2 19.7 29.5





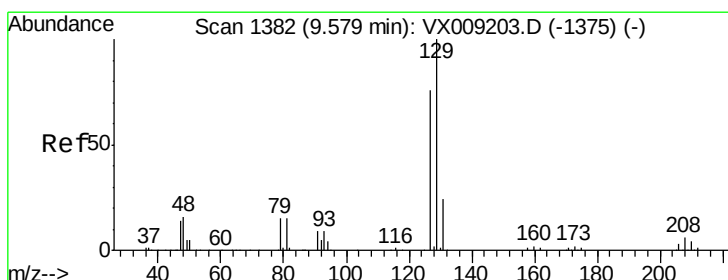
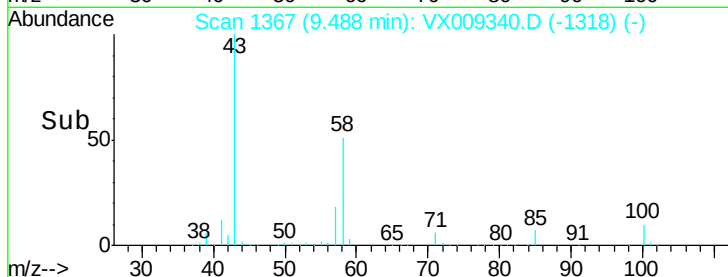
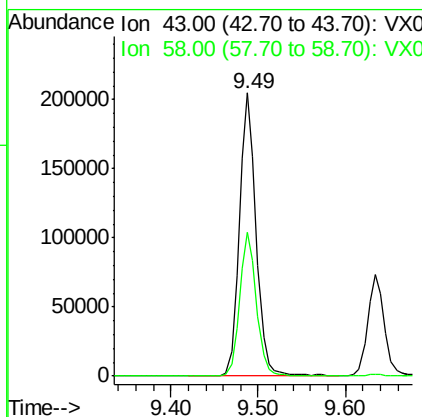
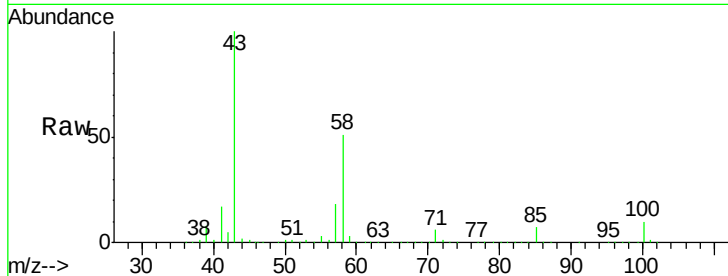
#59
2-Hexanone
Concen: 89.899 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Instrument :
MSVOA_X
ClientSampleId :
VX0506WBS01

Tot Ion: 43 Resp: 273883
Ion Ratio Lower Upper
43 100
58 51.0 25.9 77.7

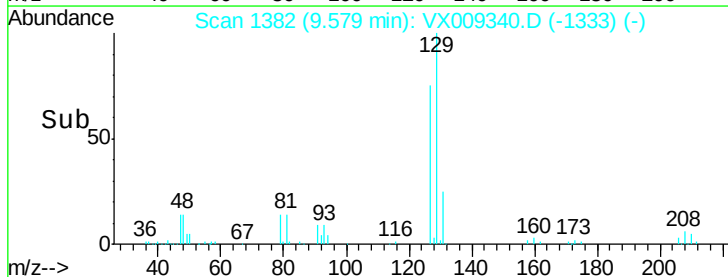
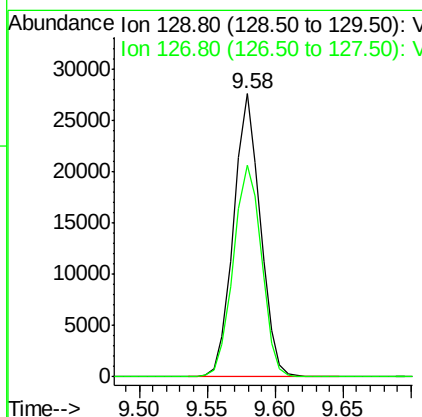
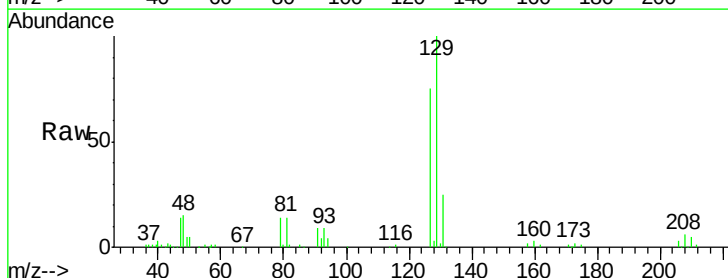
Manual Integrations
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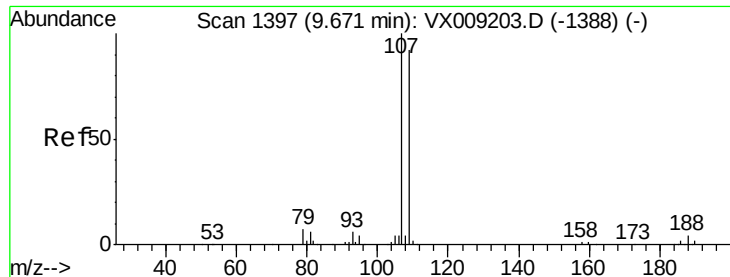
MMDadoda
5/7/2019 9:41:50 AM



#60
Dibromochloromethane
Concen: 18.971 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Tgt Ion: 129 Resp: 37869
Ion Ratio Lower Upper
129 100
127 78.8 38.4 115.1





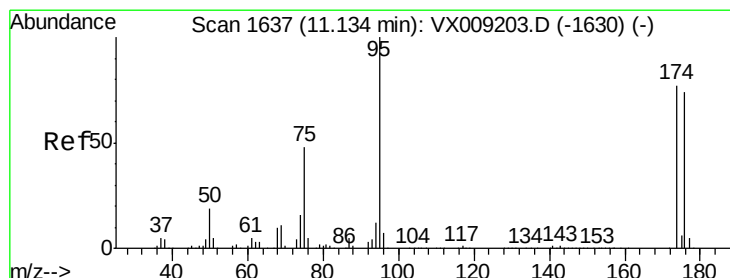
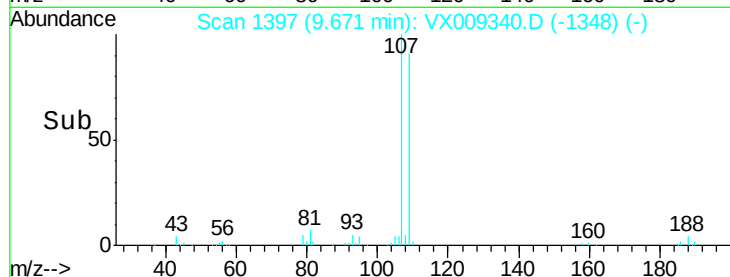
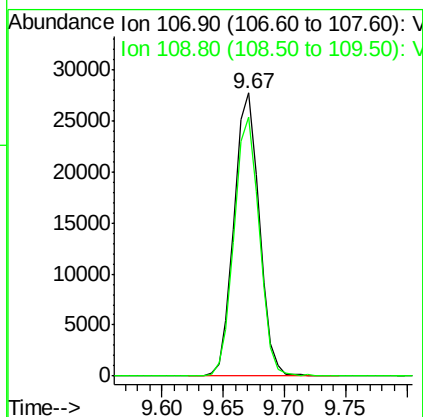
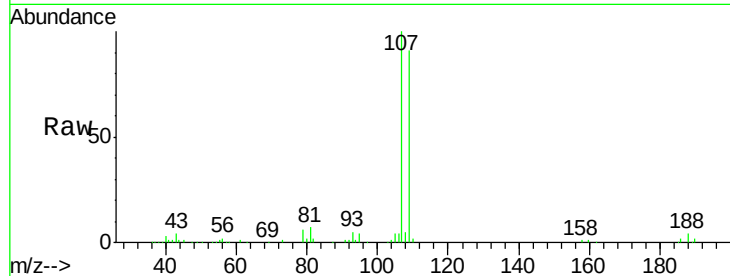
#61
 1,2-Dibromoethane
 Concen: 19.202 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX009340.D
 Acq: 06 May 2019 11:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0506WBS01

Tot Ion: 107 Resp: 39615
 Ion Ratio Lower Upper
 107 100
 109 90.9 75.2 112.8

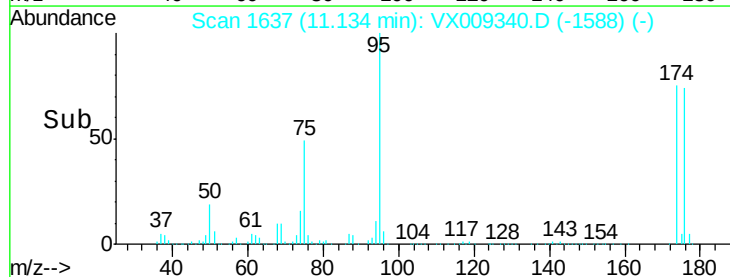
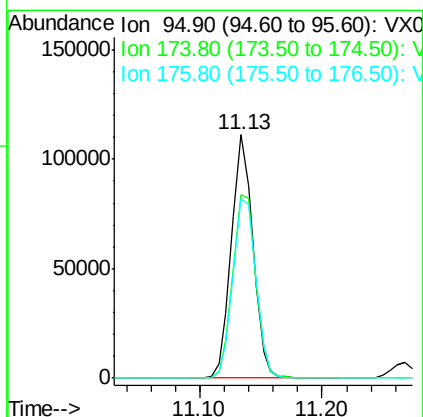
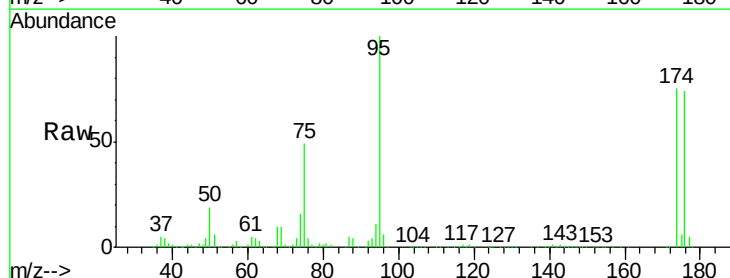
Manual Integrations
 APPROVED

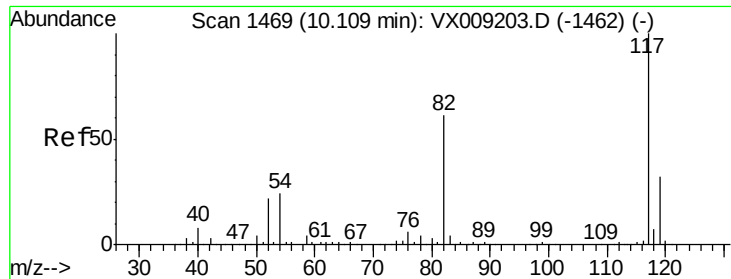
MMDadoda
 5/7/2019 9:41:50 AM



#62
 4-Bromofluorobenzene
 Concen: 50.968 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX009340.D
 Acq: 06 May 2019 11:11

Tgt Ion: 95 Resp: 134687
 Ion Ratio Lower Upper
 95 100
 174 81.3 0.0 161.6
 176 79.2 0.0 159.2





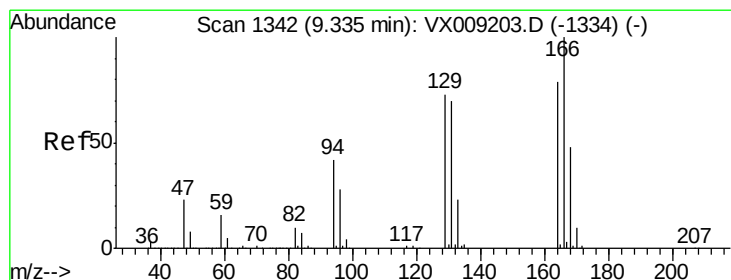
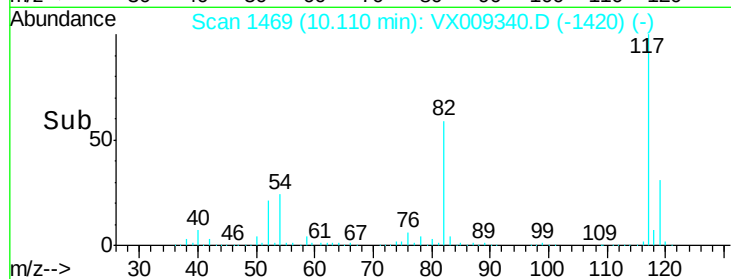
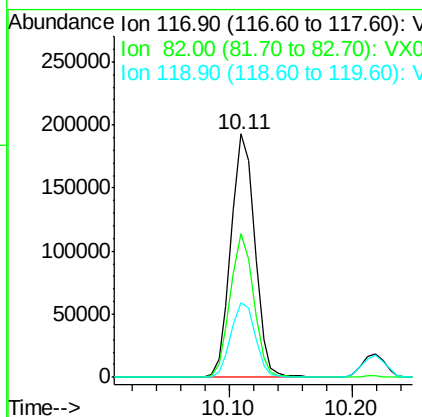
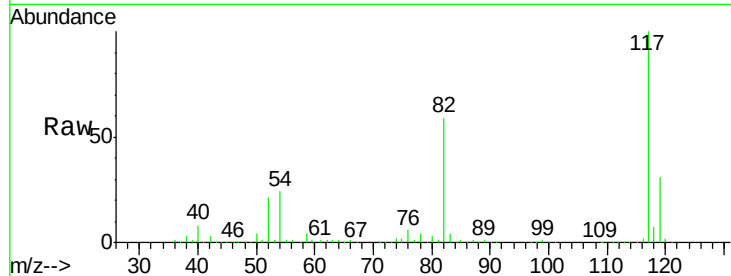
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Instrument :
MSVOA_X
ClientSampled :
VX0506WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.2	48.8	73.2
119	30.8	25.8	38.6

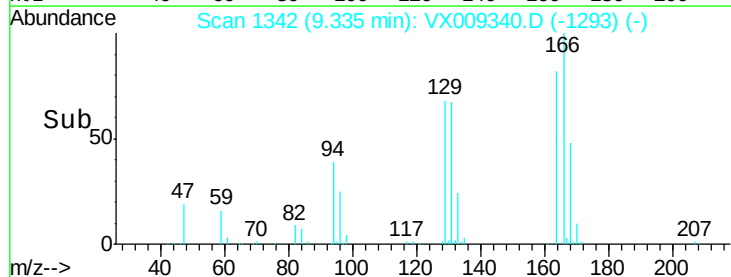
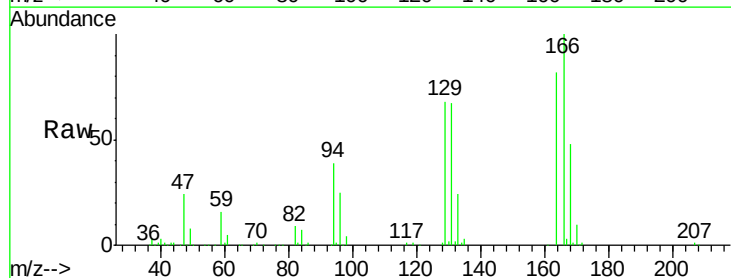
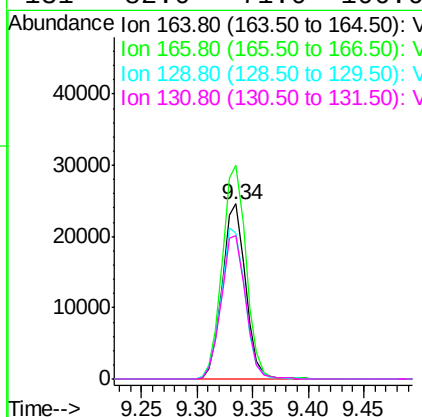
Manual Integrations
APPROVED

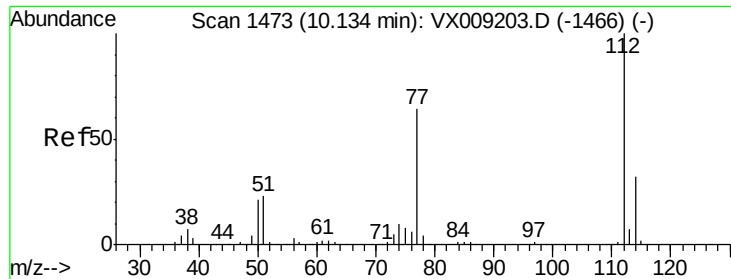
MMDadoda
5/7/2019 9:41:50 AM



#64
Tetrachloroethene
Concen: 20.031 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.1	101.2	151.8
129	83.4	74.3	111.5
131	82.0	71.0	106.6





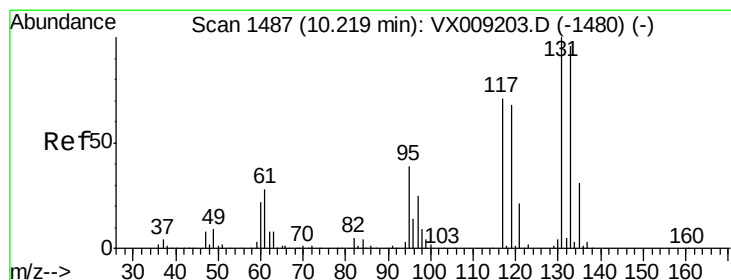
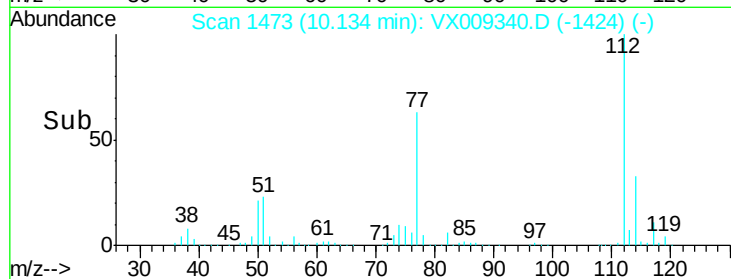
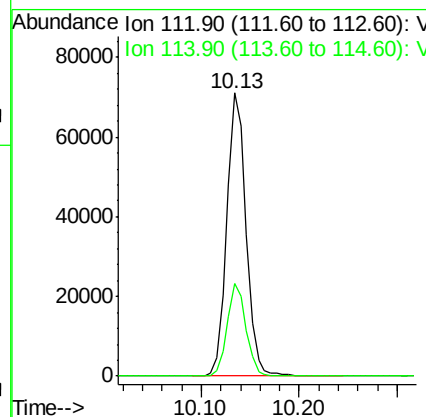
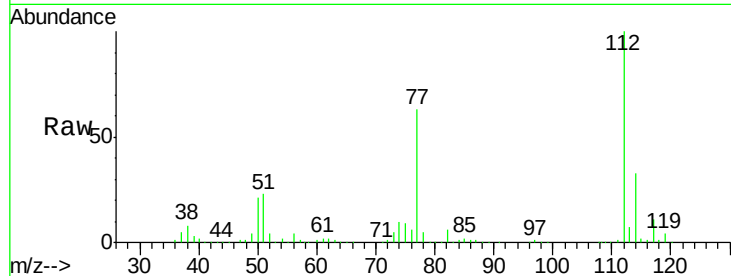
#65
Chlorobenzene
Concen: 18.673 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Instrument :
MSVOA_X
ClientSampleId :
VX0506WBS01

Tot Ion:112 Resp: 96990
Ion Ratio Lower Upper
112 100
114 32.7 25.5 38.3

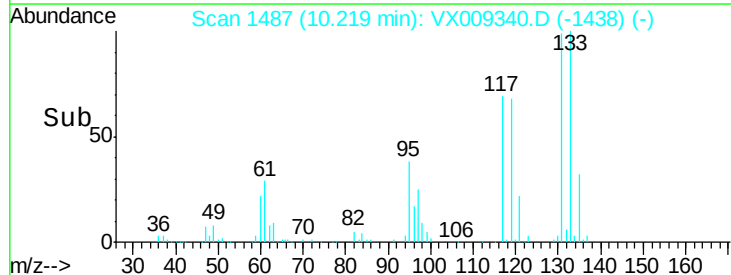
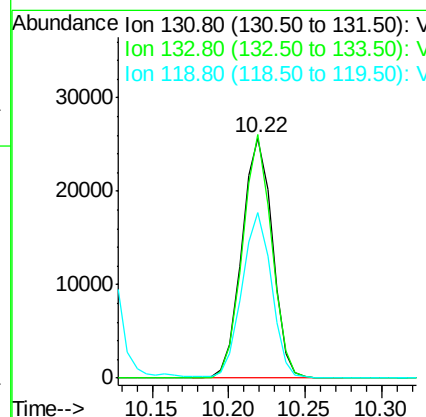
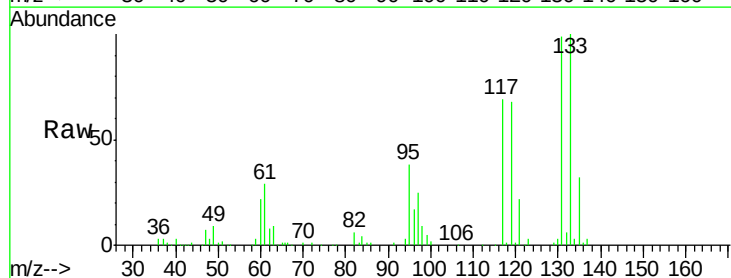
Manual Integrations
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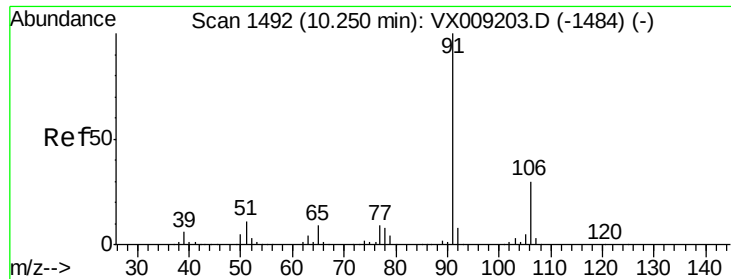
MMDadoda
5/7/2019 9:41:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.920 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Tgt Ion:131 Resp: 35628
Ion Ratio Lower Upper
131 100
133 96.5 47.7 143.1
119 67.0 33.5 100.4





#67

Ethyl Benzene

Concen: 18.677 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Instrument :

MSVOA_X

ClientSampled :

VX0506WBS01

Tot Ion: 91 Resp: 178544

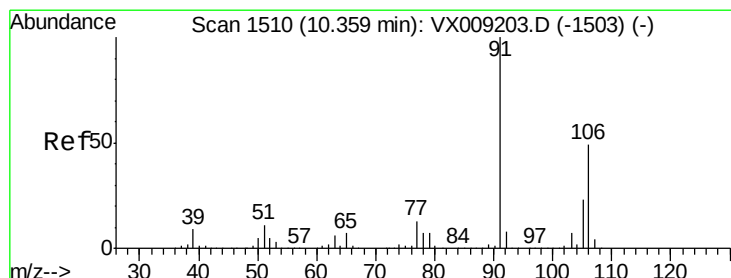
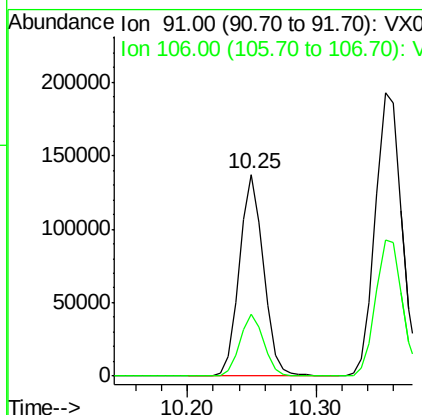
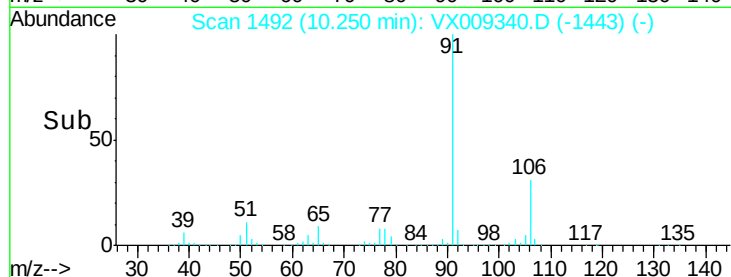
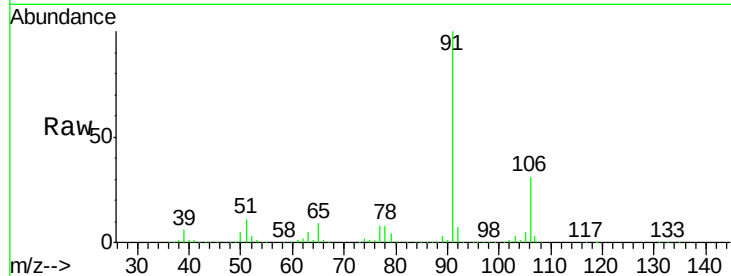
Ion Ratio Lower Upper

91 100

106 30.6 24.0 36.0

Manual Integrations
APPROVED

MMDadoda
5/7/2019 9:41:50 AM



#68

m/p-Xylenes

Concen: 37.956 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX009340.D

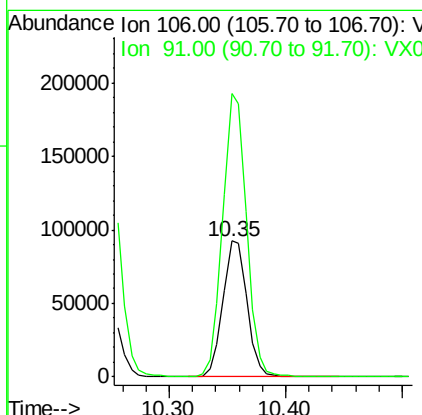
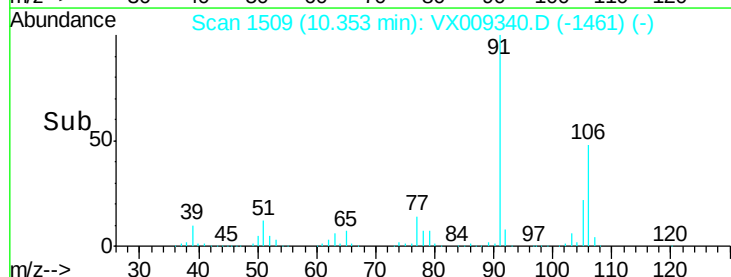
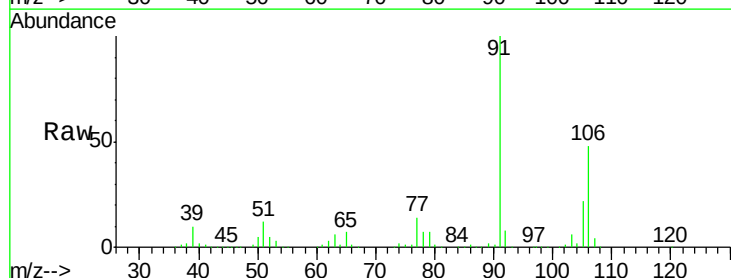
Acq: 06 May 2019 11:11

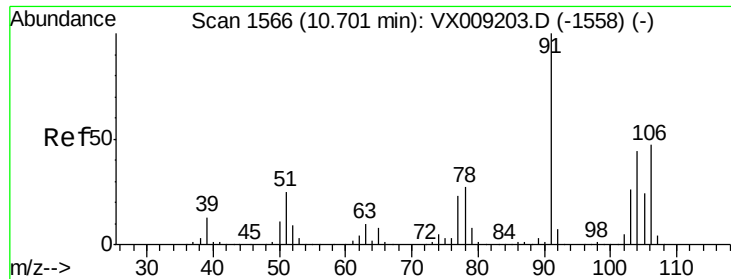
Tgt Ion: 106 Resp: 132593

Ion Ratio Lower Upper

106 100

91 206.2 164.0 246.0





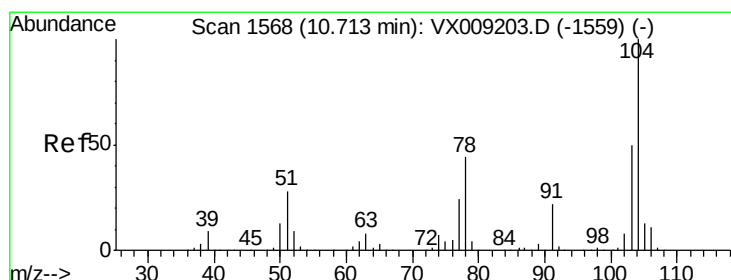
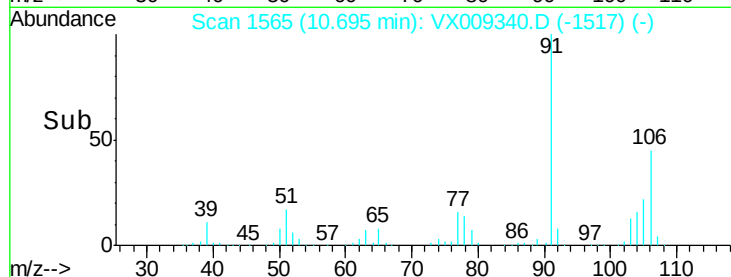
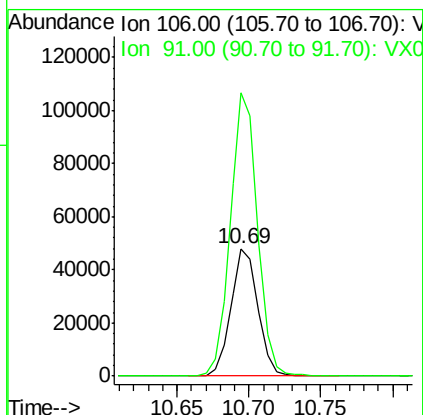
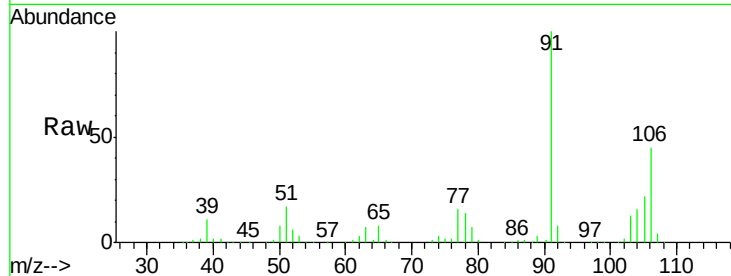
#69
o-Xylene
Concen: 18.293 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Instrument :
MSVOA_X
ClientSampled :
VX0506WBS01

Tot Ion:106 Resp: 63048
Ion Ratio Lower Upper
106 100
91 223.3 109.5 328.4

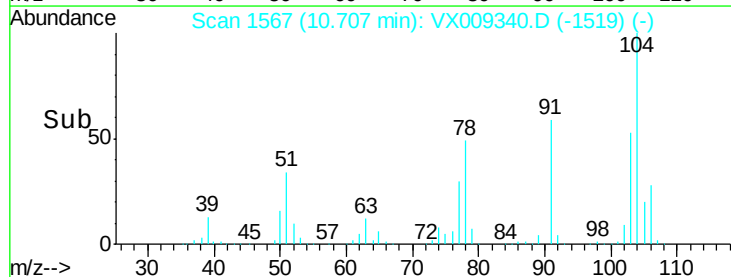
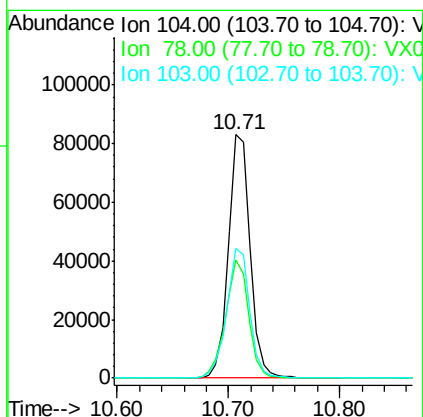
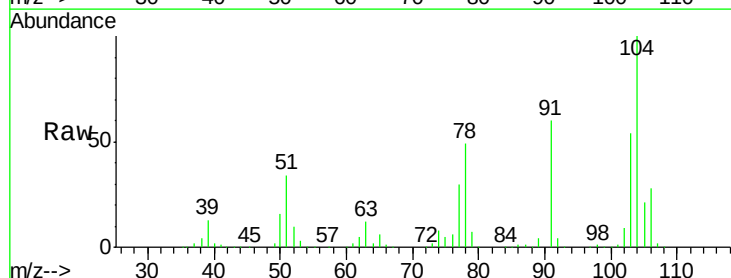
Manual Integrations
APPROVED

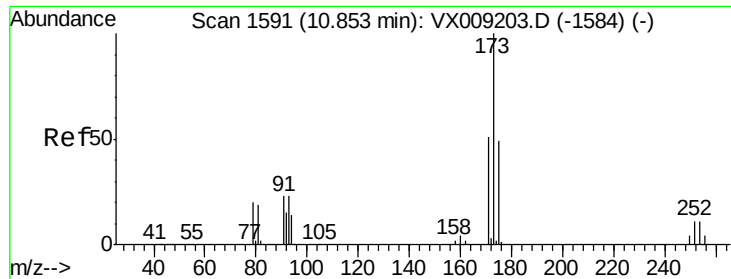
MMDadoda
5/7/2019 9:41:50 AM



#70
Styrene
Concen: 18.691 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Tgt Ion:104 Resp: 111971
Ion Ratio Lower Upper
104 100
78 51.8 41.0 61.4
103 56.7 43.8 65.6





#71

Bromoform

Concen: 18.290 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Instrument :

MSVOA_X

ClientSampled :

VX0506WBS01

Tot Ion:173 Resp: 27990

Ion Ratio Lower Upper

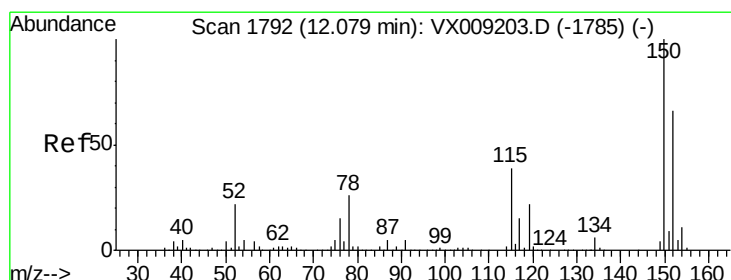
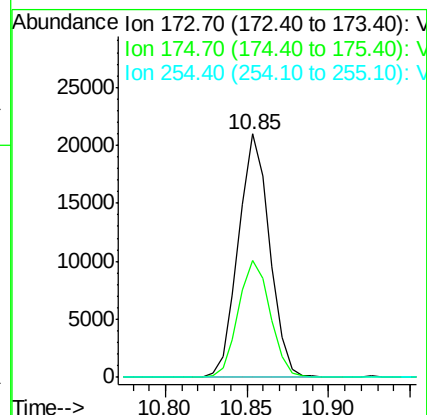
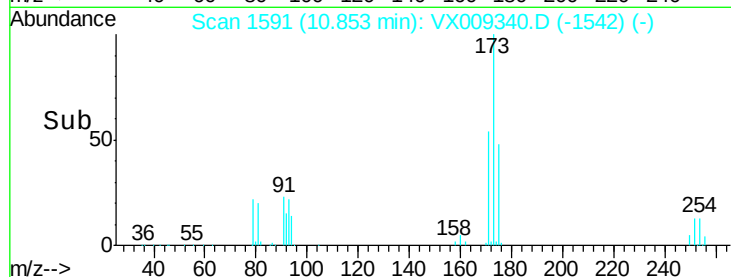
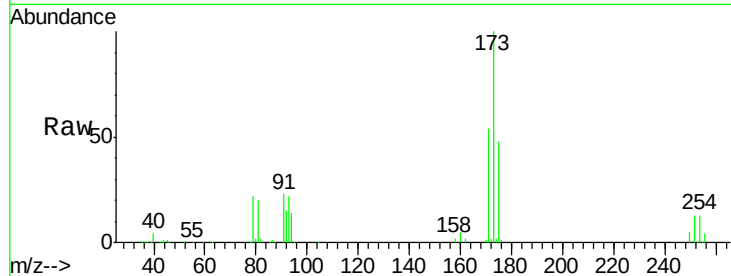
173 100

175 49.4 24.5 73.5

254 0.1 0.1 0.1

Manual Integrations
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5/7/2019 9:41:50 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

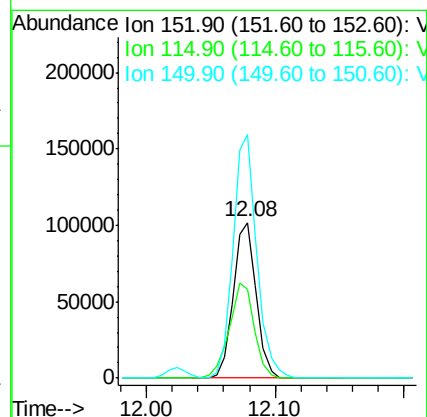
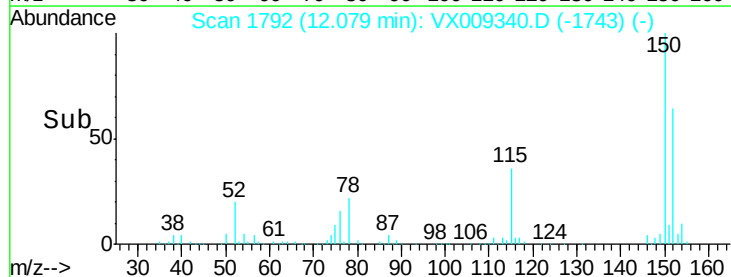
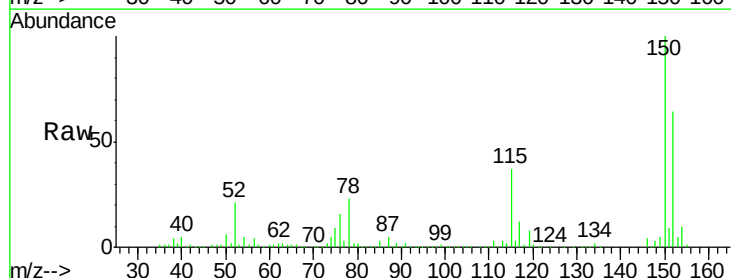
Tgt Ion:152 Resp: 126535

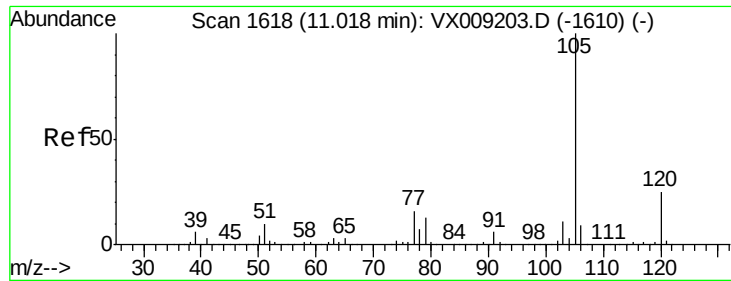
Ion Ratio Lower Upper

152 100

115 67.0 41.2 123.6

150 162.0 0.0 346.4





#73

Isopropylbenzene

Concen: 18.836 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0506WBS01

Tot Ion: 105 Resp: 173320

Ion Ratio Lower Upper

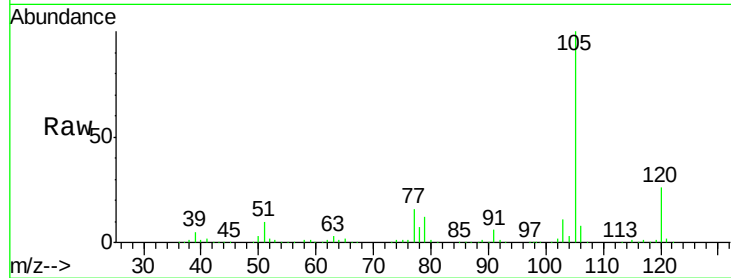
105 100

120 25.8 12.8 38.3

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

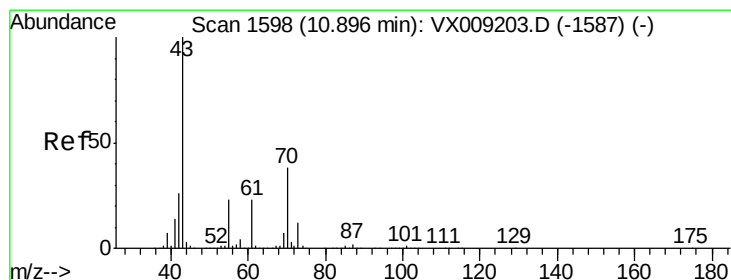
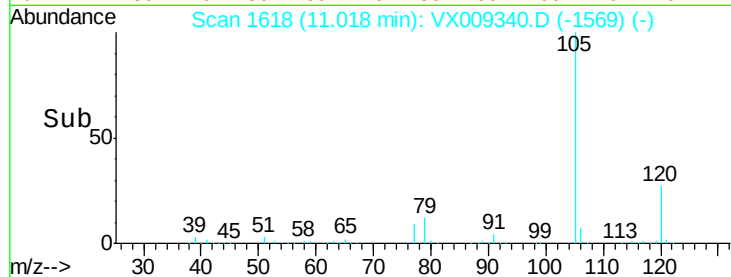
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 17.727 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Tgt Ion: 43 Resp: 95096

Ion Ratio Lower Upper

43 100

70 37.3 30.0 45.0

55 23.4 17.9 26.9

61 22.8 18.4 27.6

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10.90

120000

100000

80000

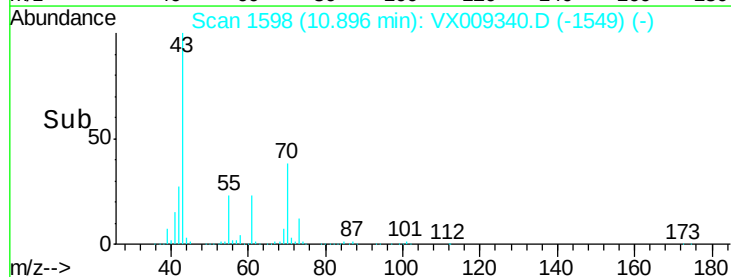
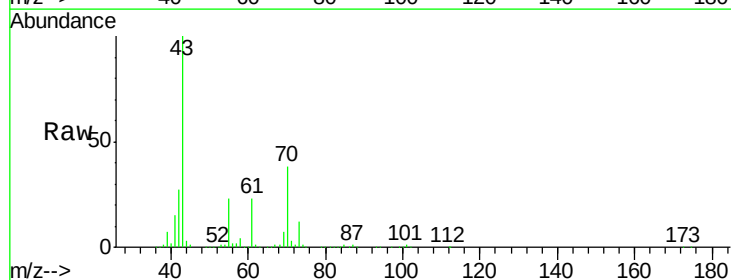
60000

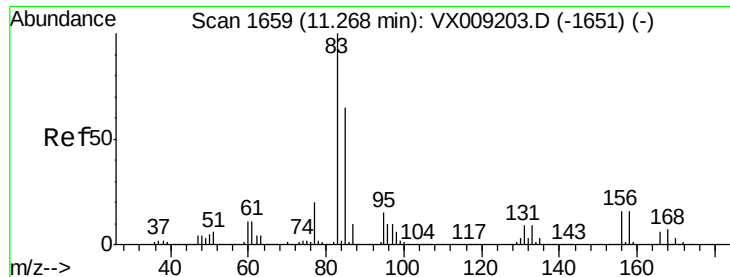
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.120 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Instrument :

MSVOA_X

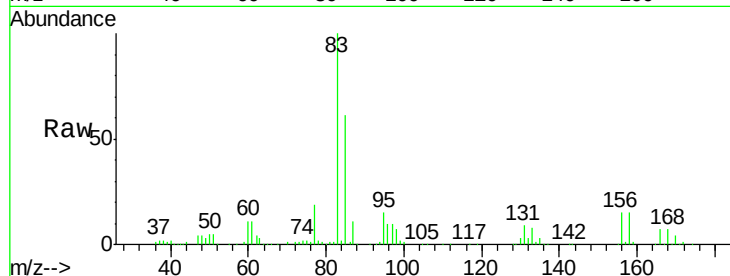
ClientSampleId :

VX0506WBS01

Tot Ion:	83	Resp:	62156
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.6	13.8
85	63.3	32.0	96.2

Manual Integrations
APPROVED

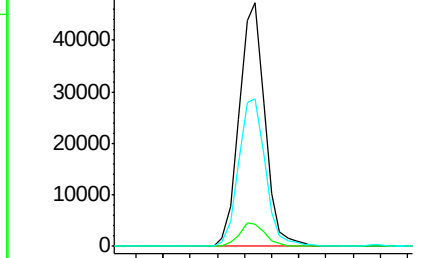
MMDadoda
5/7/2019 9:41:50 AM



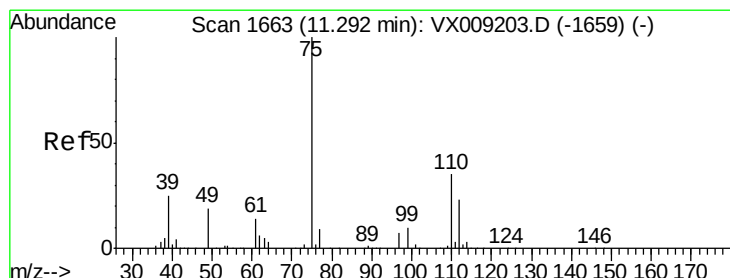
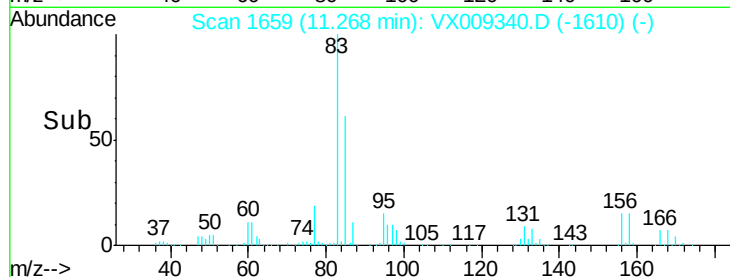
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



Time-->



#76

1,2,3-Trichloropropane

Concen: 18.673 ug/l m

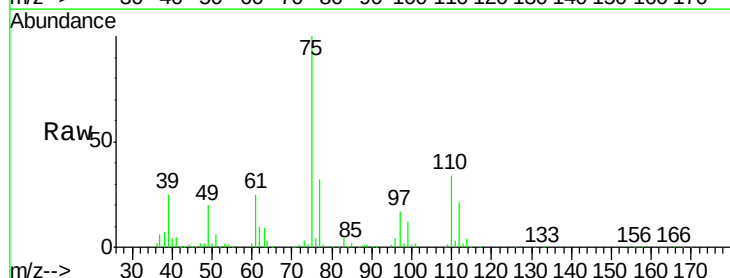
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009340.D

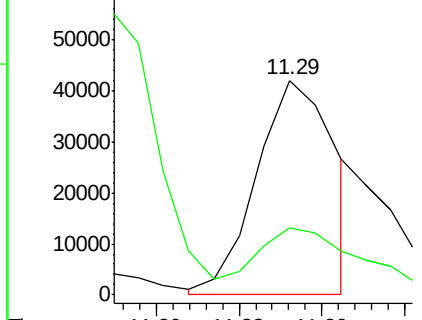
Acq: 06 May 2019 11:11

Tgt Ion:	75	Resp:	54808
Ion Ratio	Lower	Upper	
75	100		
77	42.7	22.1	66.1

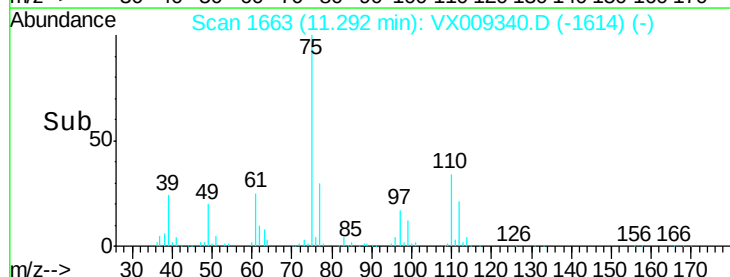


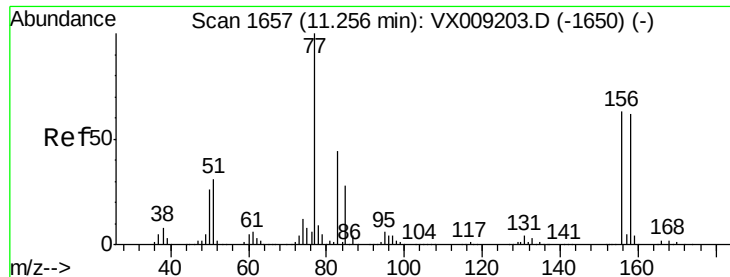
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->





#77

Bromobenzene

Concen: 18.526 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Instrument :

MSVOA_X

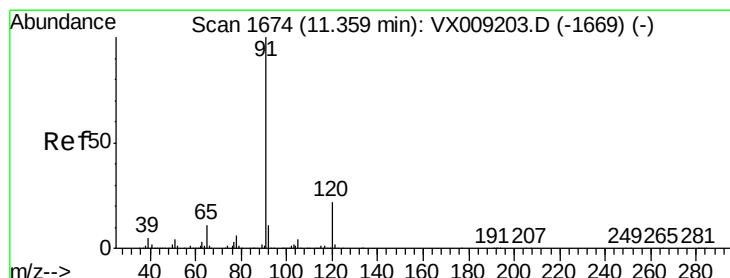
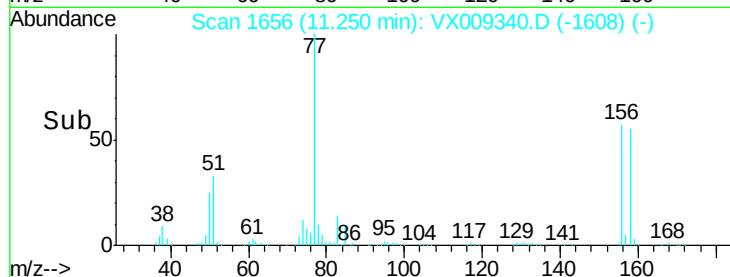
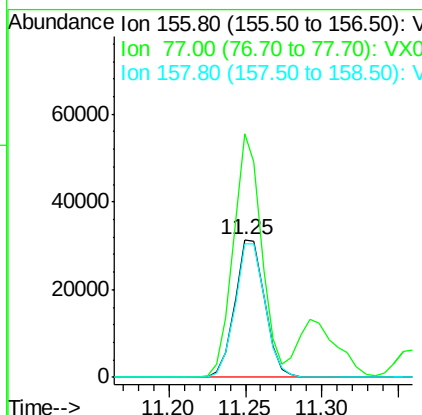
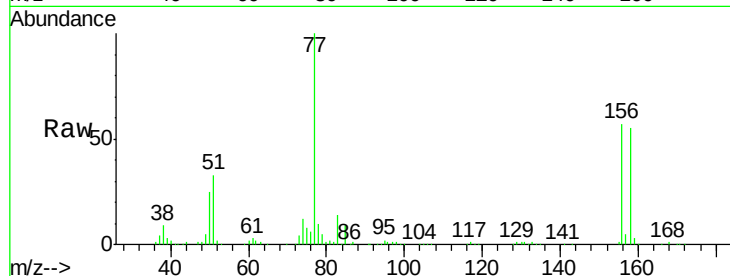
ClientSampled :

VX0506WBS01

Tot Ion:	156	Resp:	42310
Ion	Ratio	Lower	Upper
156	100		
77	167.7	84.8	254.3
158	98.0	49.1	147.3

Manual Integrations
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5/7/2019 9:41:50 AM



#78

n-propylbenzene

Concen: 19.084 ug/l

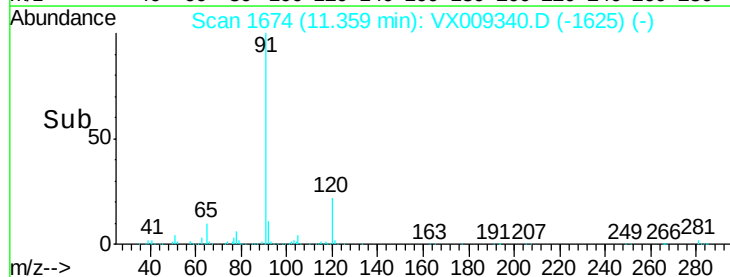
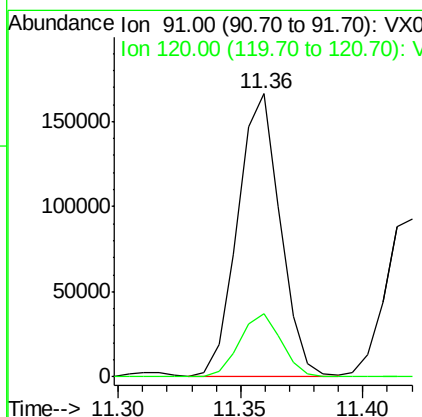
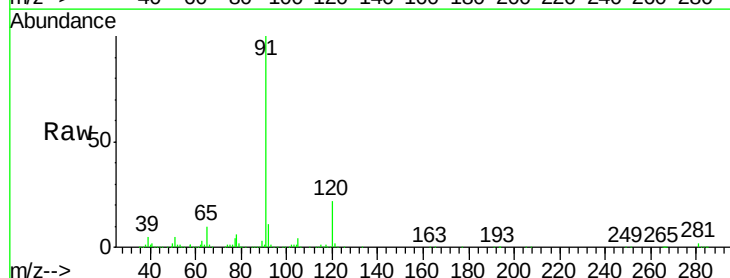
RT: 11.36 min Scan# 1674

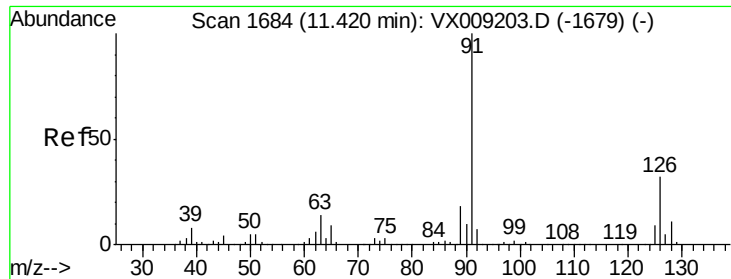
Delta R.T. 0.00 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Tgt Ion:	91	Resp:	200548
Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.0	33.0





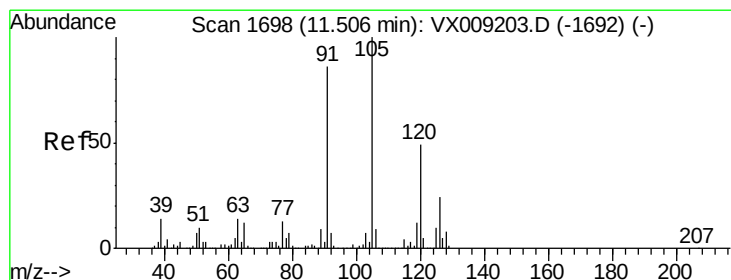
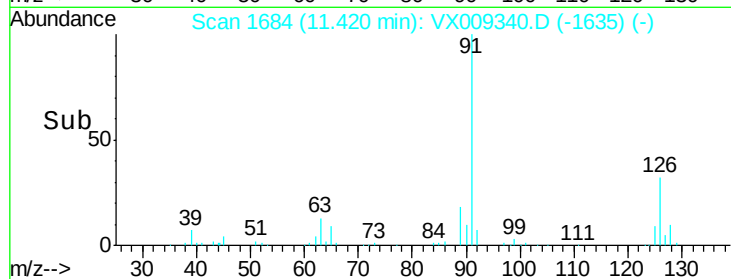
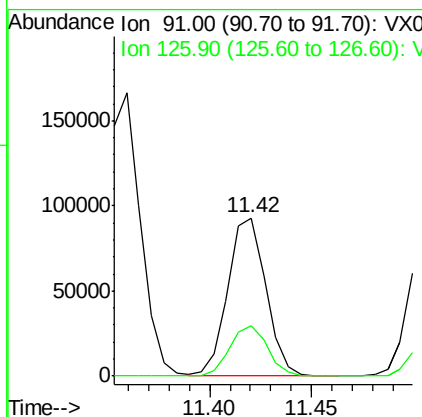
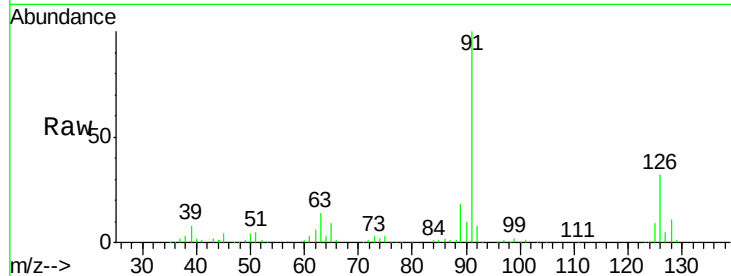
#79
 2-Chlorotoluene
 Concen: 18.482 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX009340.D
 Acq: 06 May 2019 11:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0506WBS01

Tot Ion: 91 Resp: 119822
 Ion Ratio Lower Upper
 91 100
 126 32.1 16.3 48.9

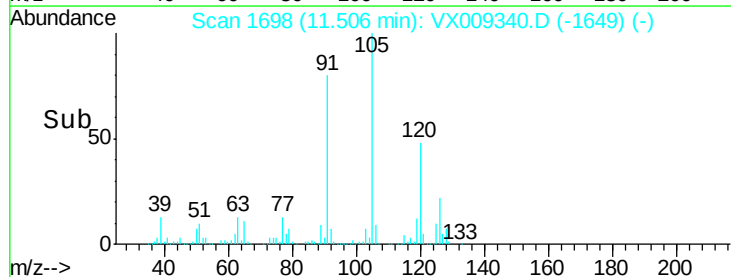
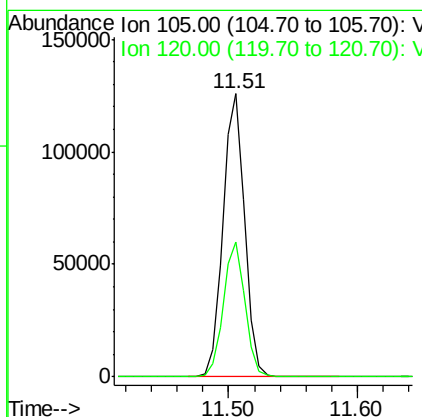
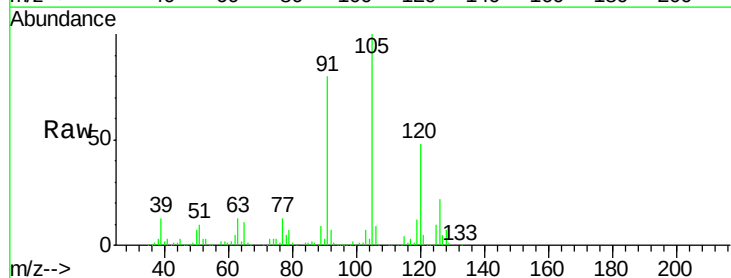
Manual Integrations
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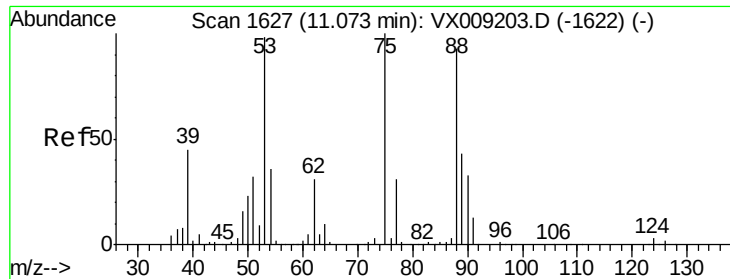
MMDadoda
 5/7/2019 9:41:50 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.249 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009340.D
 Acq: 06 May 2019 11:11

Tgt Ion: 105 Resp: 149132
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.3 72.9





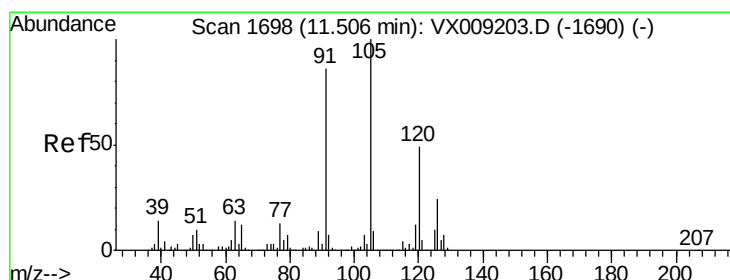
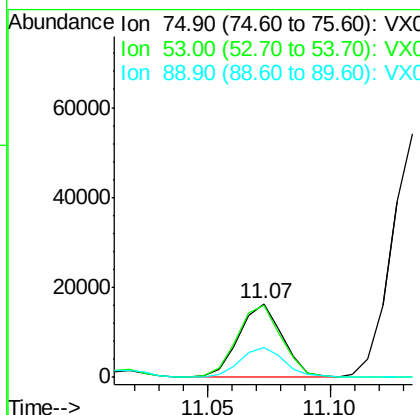
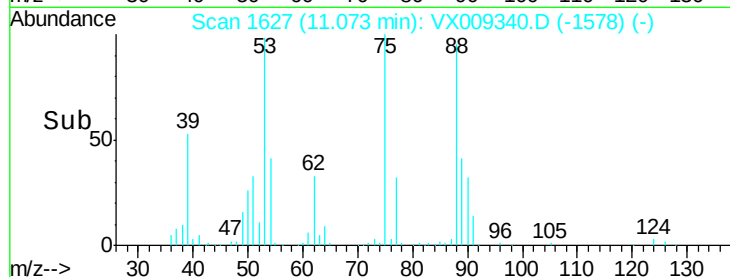
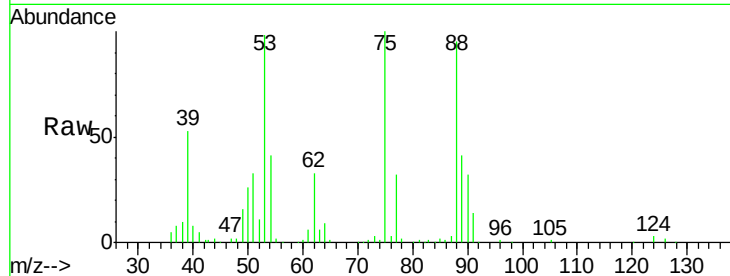
#81
trans-1,4-Dichloro-2-butene
Concen: 17.775 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Instrument :
MSVOA_X
ClientSampleId :
VX0506WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.1	79.0	118.6
89	42.8	34.7	52.1

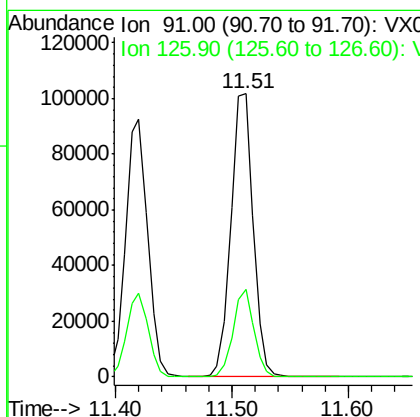
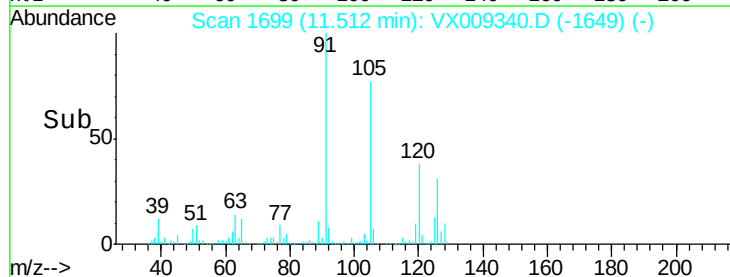
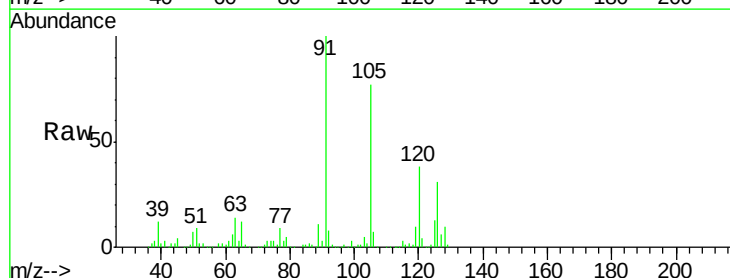
Manual Integrations
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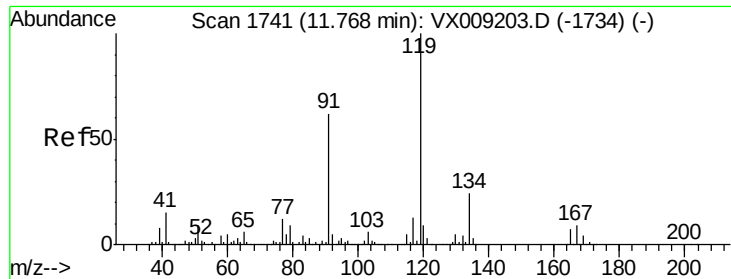
MMDadoda
5/7/2019 9:41:50 AM



#82
4-Chlorotoluene
Concen: 18.541 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.0	14.5	43.6





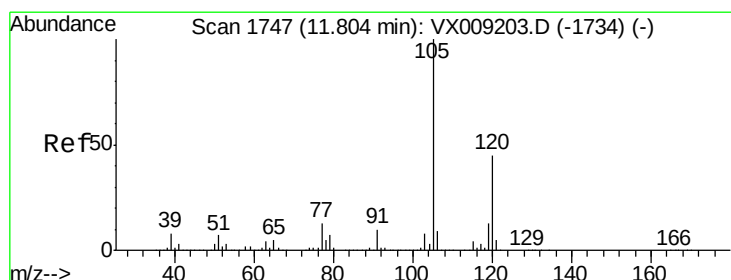
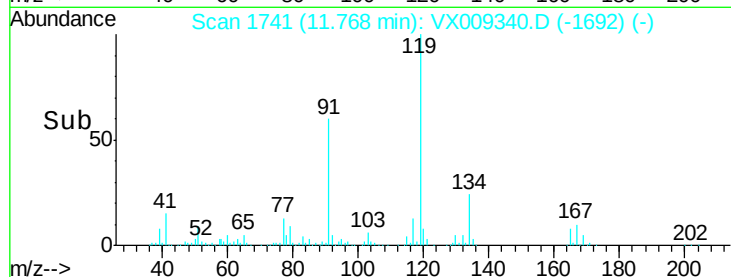
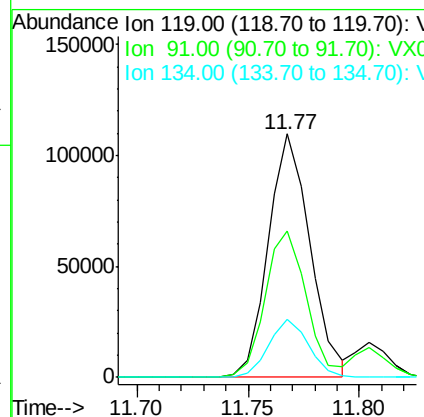
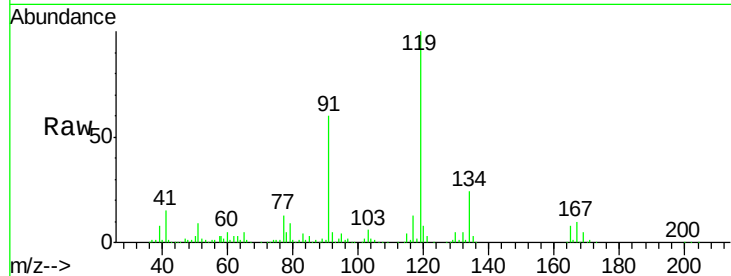
#83
tert-Butylbenzene
Concen: 18.908 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Instrument :
MSVOA_X
ClientSampleId :
VX0506WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	142511		
91	59.5	29.5	88.5	
134	22.9	11.4	34.1	

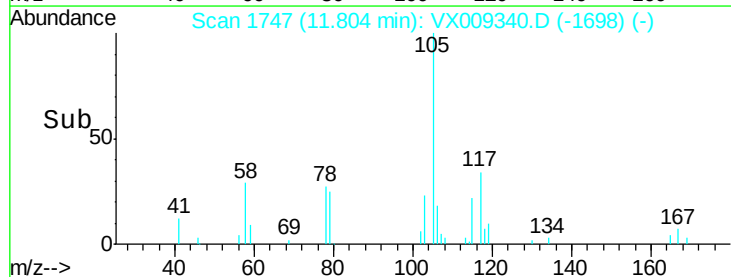
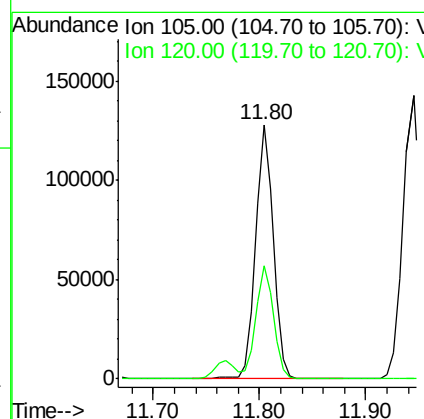
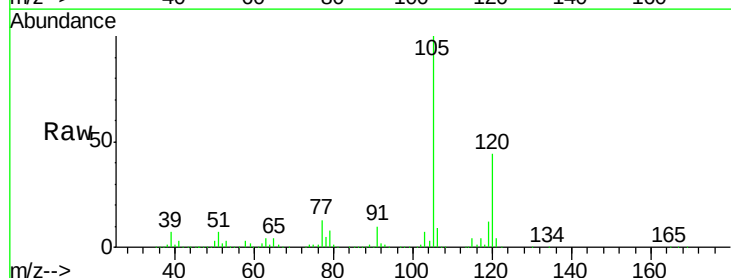
Manual Integrations
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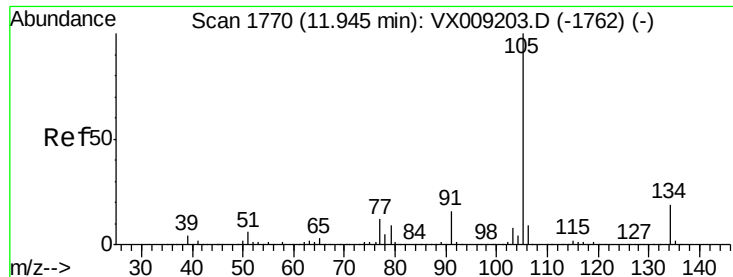
MMDadoda
5/7/2019 9:41:50 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.226 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	149514		
120	44.7	22.0	66.0	





#85

sec-Butylbenzene

Concen: 19.279 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0506WBS01

Tot Ion:105 Resp: 172264

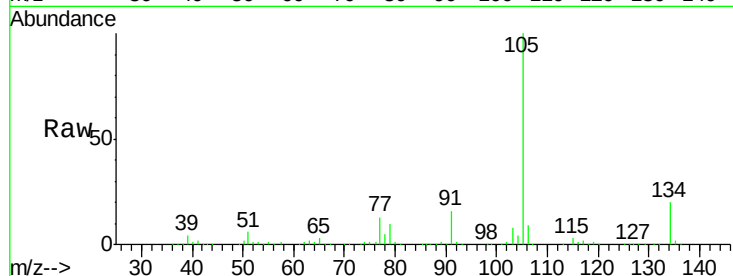
Ion Ratio Lower Upper

105 100

134 19.4 9.7 28.9

Manual Integrations
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5/7/2019 9:41:50 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

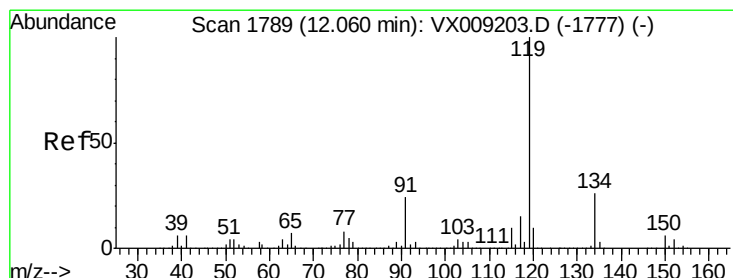
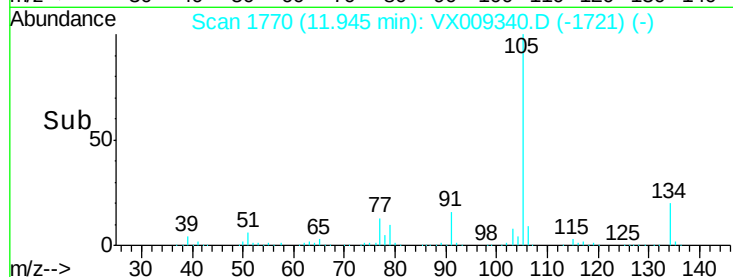
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.707 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

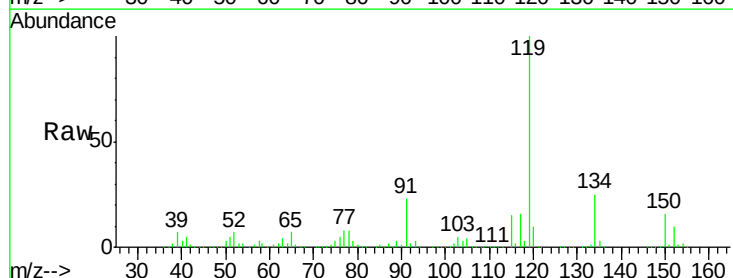
Tgt Ion:119 Resp: 158303

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 23.4 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

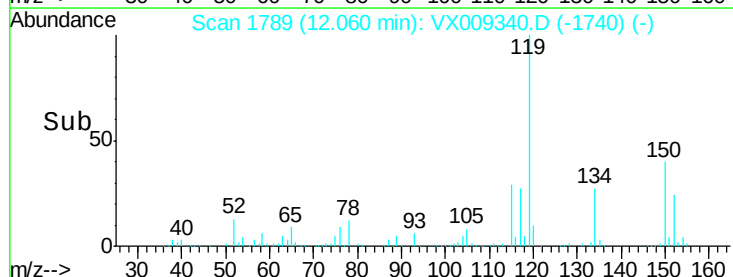
150000

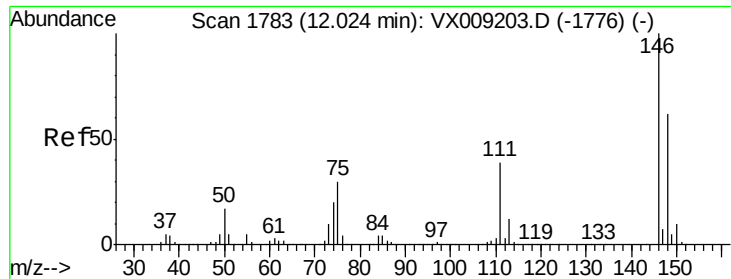
100000

50000

0

Time-->





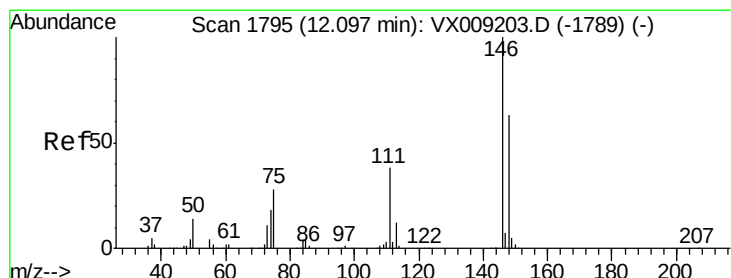
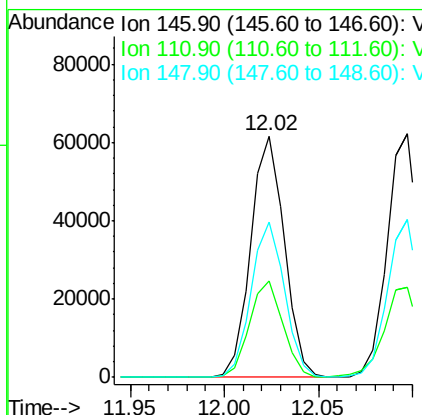
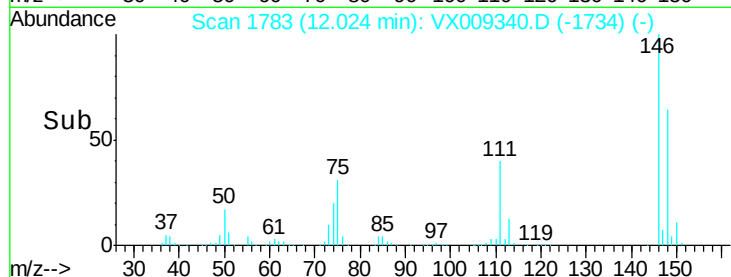
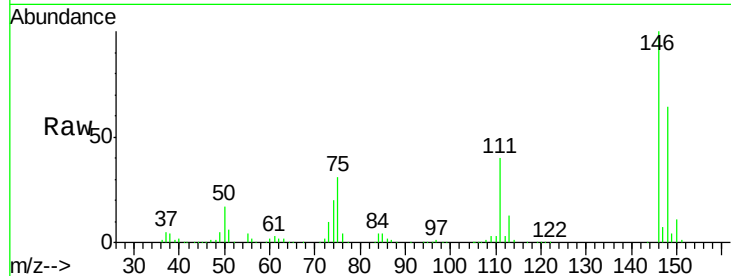
#87
 1,3-Dichlorobenzene
 Concen: 18.781 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009340.D
 Acq: 06 May 2019 11:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0506WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	64.1	31.8	95.3

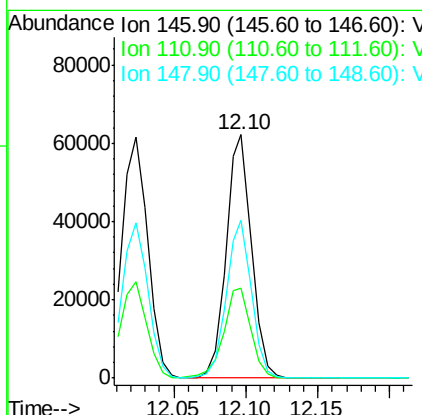
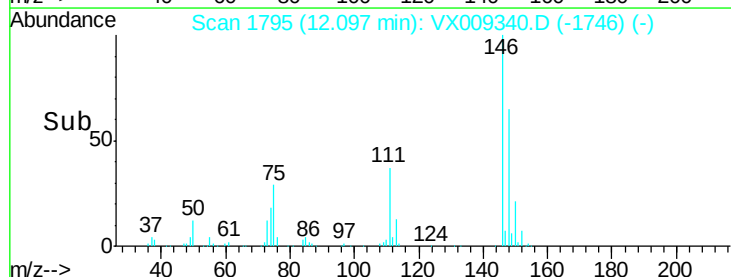
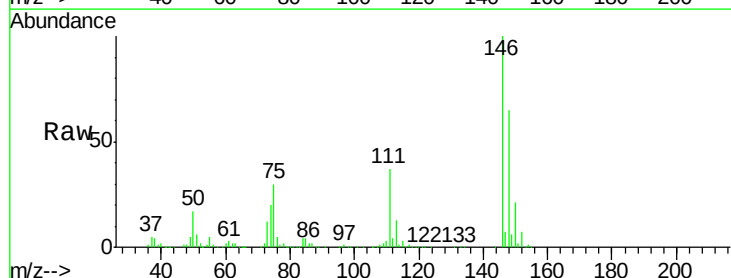
Manual Integrations
 APPROVED

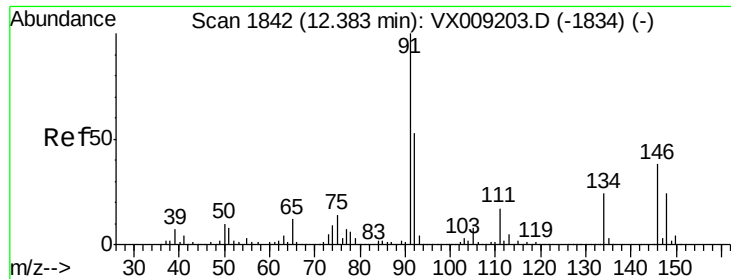
MMDadoda
 5/7/2019 9:41:50 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.759 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009340.D
 Acq: 06 May 2019 11:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.6	58.8
148	64.4	31.8	95.3





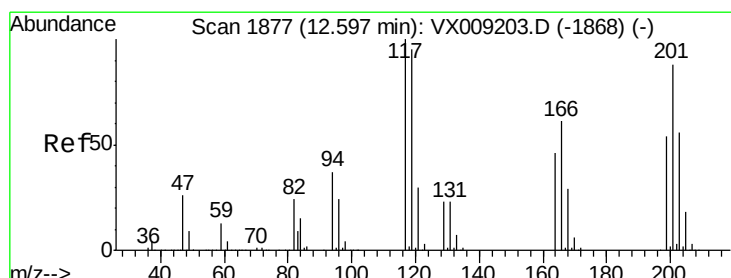
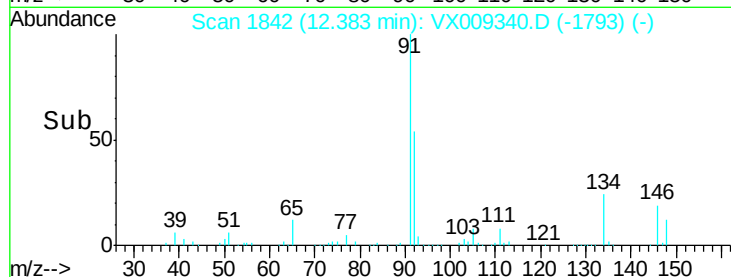
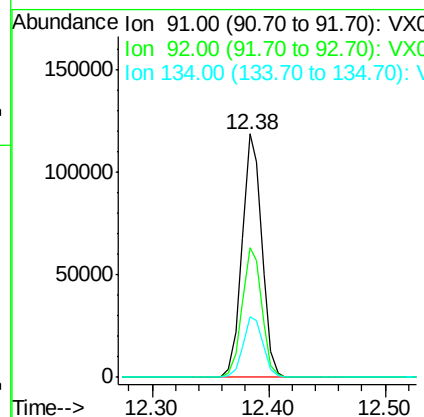
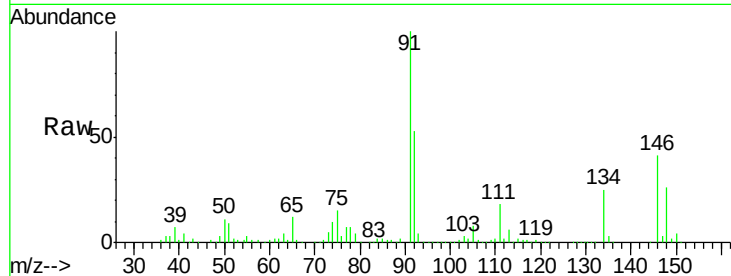
#89
n-Butylbenzene
Concen: 19.349 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Instrument :
MSVOA_X
ClientSampleId :
VX0506WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.5	79.5
134	25.1	12.4	37.2

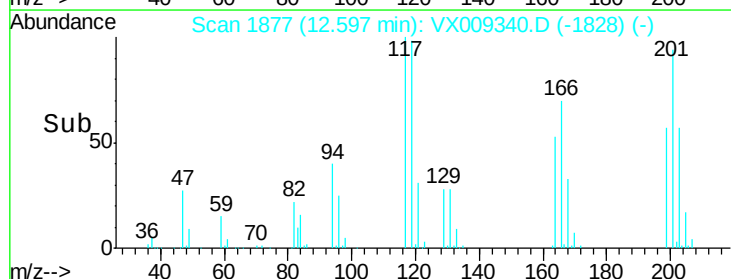
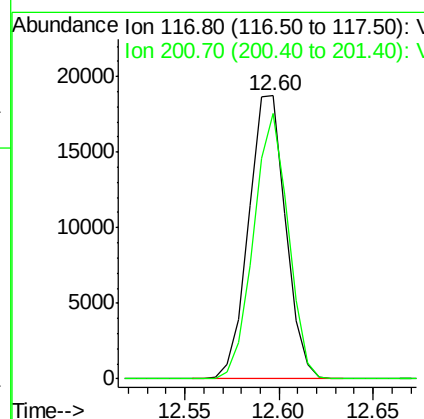
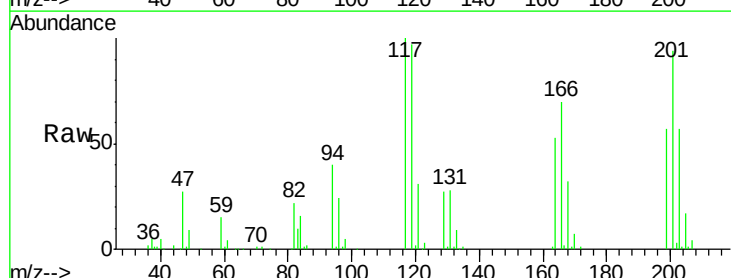
Manual Integrations
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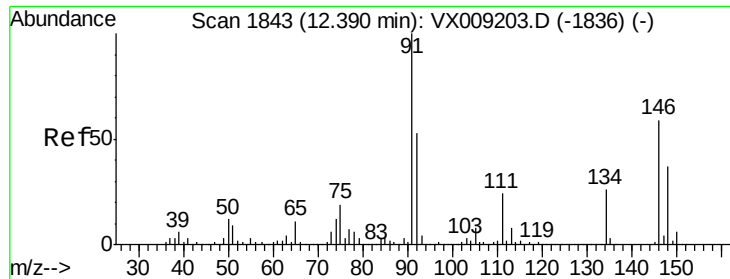
MMDadoda
5/7/2019 9:41:50 AM



#90
Hexachloroethane
Concen: 18.616 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009340.D
Acq: 06 May 2019 11:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.8	42.3	126.9





#91

1,2-Dichlorobenzene

Concen: 18.400 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Instrument :

MSVOA_X

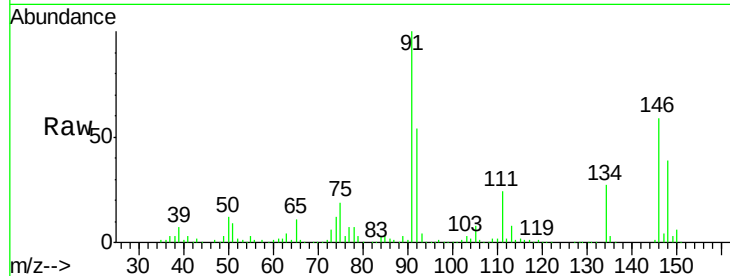
ClientSampleId :

VX0506WBS01

Tot Ion:	146	Resp:	76304
Ion Ratio	Lower	Upper	
146	100		
111	41.6	20.8	62.4
148	64.4	31.9	95.9

Manual Integrations
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MMDadoda
5/7/2019 9:41:50 AM

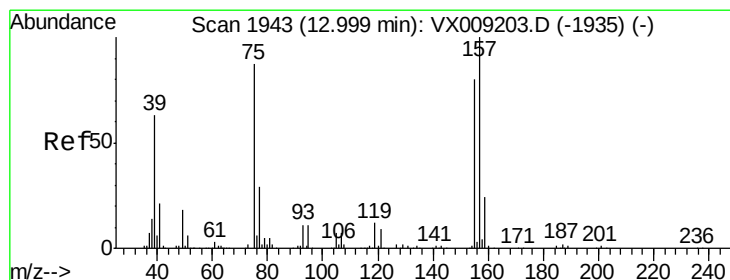
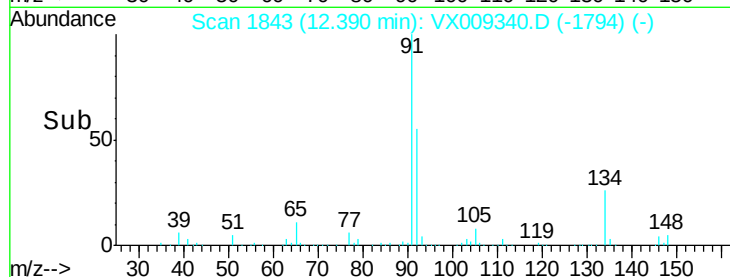
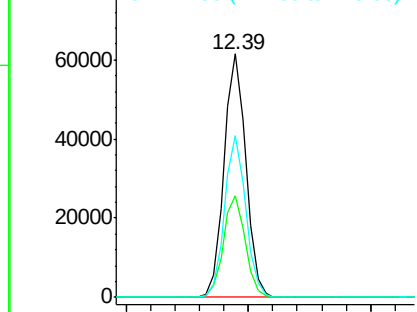


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.008 ug/l

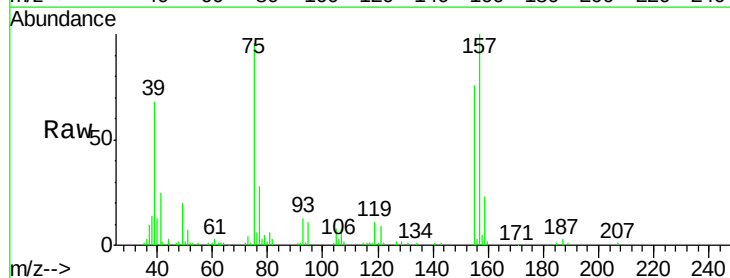
RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Tgt Ion:	75	Resp:	13857
Ion Ratio	Lower	Upper	
75	100		
155	81.0	42.0	126.0
157	103.2	53.2	159.6

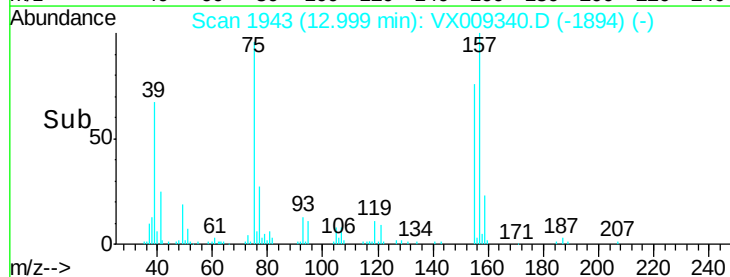
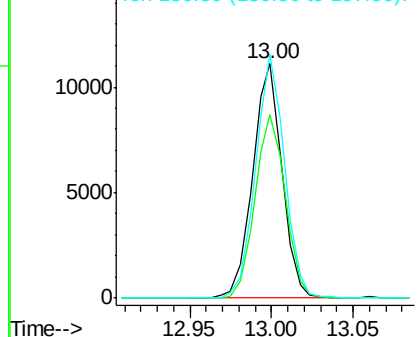


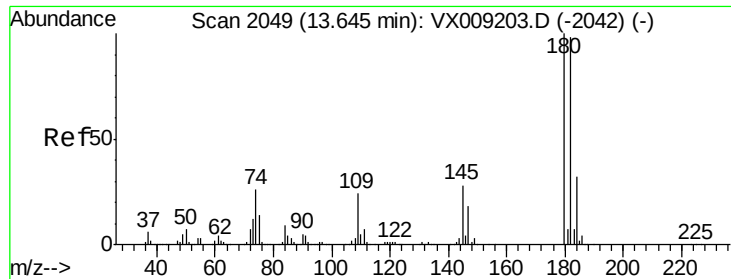
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





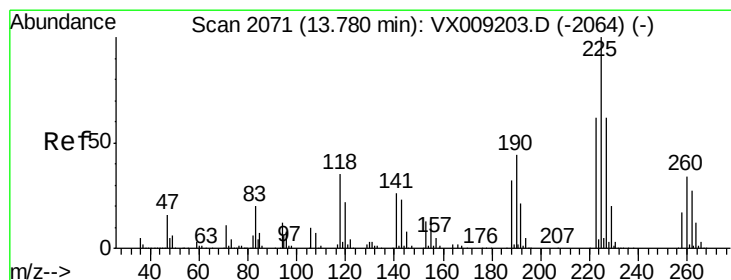
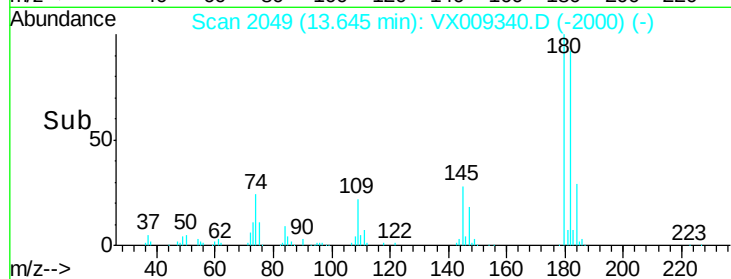
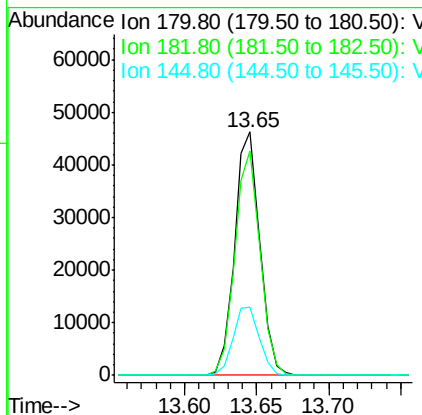
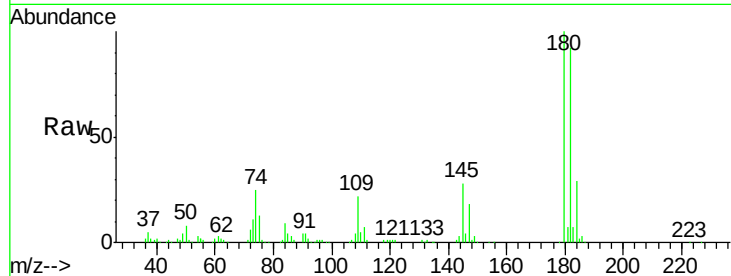
#93
 1,2,4-Trichlorobenzene
 Concen: 19.846 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009340.D
 Acq: 06 May 2019 11:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0506WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	56278		
182	92.8		48.4	145.2
145	29.5		14.6	43.8

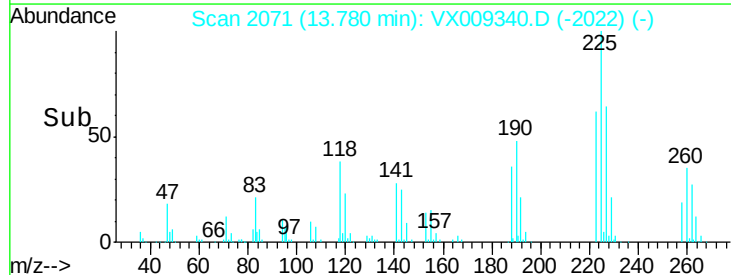
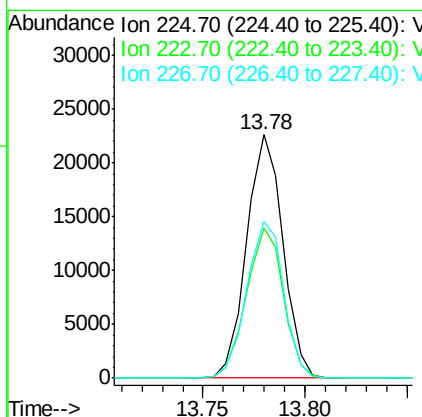
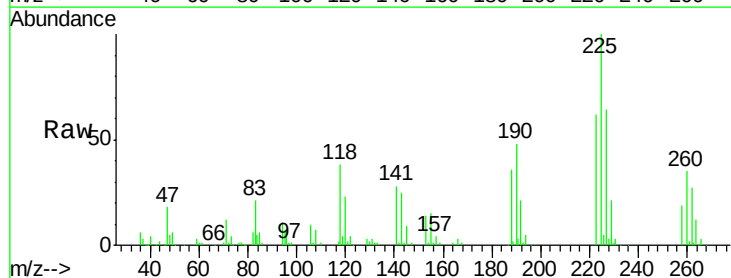
Manual Integrations
 APPROVED

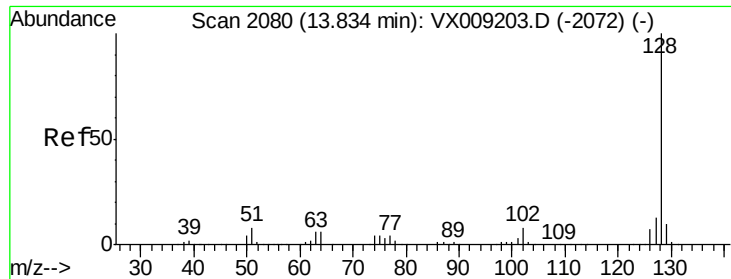
MMDadoda
 5/7/2019 9:41:50 AM



#94
 Hexachlorobutadiene
 Concen: 19.284 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009340.D
 Acq: 06 May 2019 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	27926		
223	62.9		31.3	93.8
227	65.6		31.8	95.3





#95

Naphthalene

Concen: 19.323 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Instrument :

MSVOA_X

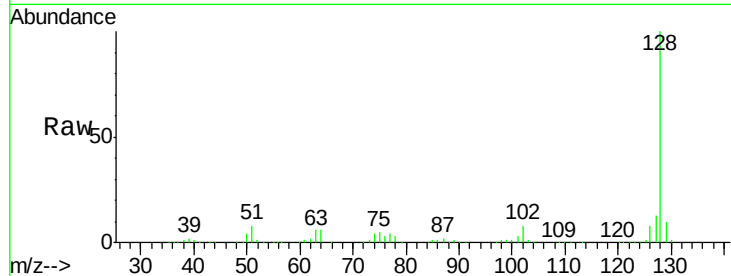
ClientSampleId :

VX0506WBS01

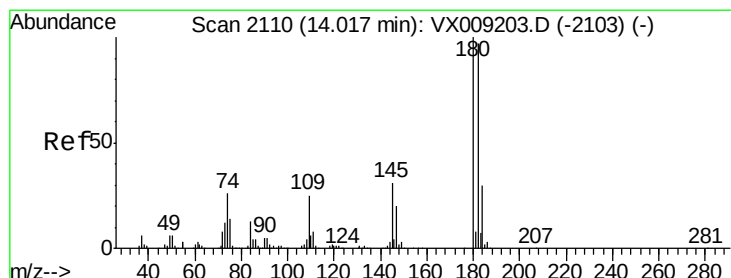
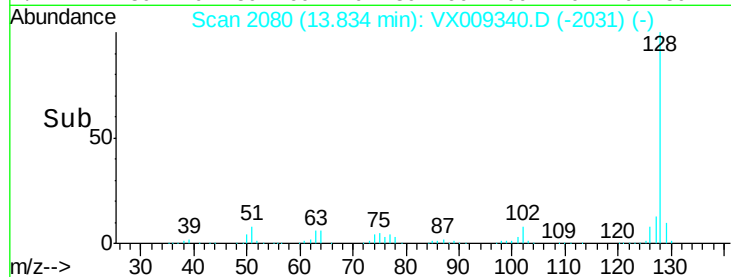
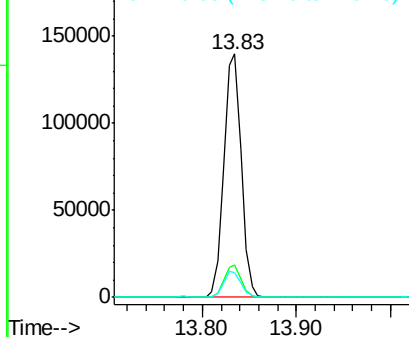
Tot Ion:	128	Resp:	178276
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/7/2019 9:41:50 AM



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



#96

1,2,3-Trichlorobenzene

Concen: 19.965 ug/l

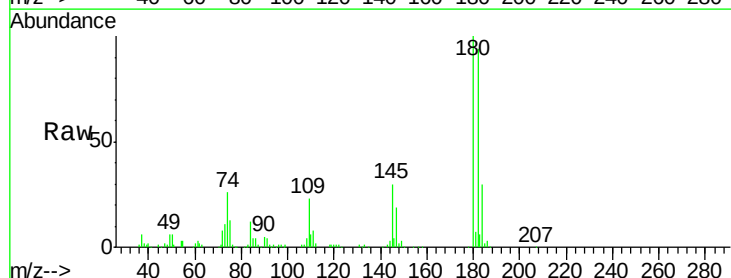
RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009340.D

Acq: 06 May 2019 11:11

Tgt Ion:	180	Resp:	57389
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.8	143.4
145	30.7	15.4	46.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

