

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052019\
 Data File : VX009721.D
 Acq On : 20 May 2019 13:18
 Operator : JC/SP
 Sample : VX0520WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/21/2019 9:13:29 AM

Quant Time: May 21 07:52:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	154001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	243622	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	222757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108395	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	98772	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
35) Dibromofluoromethane	5.49	113	73335	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
50) Toluene-d8	8.71	98	287477	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
62) 4-Bromofluorobenzene	11.13	95	106050	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	22499	15.854	ug/l	97
3) Chloromethane	1.32	50	36915	19.053	ug/l	98
4) Vinyl Chloride	1.41	62	35246	18.656	ug/l	99
5) Bromomethane	1.64	94	22676	19.997	ug/l	97
6) Chloroethane	1.72	64	23573	19.434	ug/l	98
7) Trichlorofluoromethane	1.93	101	45704	19.901	ug/l	97
8) Diethyl Ether	2.19	74	21719	19.965	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	28110	19.492	ug/l	97
10) Methyl Iodide	2.51	142	28368	19.968	ug/l	100
11) Tert butyl alcohol	3.05	59	54251	111.483	ug/l	97
12) 1,1-Dichloroethene	2.37	96	28198	19.515	ug/l	96
13) Acrolein	2.29	56	40230	91.285	ug/l	99
14) Allyl chloride	2.73	41	69857	19.838	ug/l	99
15) Acrylonitrile	3.14	53	126806	106.573	ug/l	99
16) Acetone	2.45	43	117481	104.071	ug/l	98
17) Carbon Disulfide	2.57	76	70221	17.309	ug/l	99
18) Methyl Acetate	2.78	43	57846	21.547	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	114449	20.397	ug/l	99
20) Methylene Chloride	2.85	84	36077	19.738	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	30221	19.285	ug/l	98
22) Diisopropyl ether	3.85	45	141953	20.962	ug/l	93
23) Vinyl Acetate	3.81	43	625850	107.924	ug/l	99
24) 1,1-Dichloroethane	3.70	63	67664	20.254	ug/l	100
25) 2-Butanone	4.67	43	192586	109.786	ug/l	100
26) 2,2-Dichloropropane	4.59	77	47783	19.216	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	37094	19.831	ug/l	99
28) Bromochloromethane	5.02	49	29348	20.189	ug/l	97
29) Tetrahydrofuran	5.13	42	125385	111.076	ug/l	99
30) Chloroform	5.21	83	62847	20.800	ug/l	97
31) Cyclohexane	5.58	56	59301	19.079	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	50490	20.073	ug/l	98
36) 1,1-Dichloropropene	5.80	75	43959	19.416	ug/l	98
37) Ethyl Acetate	4.84	43	69090	21.902	ug/l	99
38) Carbon Tetrachloride	5.79	117	41154	20.007	ug/l	97

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MMDadoda
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Quant Time: May 21 07:52:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	54094	19.455	ug/l	98
40) Benzene	6.14	78	142018	20.269	ug/l	98
41) Methacrylonitrile	5.05	41	40248	21.434	ug/l	99
42) 1,2-Dichloroethane	6.19	62	53116	21.133	ug/l	99
43) Isopropyl Acetate	6.45	43	110235	21.847	ug/l	99
44) Trichloroethene	7.21	130	33440	19.742	ug/l	96
45) 1,2-Dichloropropane	7.51	63	41232	20.782	ug/l	98
46) Dibromomethane	7.66	93	23850	20.701	ug/l	99
47) Bromodichloromethane	7.90	83	48862	21.261	ug/l	97
48) Methyl methacrylate	7.77	41	55036	21.985	ug/l	98
49) 1,4-Dioxane	7.74	88	21683	427.113	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	375184	113.762	ug/l	99
52) Toluene	8.78	92	87802	20.615	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	53411	20.585	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	59466	20.706	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	37091	21.346	ug/l	97
56) Ethyl methacrylate	9.18	69	65912	21.250	ug/l	97
57) 1,3-Dichloropropane	9.37	76	64024	20.938	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	138791	84.347	ug/l	100
59) 2-Hexanone	9.49	43	293662	113.375	ug/l	98
60) Dibromochloromethane	9.58	129	35885	21.145	ug/l	100
61) 1,2-Dibromoethane	9.67	107	36875	21.023	ug/l	100
64) Tetrachloroethene	9.34	164	30861	20.197	ug/l	99
65) Chlorobenzene	10.13	112	90732	20.361	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	33273	20.596	ug/l	100
67) Ethyl Benzene	10.25	91	165492	20.179	ug/l	99
68) m/p-Xylenes	10.36	106	121344	40.490	ug/l	99
69) o-Xylene	10.69	106	60188	20.355	ug/l	99
70) Styrene	10.71	104	102697	19.983	ug/l	97
71) Bromoform	10.85	173	27000	20.566	ug/l #	99
73) Isopropylbenzene	11.02	105	160674	20.384	ug/l	99
74) N-amyl acetate	10.90	43	96115	20.915	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	62930	21.416	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	54210m	21.560	ug/l	
77) Bromobenzene	11.26	156	39607	20.244	ug/l	98
78) n-propylbenzene	11.36	91	182792	20.306	ug/l	100
79) 2-Chlorotoluene	11.42	91	111025	19.991	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	135895	20.475	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	20200	20.556	ug/l	96
82) 4-Chlorotoluene	11.51	91	125599	20.018	ug/l	100
83) tert-Butylbenzene	11.77	119	132096	20.460	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	135599	20.355	ug/l	100
85) sec-Butylbenzene	11.94	105	153975	20.115	ug/l	100
86) p-Isopropyltoluene	12.06	119	140279	20.385	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	70656	20.259	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	70802	20.136	ug/l	99
89) n-Butylbenzene	12.38	91	123484	19.854	ug/l	100
90) Hexachloroethane	12.60	117	23684	20.202	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	72020	20.274	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14374	21.806	ug/l	95

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Instrument :
MSVOA_X
ClientSampleId :
VX0520WBS01

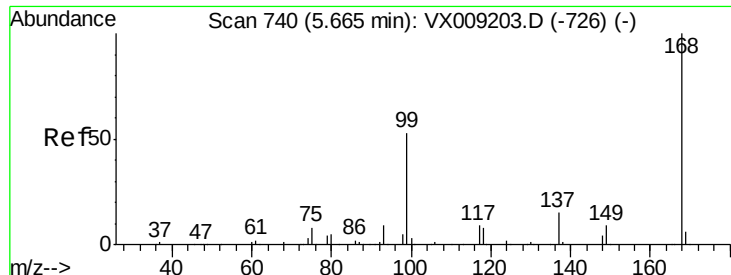
Manual Integrations
APPROVED

MMDadoda
5/21/2019 9:13:29 AM

Quant Time: May 21 07:52:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	49389	20.331	ug/l	98
94) Hexachlorobutadiene	13.78	225	25142	20.267	ug/l	98
95) Naphthalene	13.83	128	161375	20.419	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	50360	20.451	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBS01

Tot Ion:168 Resp: 154001

Ion Ratio Lower Upper

168 100

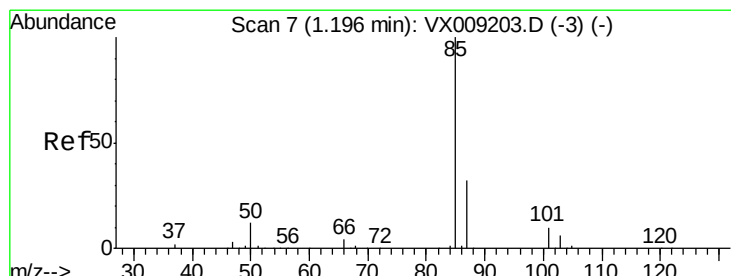
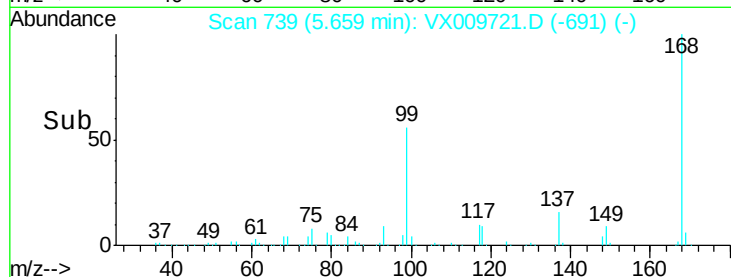
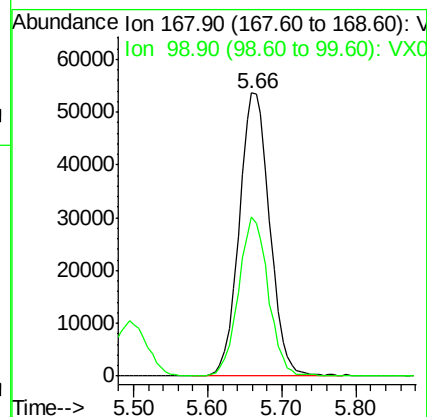
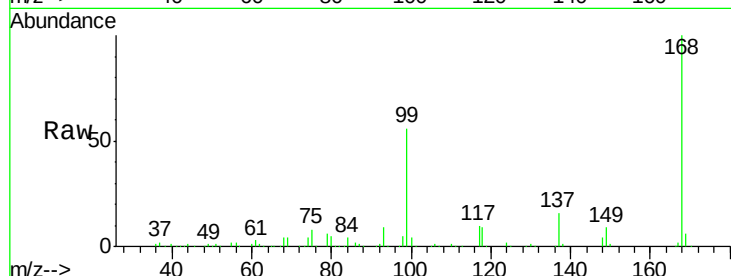
99 56.4 42.3 63.5

Manual Integrations

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5/21/2019 9:13:29 AM



#2

Dichlorodifluoromethane

Concen: 15.854 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009721.D

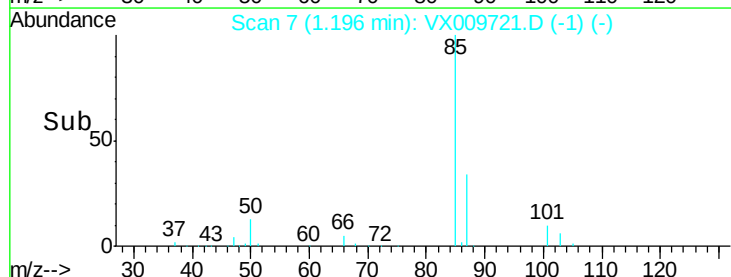
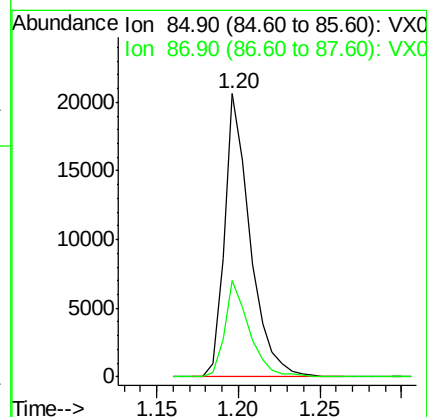
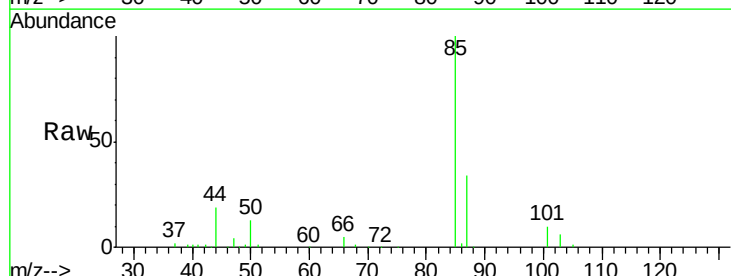
Acq: 20 May 2019 13:18

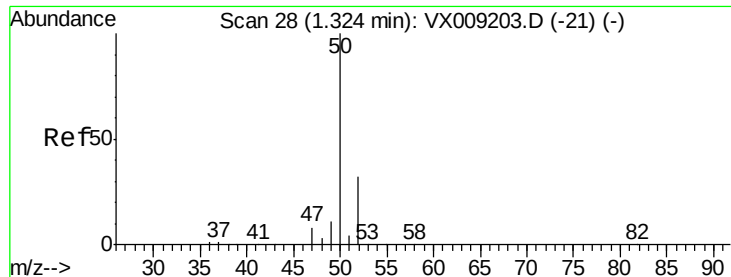
Tgt Ion: 85 Resp: 22499

Ion Ratio Lower Upper

85 100

87 34.1 16.1 48.3





#3

Chloromethane

Concen: 19.053 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBS01

Tot Ion: 50 Resp: 36915

Ion Ratio Lower Upper

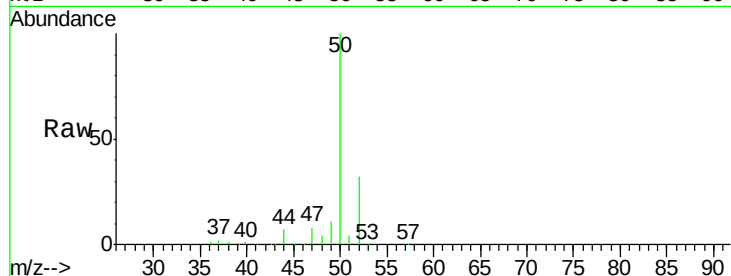
50 100

52 31.5 25.9 38.9

Manual Integrations
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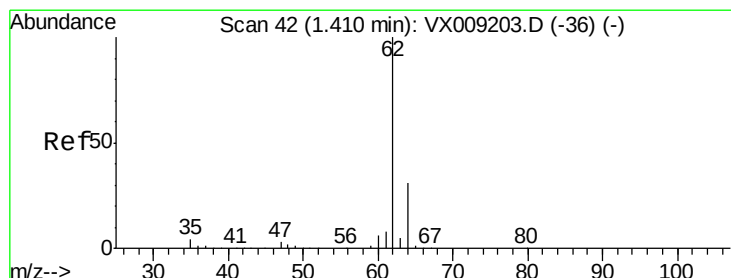
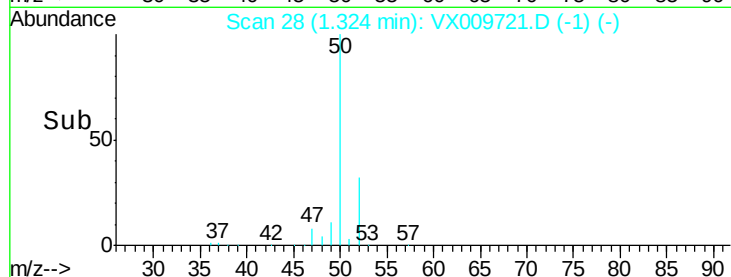
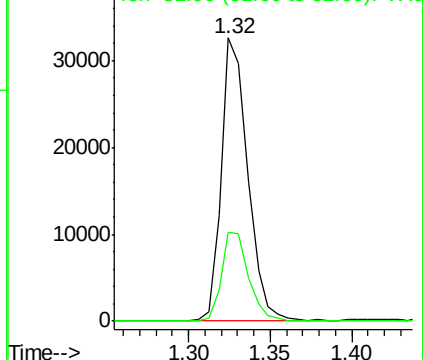
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.656 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009721.D

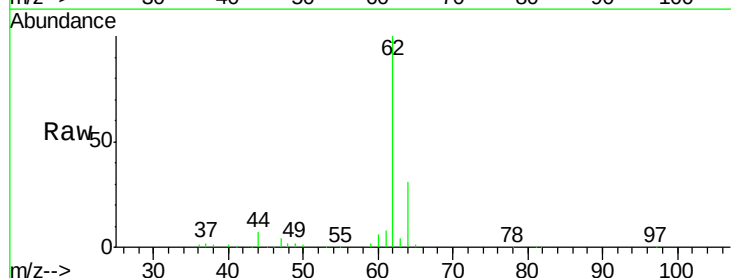
Acq: 20 May 2019 13:18

Tgt Ion: 62 Resp: 35246

Ion Ratio Lower Upper

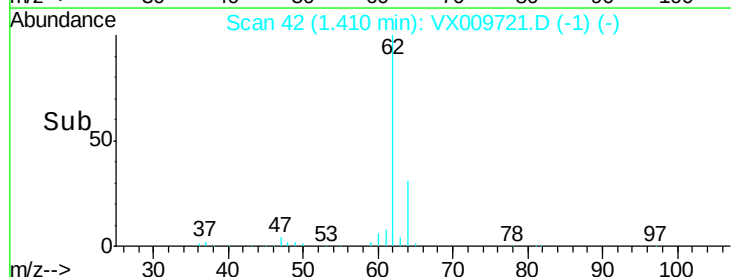
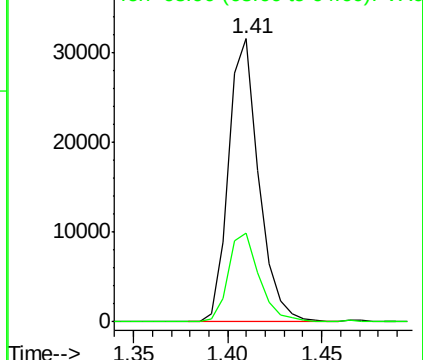
62 100

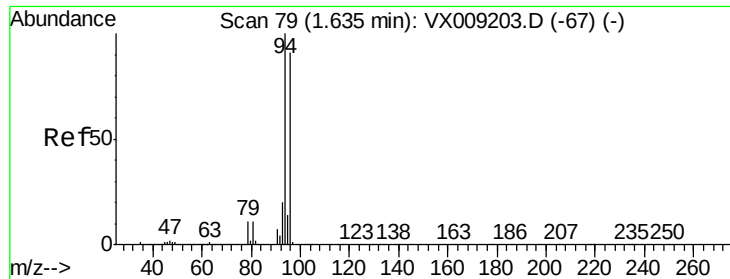
64 31.1 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.997 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Instrument :

MSVOA_X

ClientSampled :

VX0520WBS01

Tot Ion: 94 Resp: 22676

Ion Ratio Lower Upper

94 100

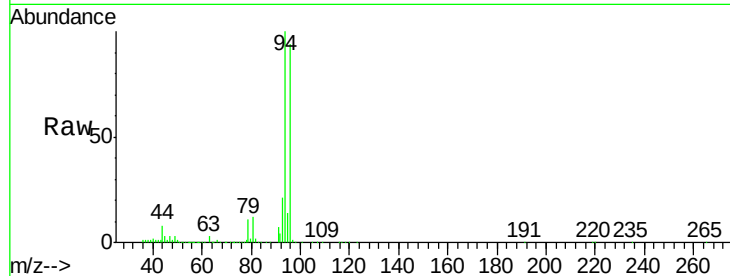
96 94.0 73.0 109.6

Manual Integrations

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5/21/2019 9:13:29 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

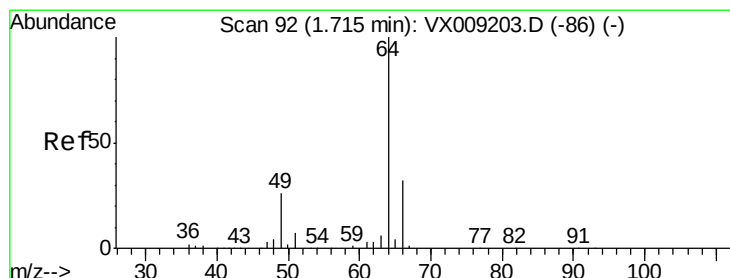
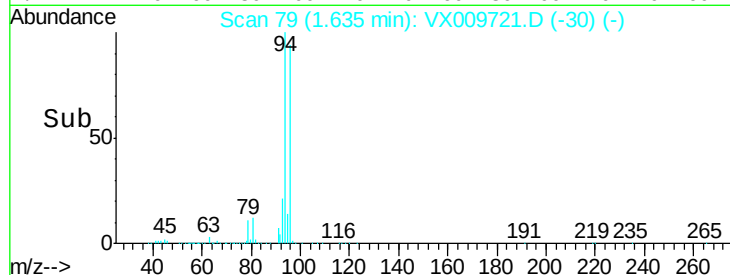
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.434 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009721.D

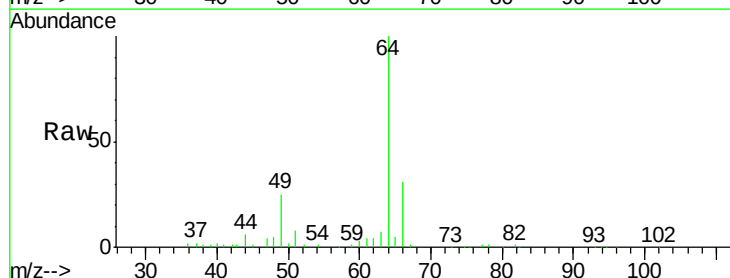
Acq: 20 May 2019 13:18

Tgt Ion: 64 Resp: 23573

Ion Ratio Lower Upper

64 100

66 30.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

20000

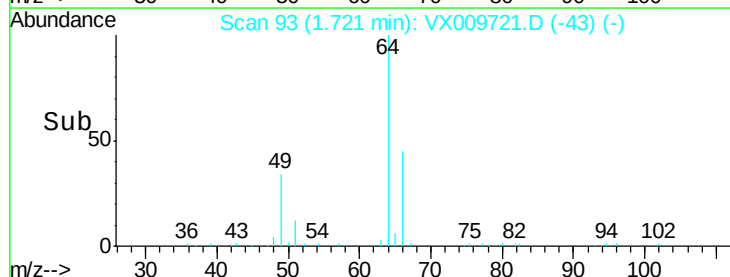
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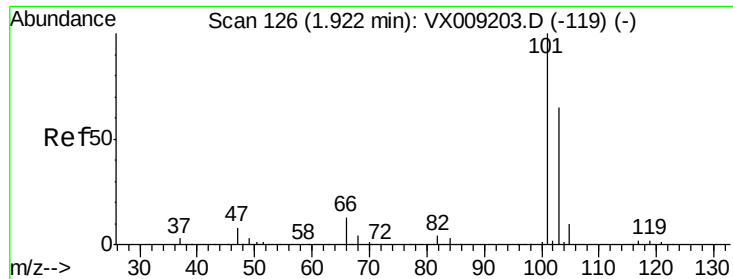
10000

5000

0

Time-->





#7

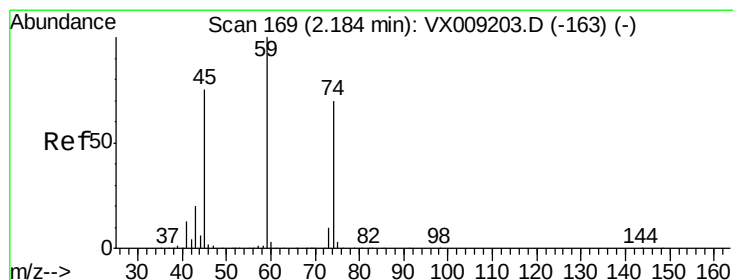
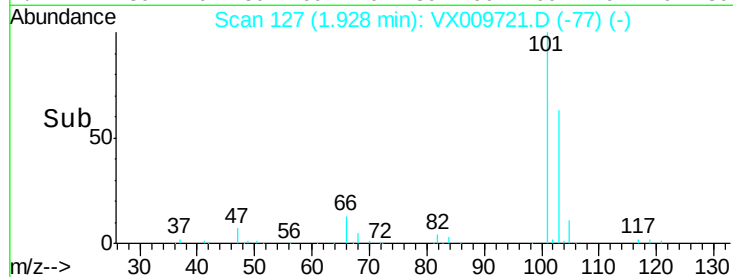
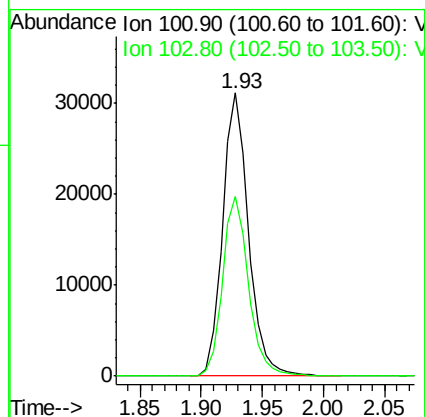
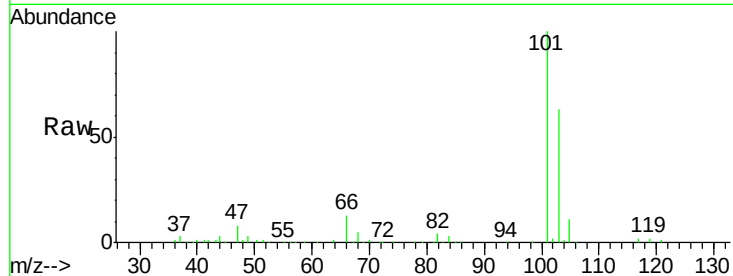
Trichlorofluoromethane
Concen: 19.901 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBS01

Tot Ion:101 Resp: 45704
Ion Ratio Lower Upper
101 100
103 63.4 52.4 78.6

Manual Integrations
APPROVED

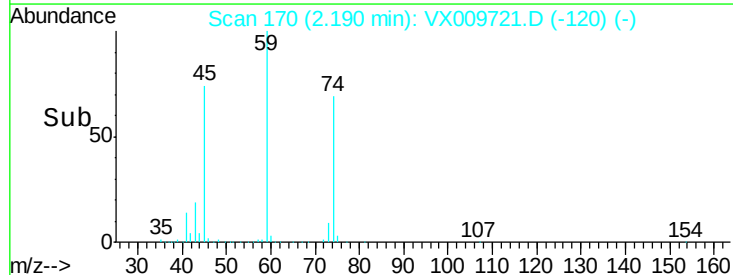
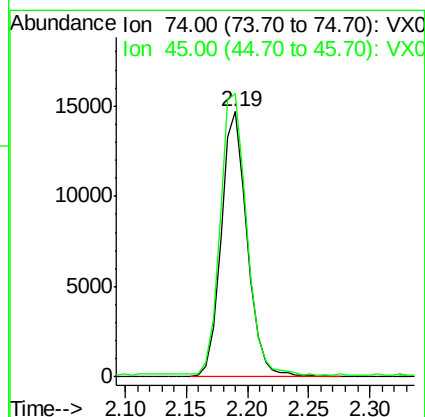
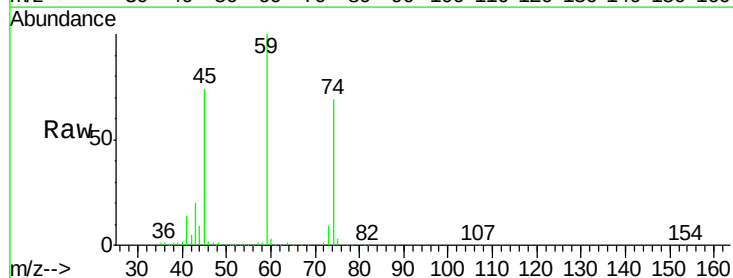
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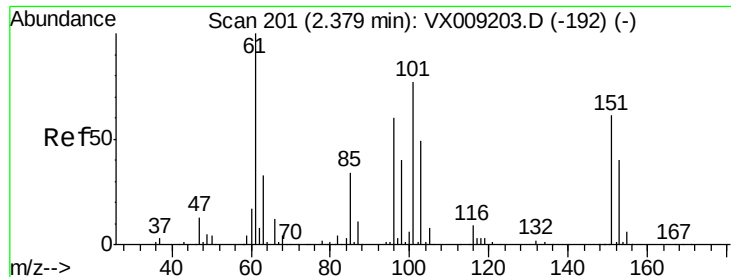


#8

Diethyl Ether
Concen: 19.965 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Tgt Ion: 74 Resp: 21719
Ion Ratio Lower Upper
74 100
45 109.2 53.3 159.9





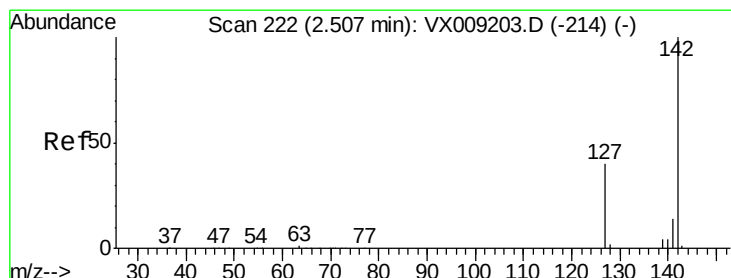
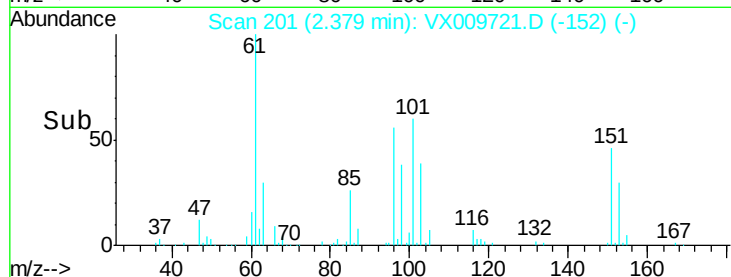
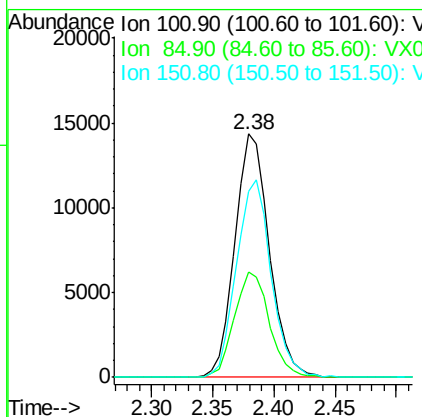
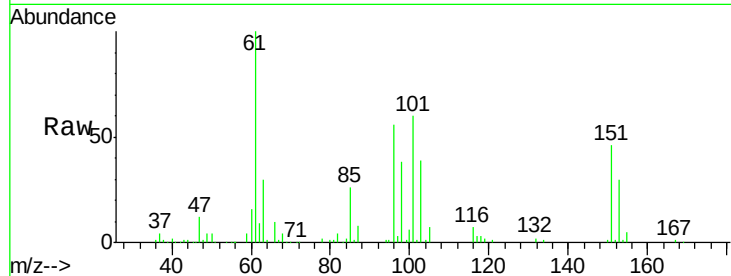
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.492 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.00 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	28110		
85	43.8		35.7	53.5
151	81.6		62.2	93.2

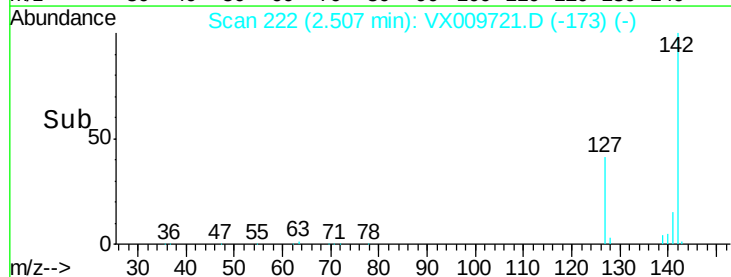
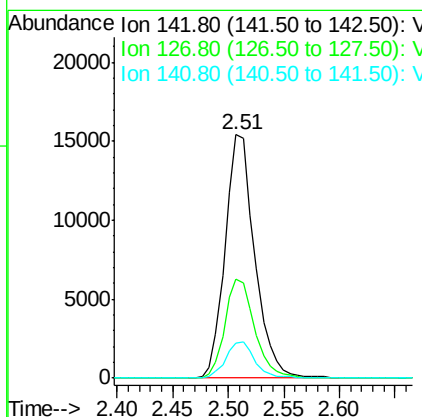
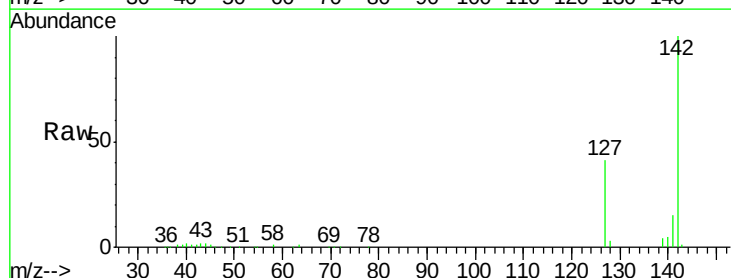
Manual Integrations
APPROVED

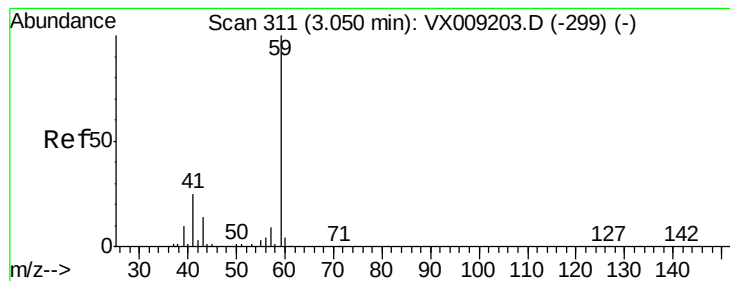
MMDadoda
5/21/2019 9:13:29 AM



#10
Methyl Iodide
Concen: 19.968 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	28368		
127	40.9		32.7	49.1
141	14.6		11.5	17.3





#11

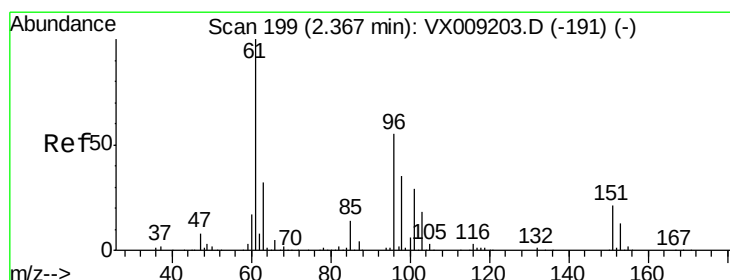
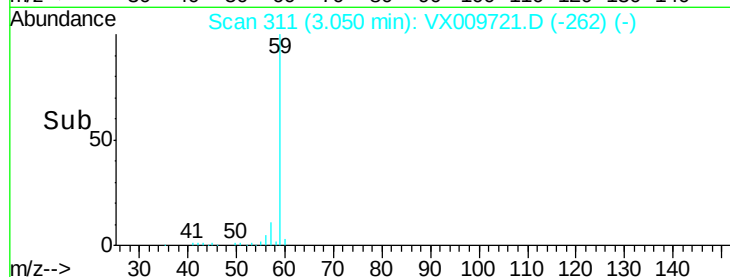
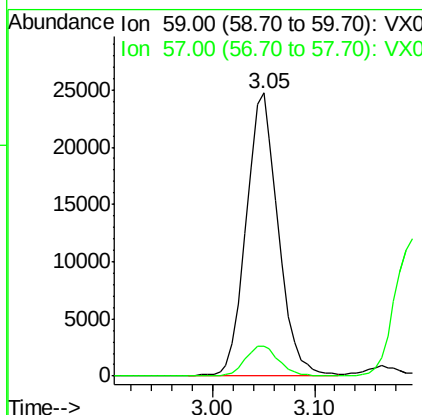
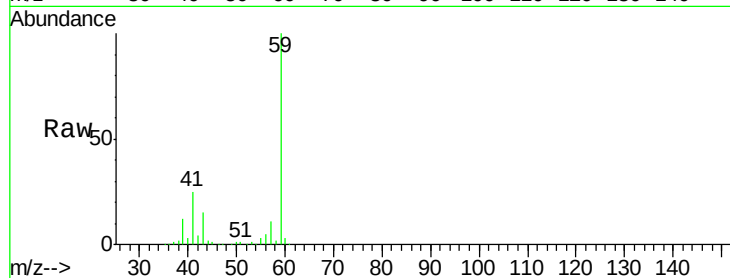
Tert butyl alcohol
 Concen: 111.483 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.00 min
 Lab File: VX009721.D
 Acq: 20 May 2019 13:18

Instrument :
 MSVOA_X
 ClientSampled :
 VX0520WBS01

Tot Ion	59	Resp	54251
Ion Ratio	100	Lower	Upper
57	11.3	8.2	12.2

Manual Integrations
 APPROVED

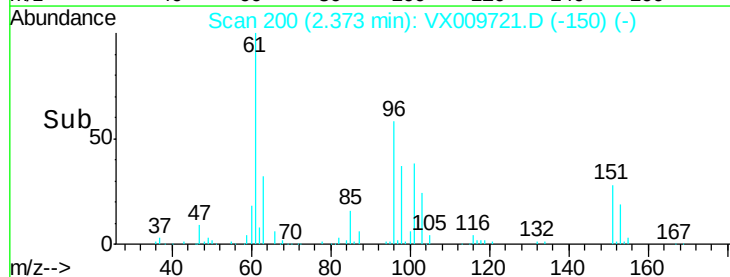
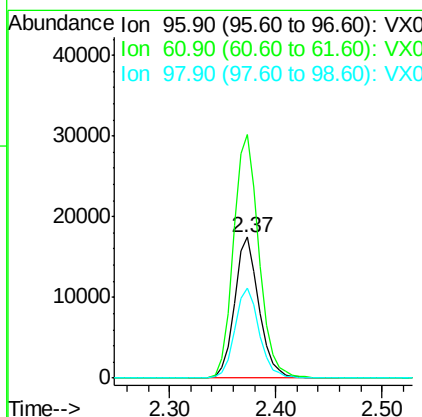
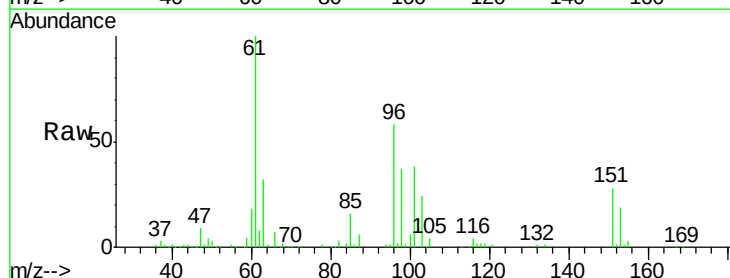
MMDadoda
 5/21/2019 9:13:29 AM

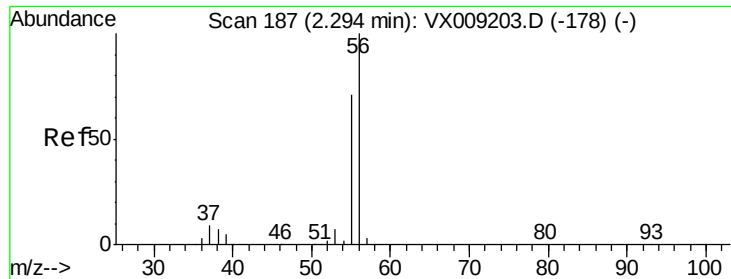


#12

1,1-Dichloroethene
 Concen: 19.515 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX009721.D
 Acq: 20 May 2019 13:18

Tgt Ion	96	Resp	28198
Ion Ratio	100	Lower	Upper
61	173.1	144.3	216.5
98	64.4	50.3	75.5





#13

Acrolein

Concen: 91.285 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBS01

Tot Ion: 56 Resp: 40230

Ion Ratio Lower Upper

56 100

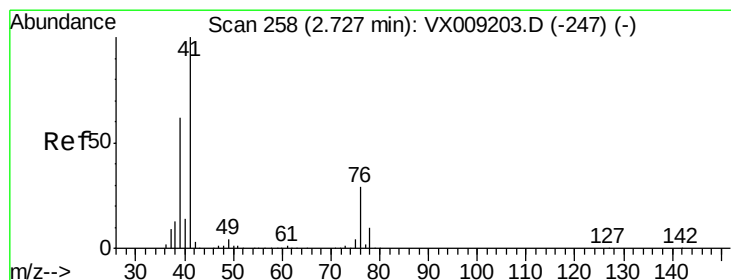
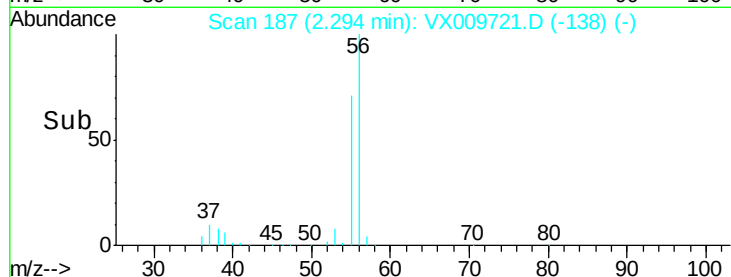
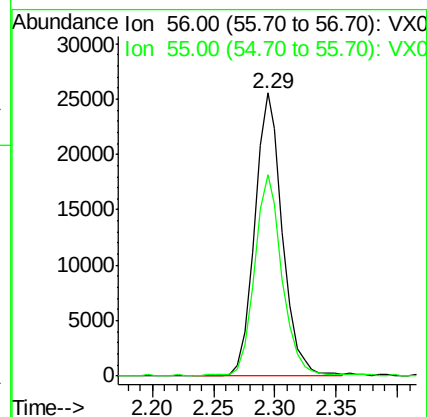
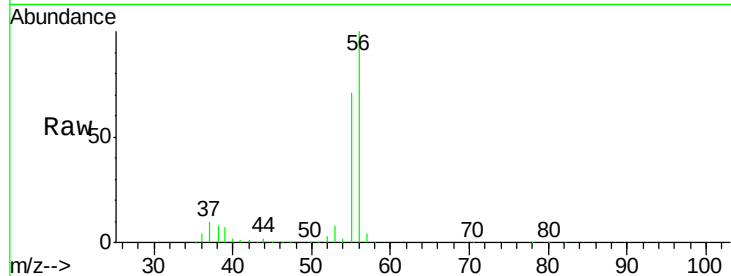
55 71.3 56.6 85.0

Manual Integrations

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MMDadoda

5/21/2019 9:13:29 AM



#14

Allyl chloride

Concen: 19.838 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

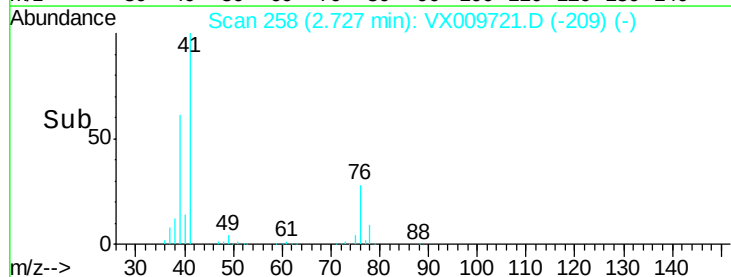
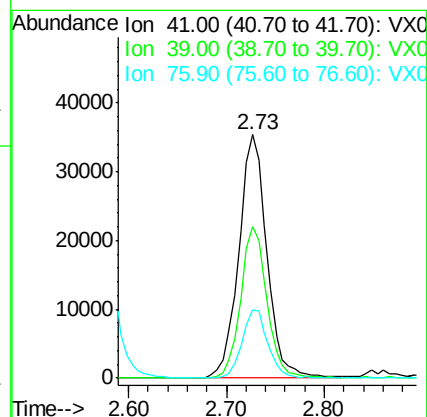
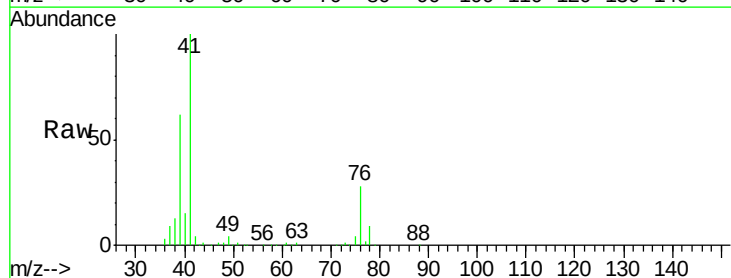
Tgt Ion: 41 Resp: 69857

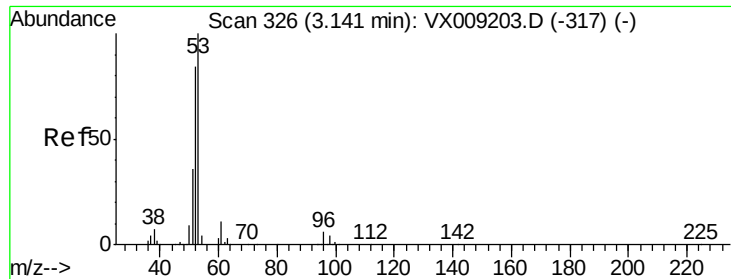
Ion Ratio Lower Upper

41 100

39 58.0 46.7 70.1

76 26.2 21.8 32.8





#15

Acrylonitrile

Concen: 106.573 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Instrument :

MSVOA_X

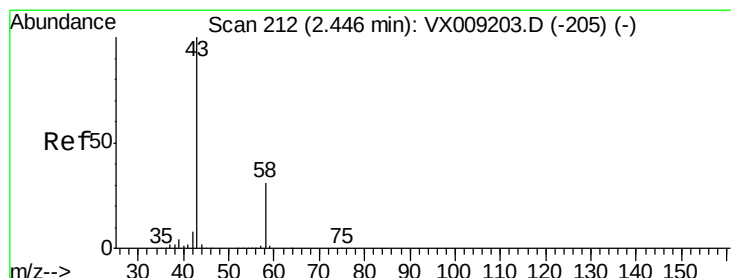
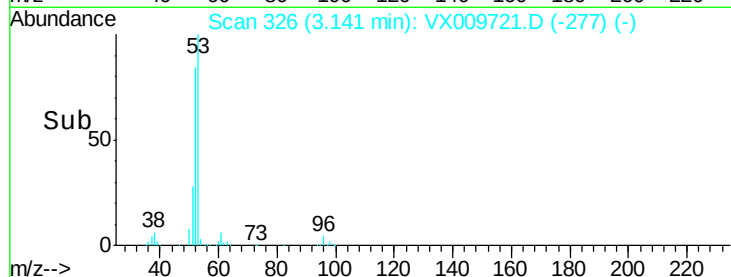
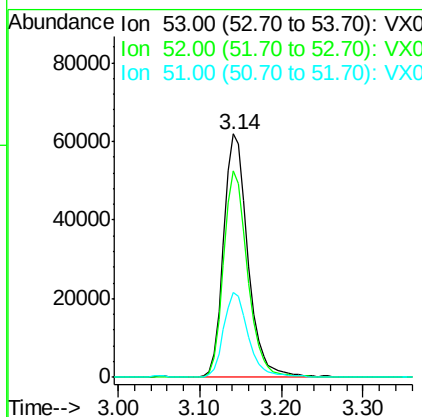
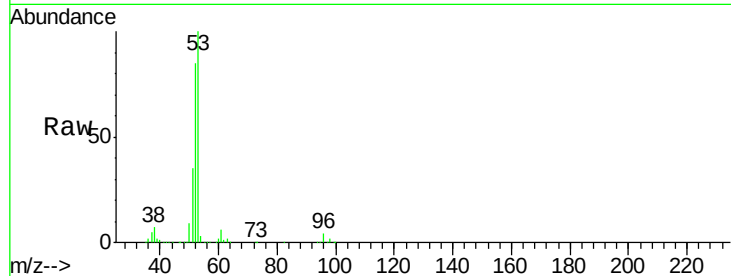
ClientSampleId :

VX0520WBS01

Tot Ion:	53	Resp:	126806
Ion Ratio		Lower	Upper
53	100		
52	84.2	66.9	100.3
51	35.4	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
5/21/2019 9:13:29 AM



#16

Acetone

Concen: 104.071 ug/l

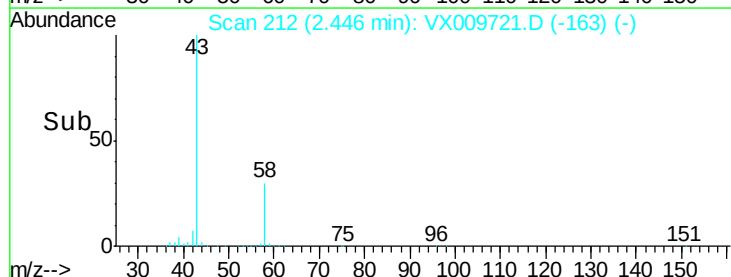
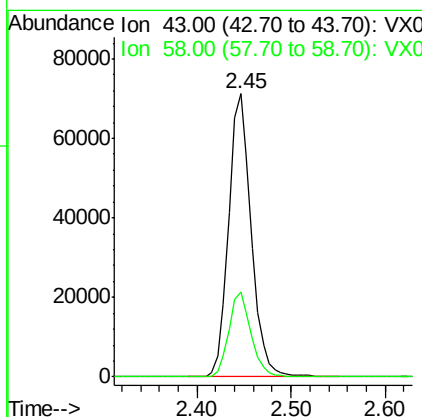
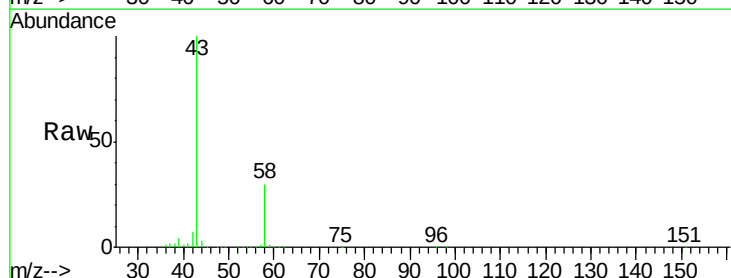
RT: 2.45 min Scan# 212

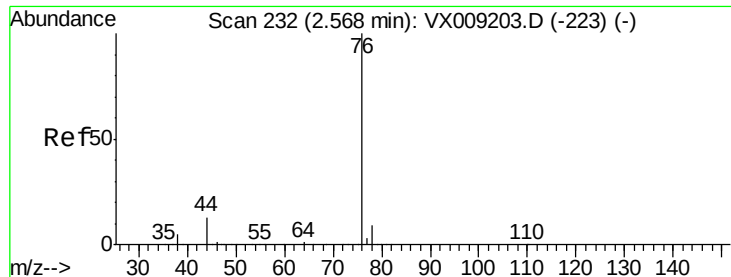
Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Tgt Ion:	43	Resp:	117481
Ion Ratio		Lower	Upper
43	100		
58	30.1	24.9	37.3





#17

Carbon Disulfide

Concen: 17.309 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBS01

Tot Ion: 76 Resp: 70221

Ion Ratio Lower Upper

76 100

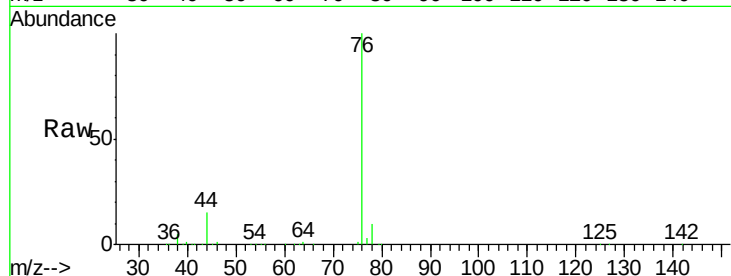
78 9.6 7.4 11.0

Manual Integrations

APPROVED

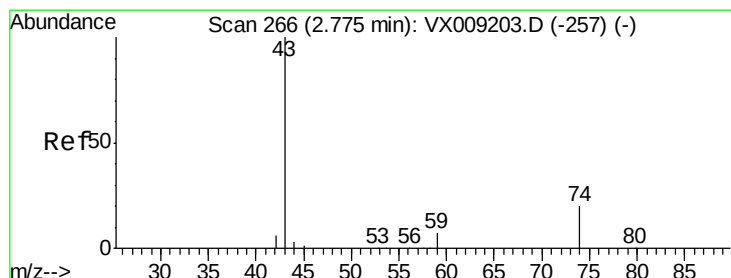
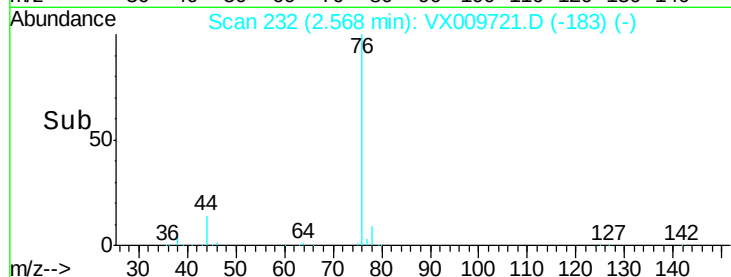
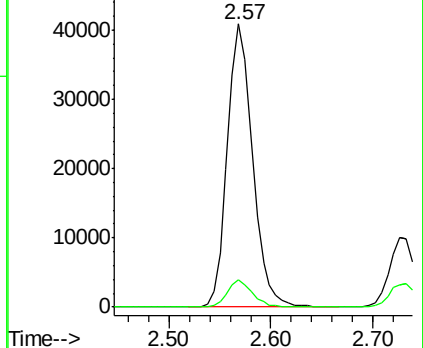
MMDadoda

5/21/2019 9:13:29 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 21.547 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009721.D

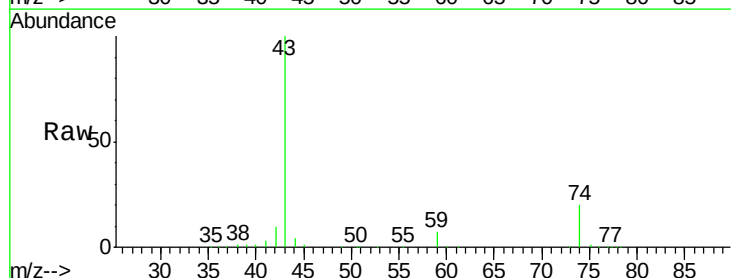
Acq: 20 May 2019 13:18

Tgt Ion: 43 Resp: 57846

Ion Ratio Lower Upper

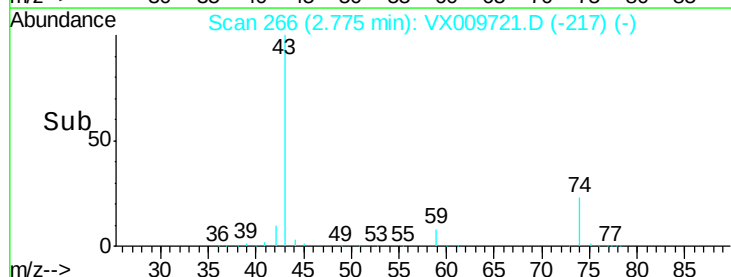
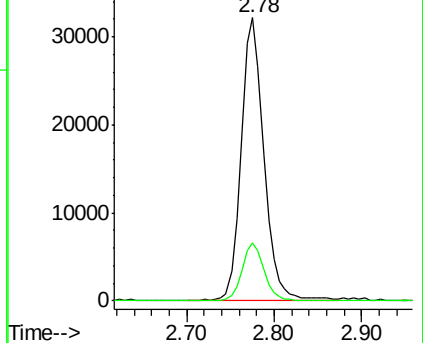
43 100

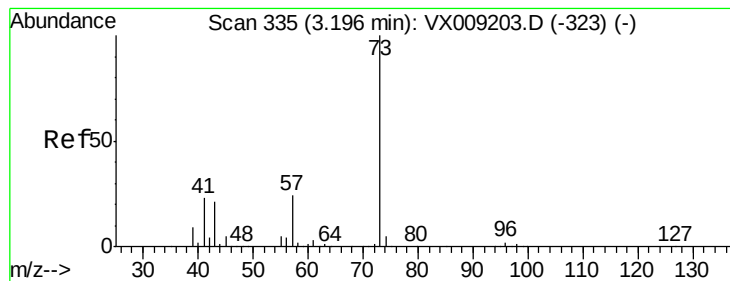
74 20.1 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

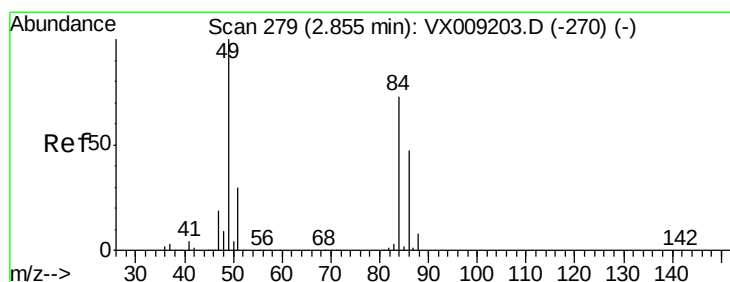
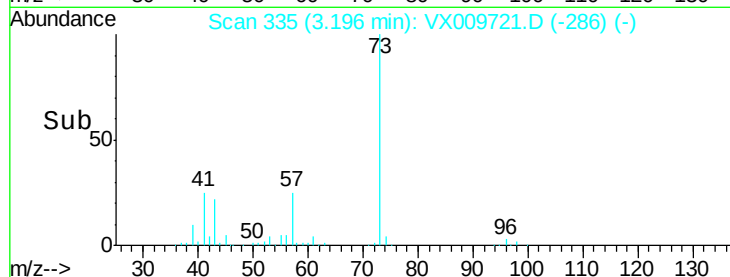
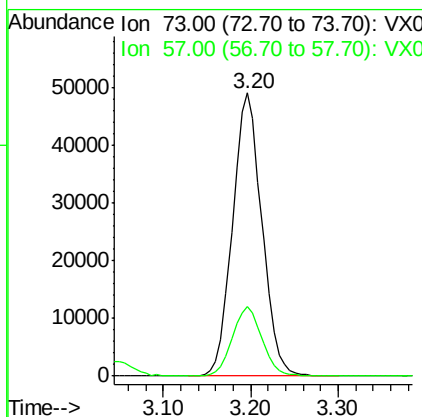
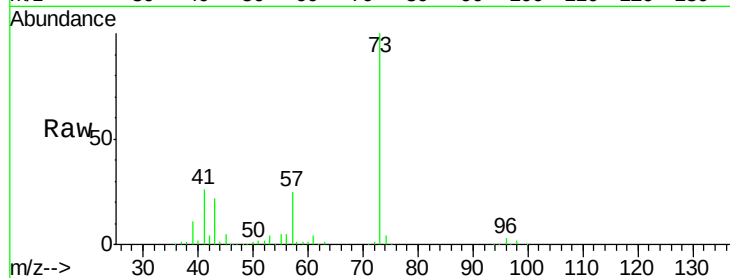
Methvl tert-butvl Ether
 Concen: 20.397 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX009721.D
 Acq: 20 May 2019 13:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBS01

Tot Ion	73	Resp	114449
Ion	Ratio	Lower	Upper
73	100		
57	24.6	19.3	28.9

Manual Integrations
 APPROVED

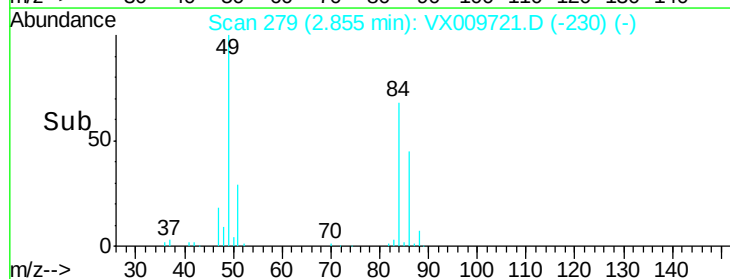
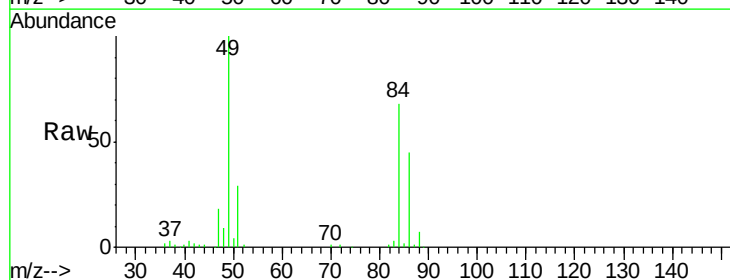
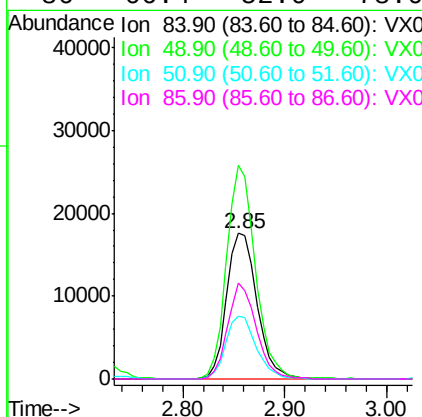
MMDadoda
 5/21/2019 9:13:29 AM

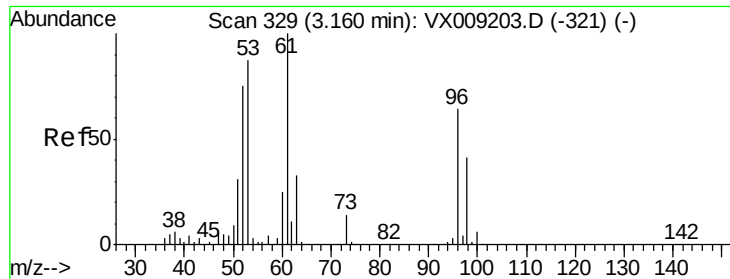


#20

Methylene Chloride
 Concen: 19.738 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX009721.D
 Acq: 20 May 2019 13:18

Tgt Ion	84	Resp	36077
Ion	Ratio	Lower	Upper
84	100		
49	146.9	109.9	164.9
51	42.9	32.7	49.1
86	66.4	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 19.285 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Instrument :

MSVOA_X

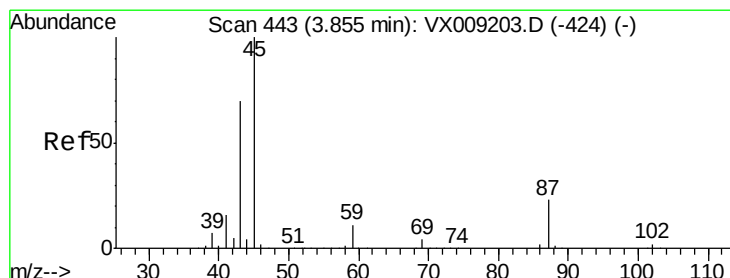
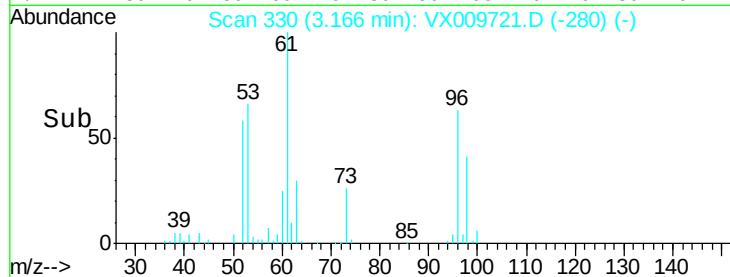
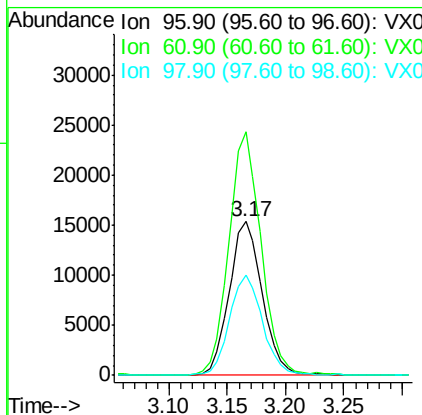
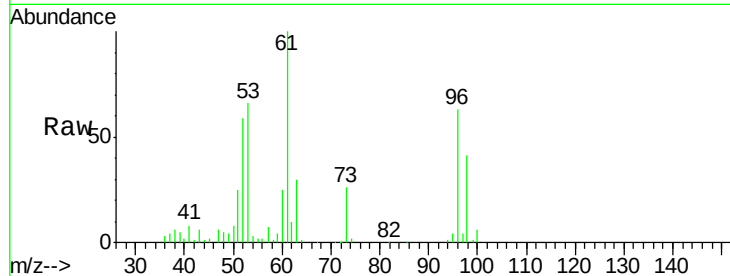
ClientSampleId :

VX0520WBS01

Tot Ion:	96	Resp:	30221
Ion	Ratio	Lower	Upper
96	100		
61	158.2	124.5	186.7
98	64.9	50.4	75.6

Manual Integrations
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MMDadoda
5/21/2019 9:13:29 AM



#22

Diisopropyl ether

Concen: 20.962 ug/l

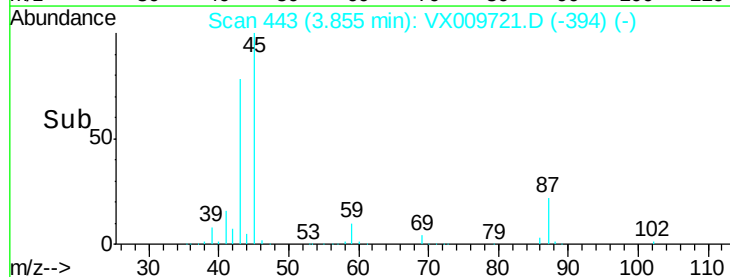
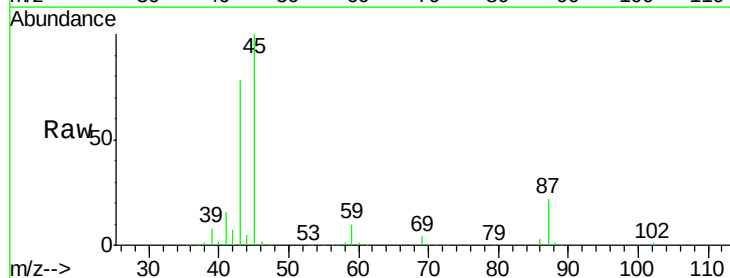
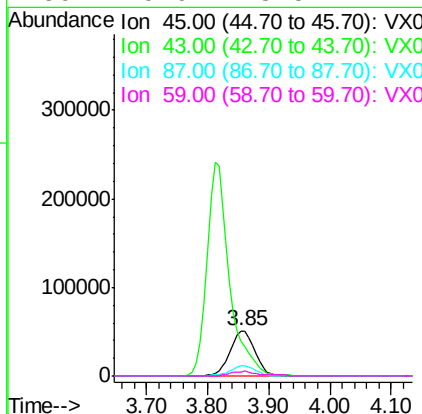
RT: 3.85 min Scan# 443

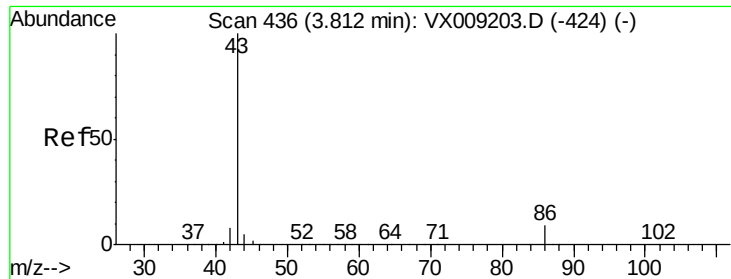
Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Tgt Ion:	45	Resp:	141953
Ion	Ratio	Lower	Upper
45	100		
43	77.4	56.1	84.1
87	21.8	18.1	27.1
59	9.9	8.5	12.7





#23

Vinyl Acetate

Concen: 107.924 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBS01

Tot Ion: 43 Resp: 625850

Ion Ratio Lower Upper

43 100

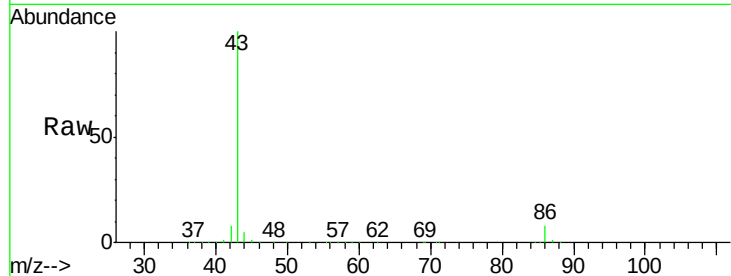
86 8.2 6.9 10.3

Manual Integrations

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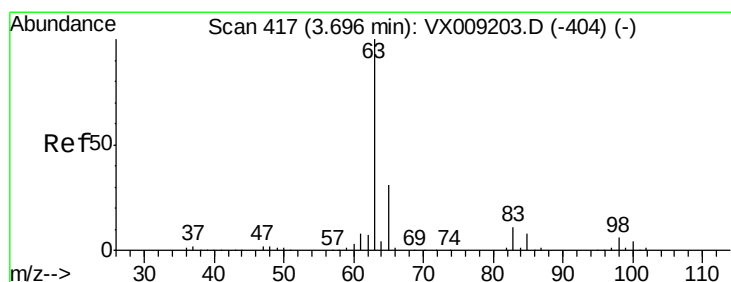
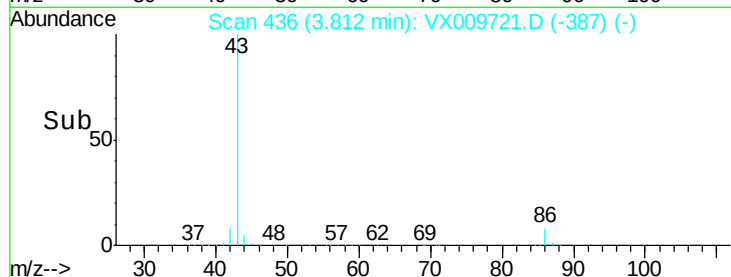
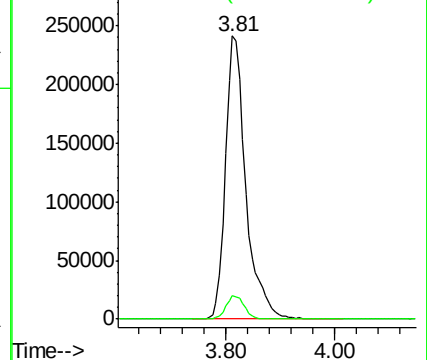
MMDadoda

5/21/2019 9:13:29 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: 20.254 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

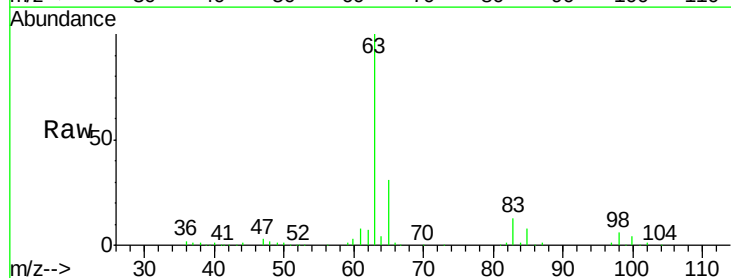
Tgt Ion: 63 Resp: 67664

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

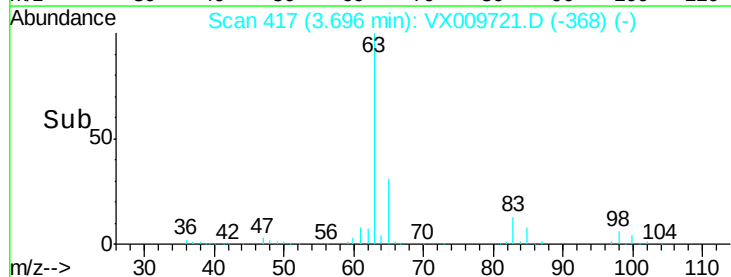
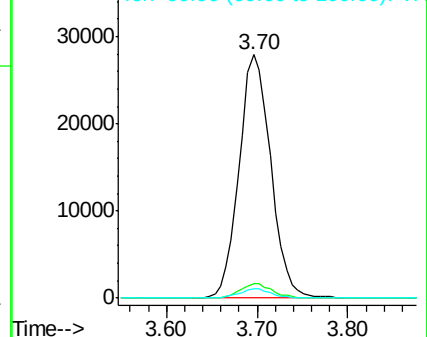
100 4.0 2.0 6.0

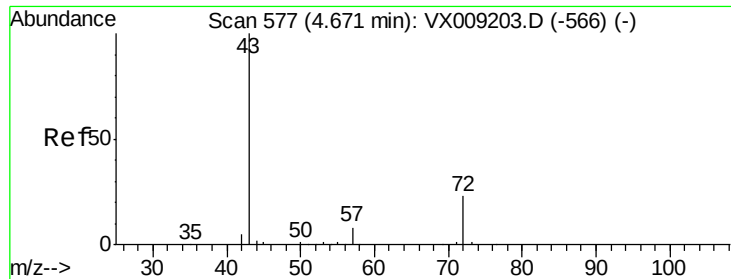


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 109.786 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBS01

Tot Ion: 43 Resp: 192586

Ion Ratio Lower Upper

43 100

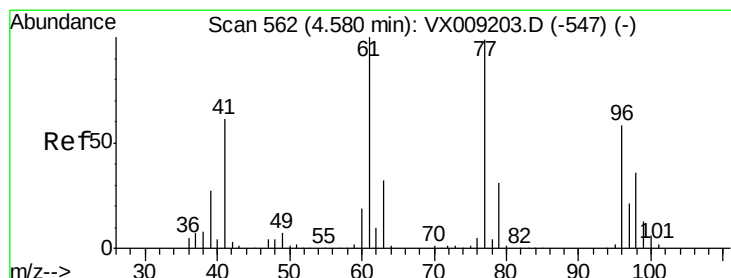
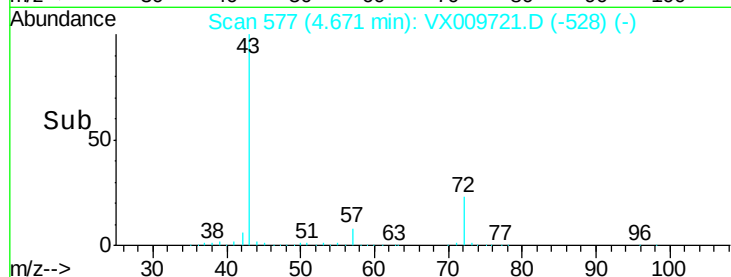
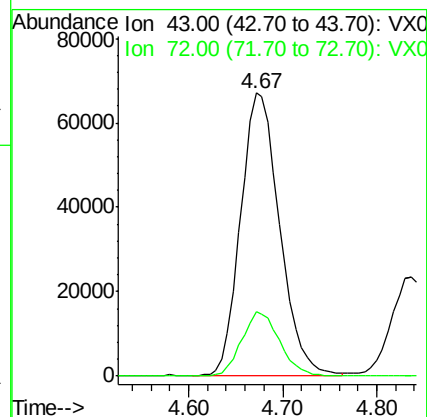
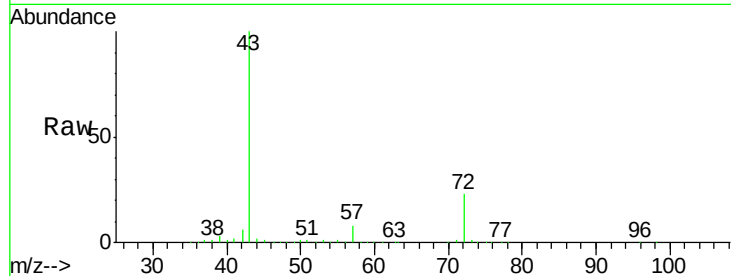
72 22.5 18.2 27.2

Manual Integrations

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MMDadoda

5/21/2019 9:13:29 AM



#26

2,2-Dichloropropane

Concen: 19.216 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009721.D

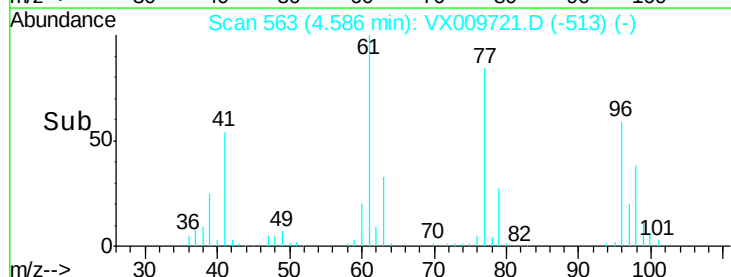
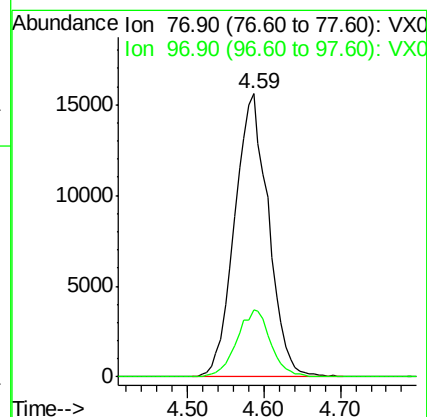
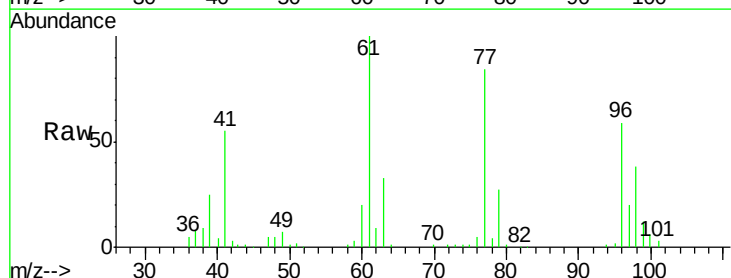
Acq: 20 May 2019 13:18

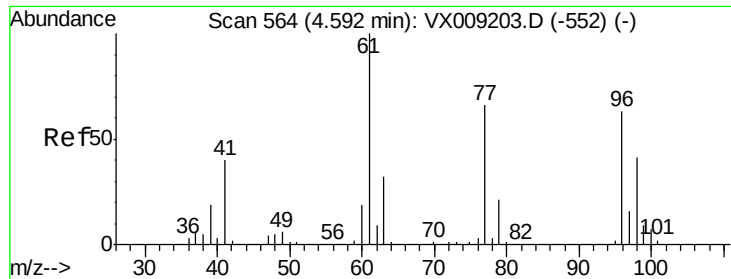
Tgt Ion: 77 Resp: 47783

Ion Ratio Lower Upper

77 100

97 23.6 11.5 34.4





#27

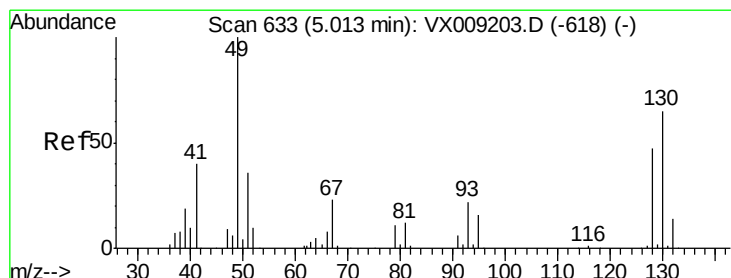
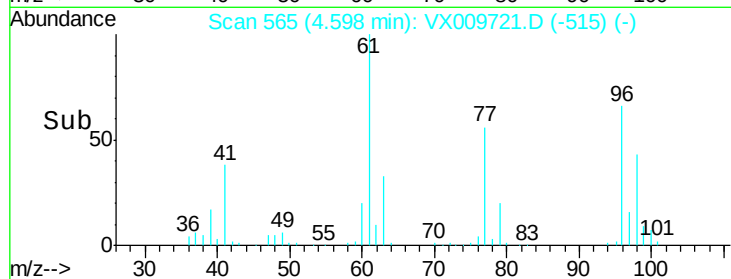
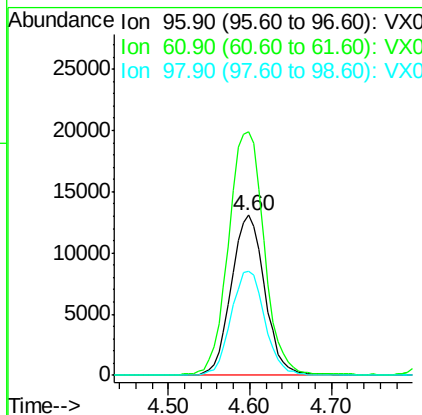
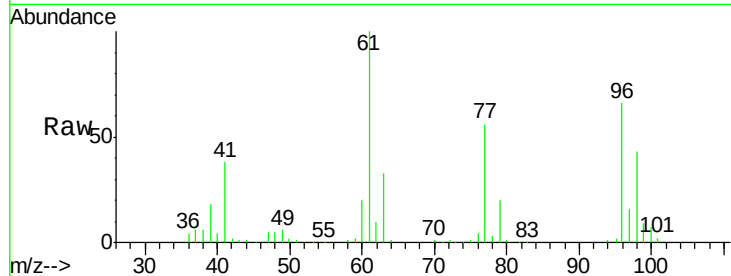
cis-1,2-Dichloroethene
Concen: 19.831 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.1	0.0	324.0
98	65.6	0.0	130.4

Manual Integrations
APPROVED

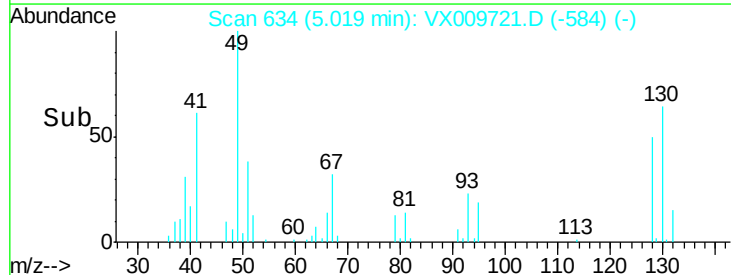
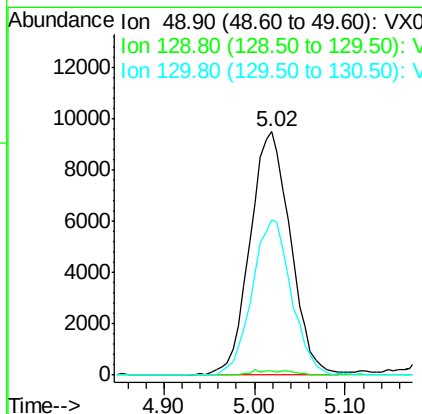
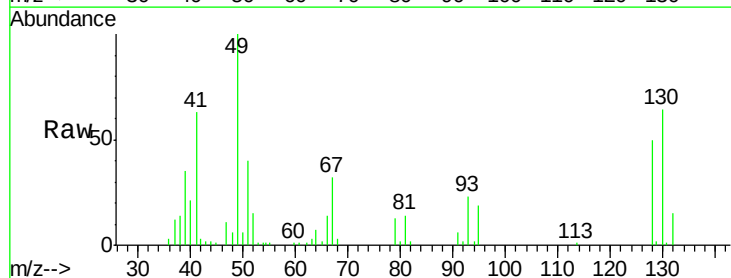
MMDadoda
5/21/2019 9:13:29 AM

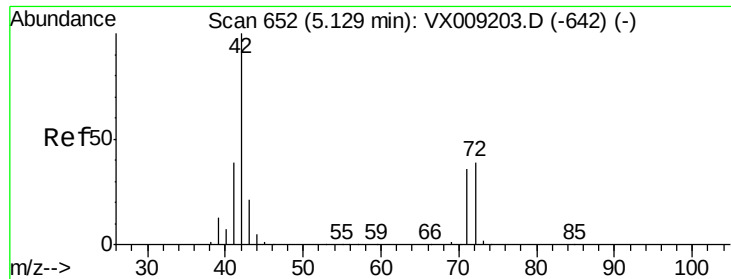


#28

Bromochloromethane
Concen: 20.189 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.8
130	61.6	51.2	76.8





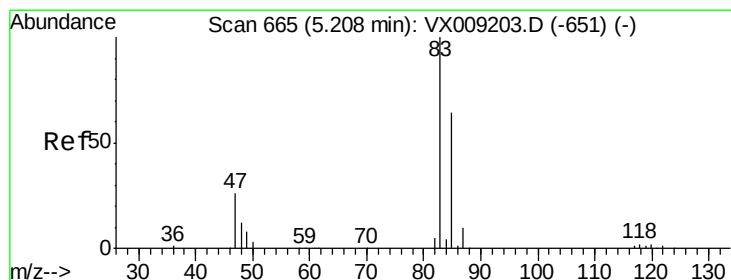
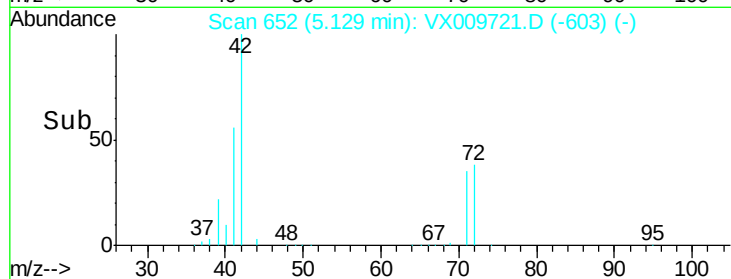
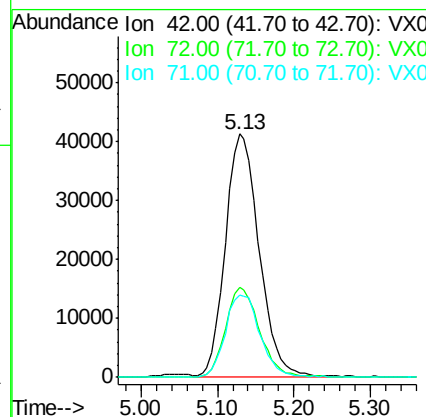
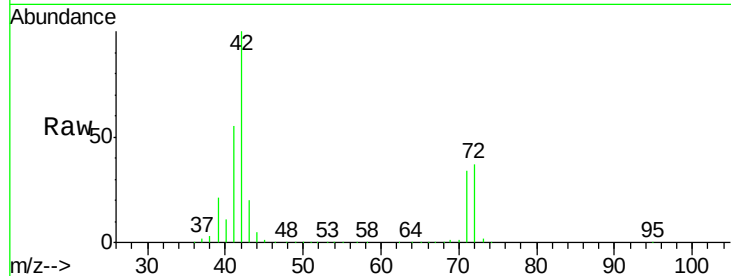
#29
Tetrahydrofuran
Concen: 111.076 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	30.4	45.6
71	34.8	28.6	43.0

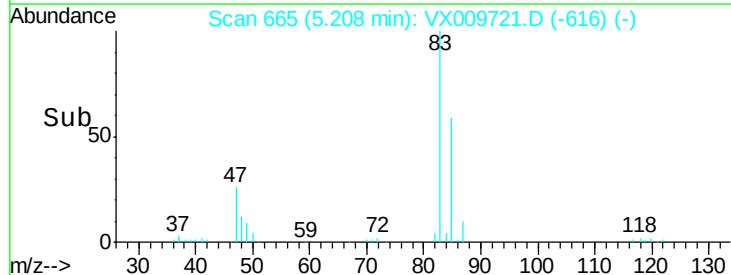
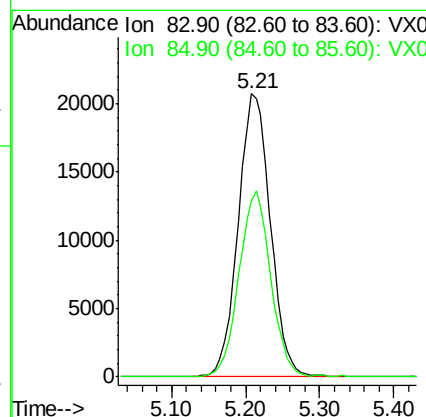
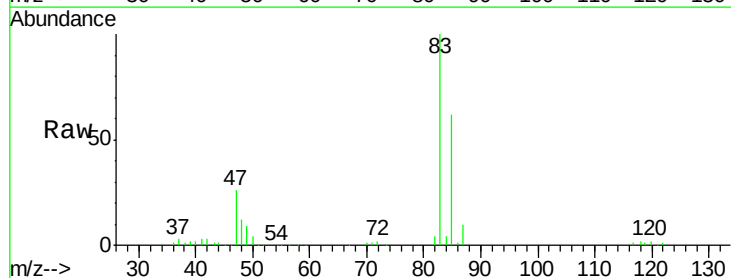
Manual Integrations
APPROVED

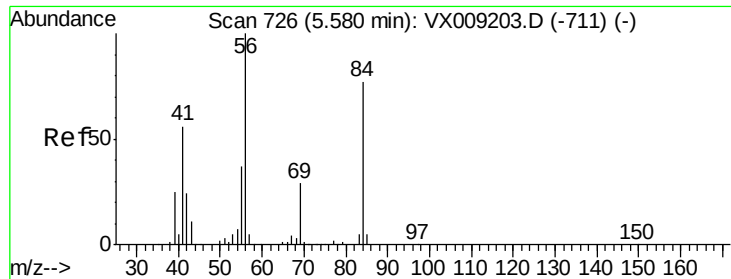
MMDadoda
5/21/2019 9:13:29 AM



#30
Chloroform
Concen: 20.800 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.5	77.3





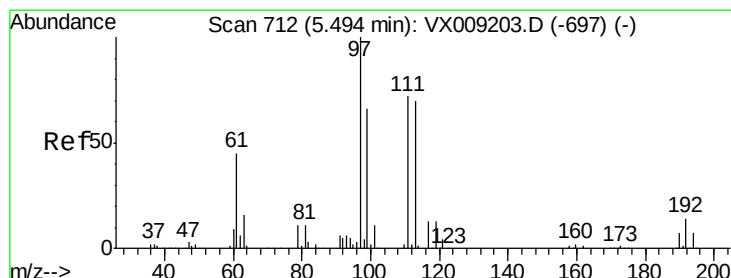
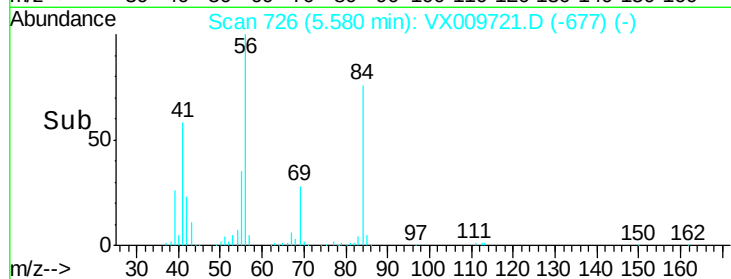
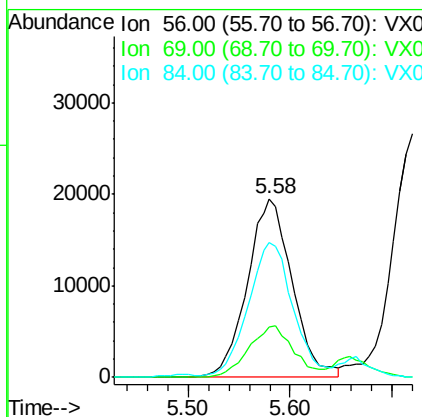
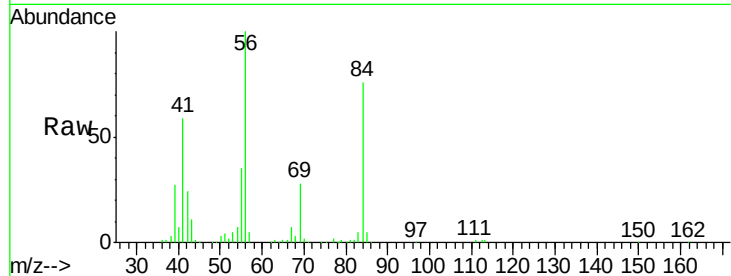
#31
Cyclohexane
Concen: 19.079 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.4	23.4	35.0
84	74.0	61.9	92.9

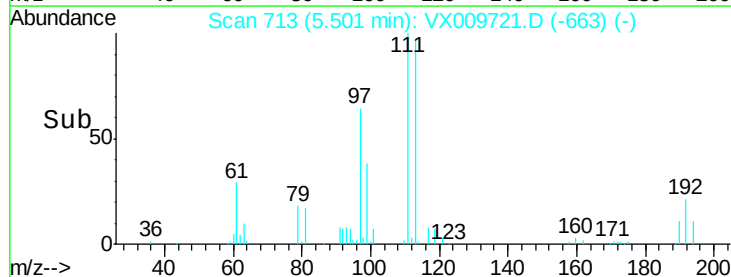
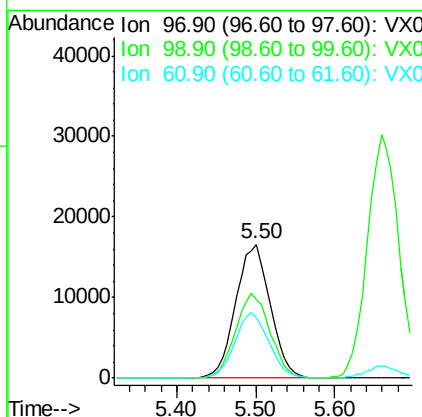
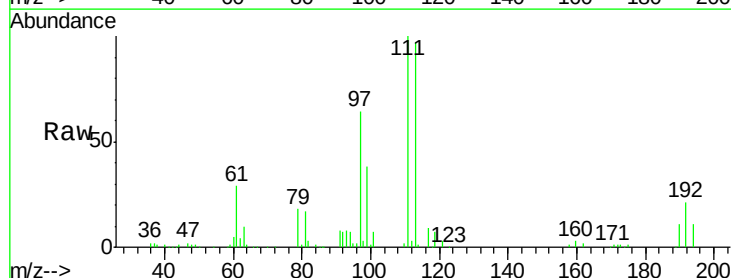
Manual Integrations
APPROVED

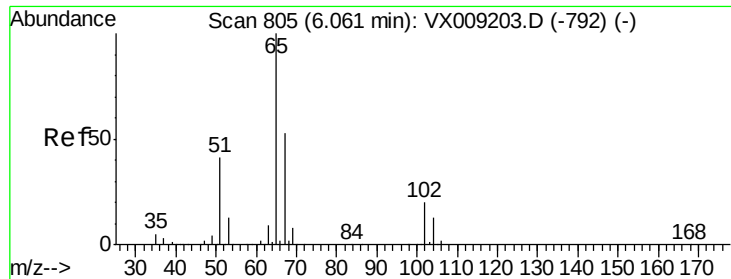
MMDadoda
5/21/2019 9:13:29 AM



#32
1,1,1-Trichloroethane
Concen: 20.073 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.8	77.8
61	48.4	37.8	56.8





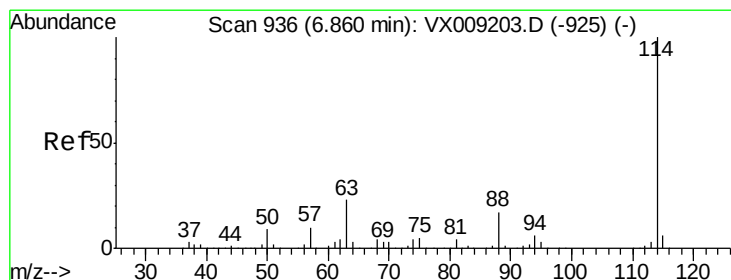
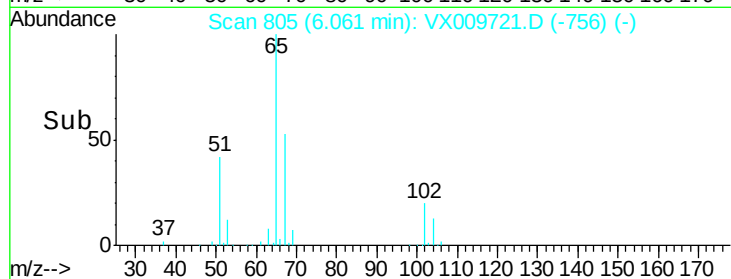
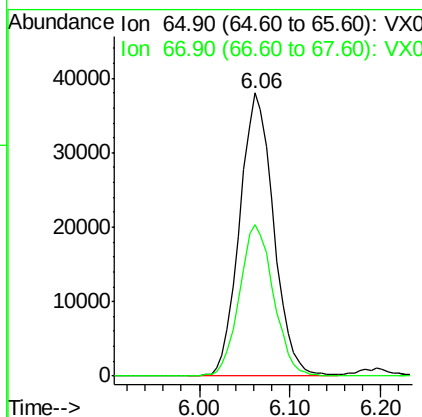
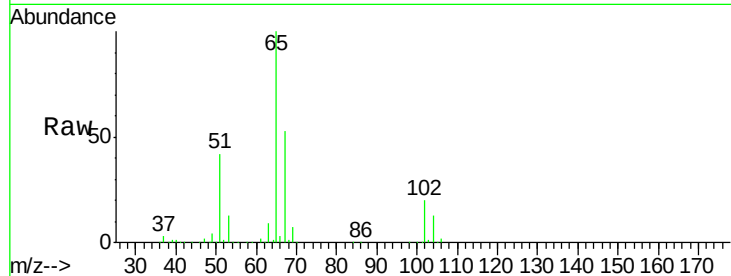
#33
 1,2-Dichloroethane-d4
 Concen: 46.983 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009721.D
 Acq: 20 May 2019 13:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	106.6

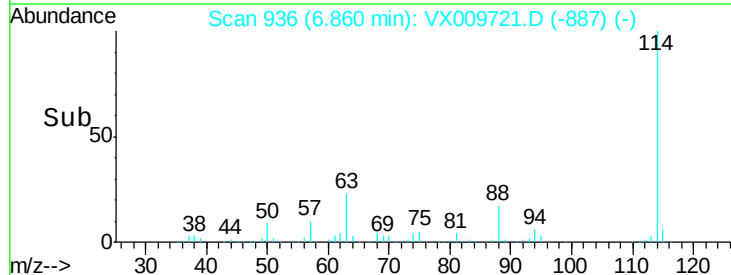
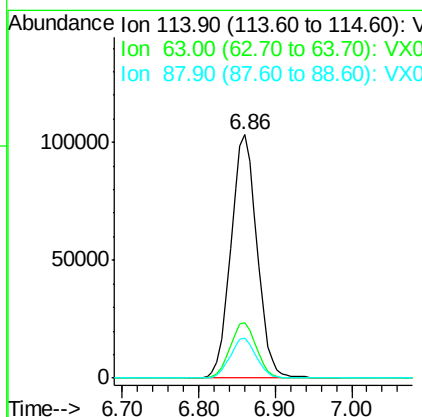
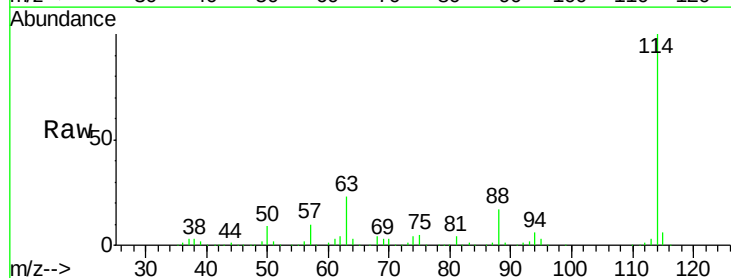
Manual Integrations
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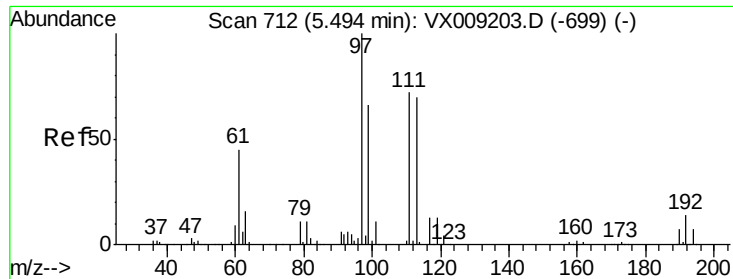
MMDadoda
 5/21/2019 9:13:29 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009721.D
 Acq: 20 May 2019 13:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	45.6
88	16.6	0.0	33.2





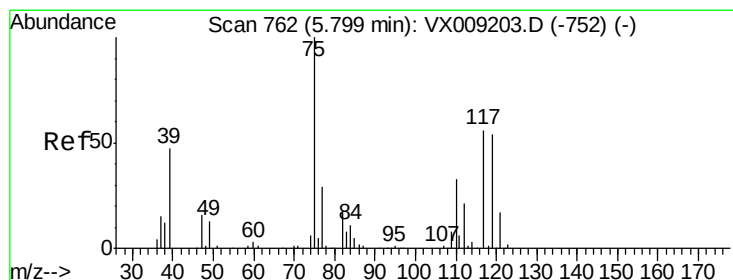
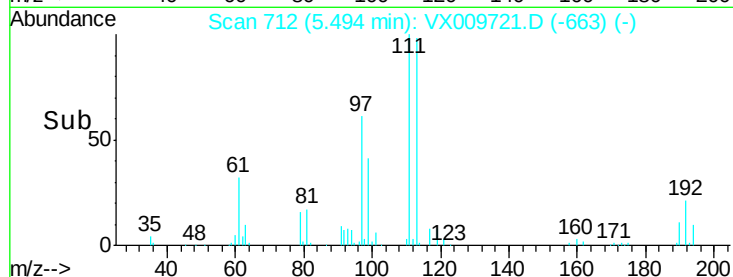
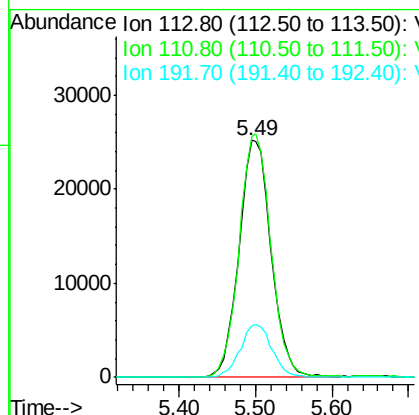
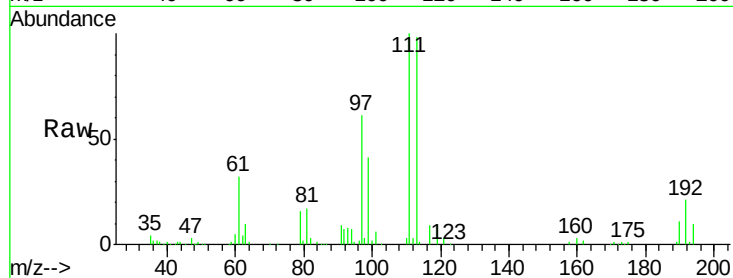
#35
 Dibromofluoromethane
 Concen: 47.884 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX009721.D
 Acq: 20 May 2019 13:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.8	124.2
192	22.0	17.0	25.6

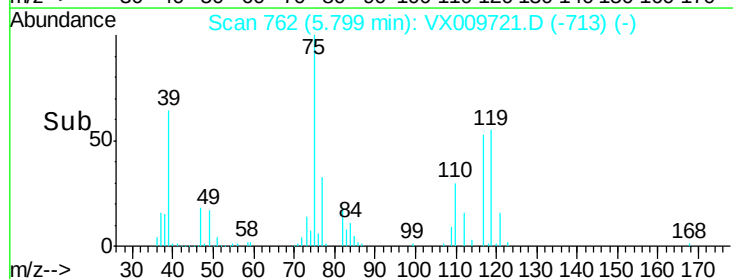
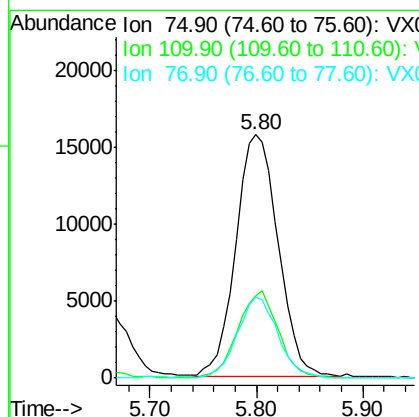
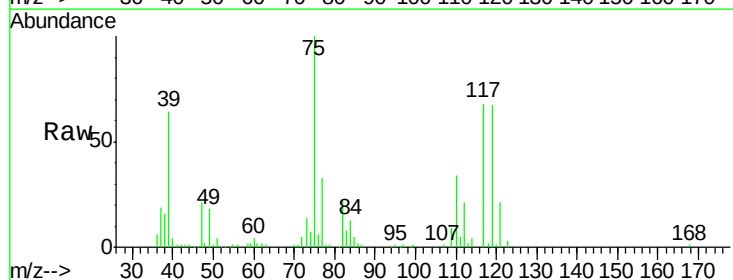
Manual Integrations
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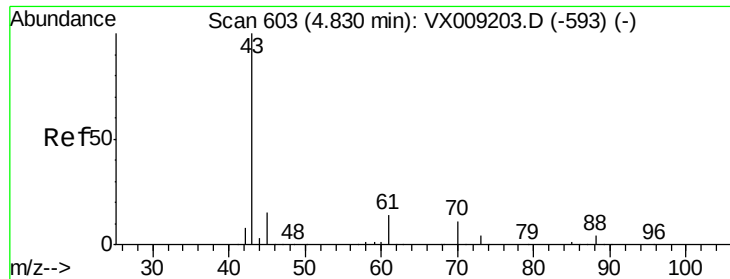
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 5/21/2019 9:13:29 AM



#36
 1,1-Dichloropropene
 Concen: 19.416 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009721.D
 Acq: 20 May 2019 13:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.9	50.6
77	32.0	24.8	37.2





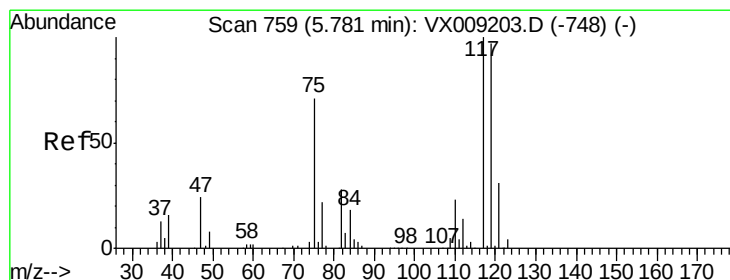
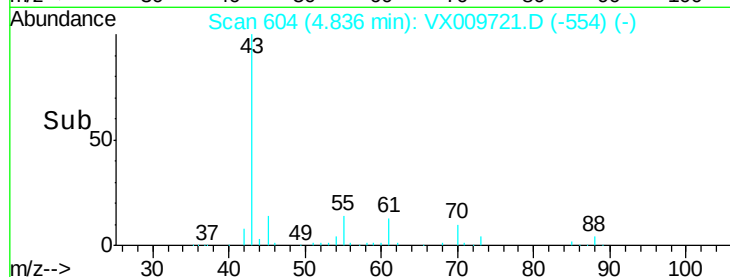
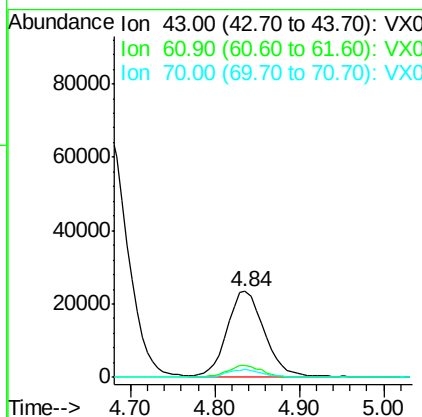
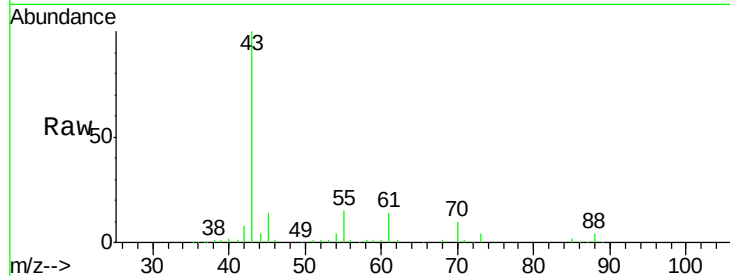
#37
Ethyl Acetate
Concen: 21.902 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.5	15.7
70	9.4	7.9	11.9

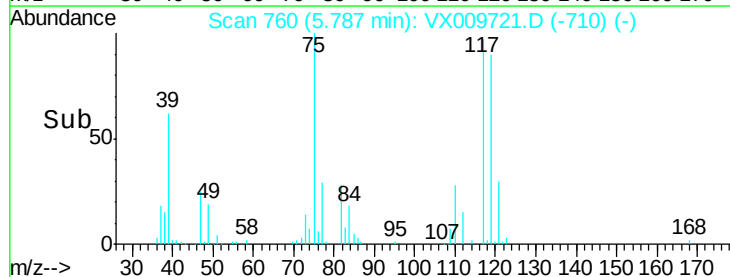
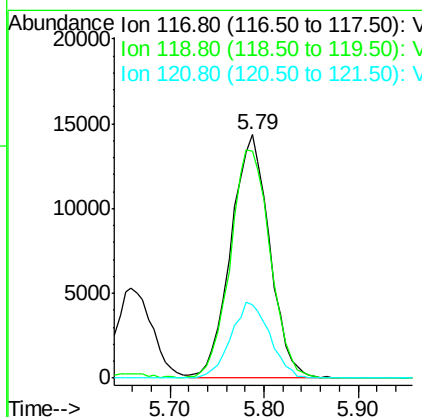
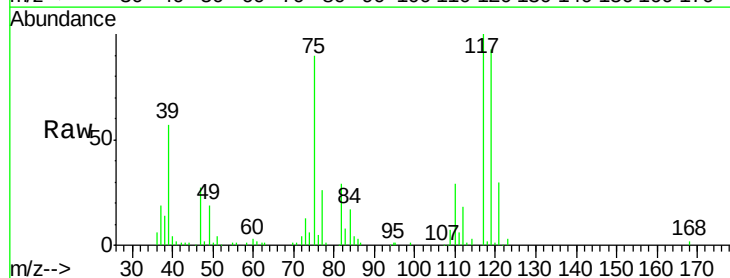
Manual Integrations
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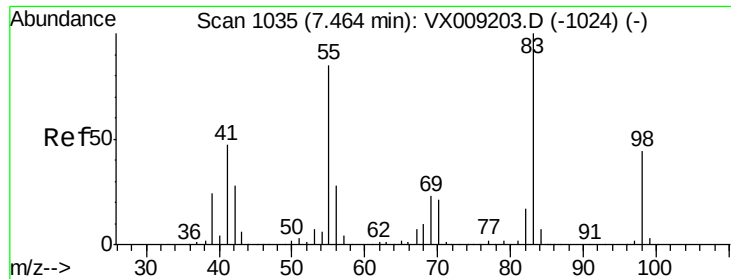
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#38
Carbon Tetrachloride
Concen: 20.007 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	77.5	116.3
121	30.1	24.7	37.1





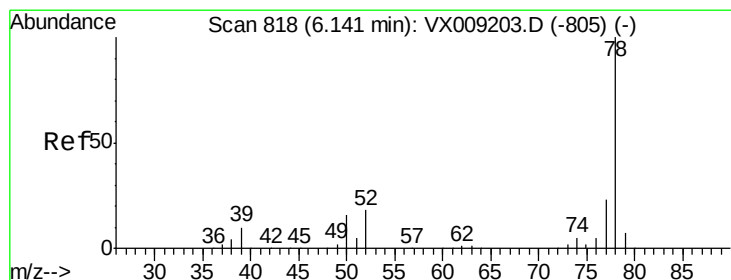
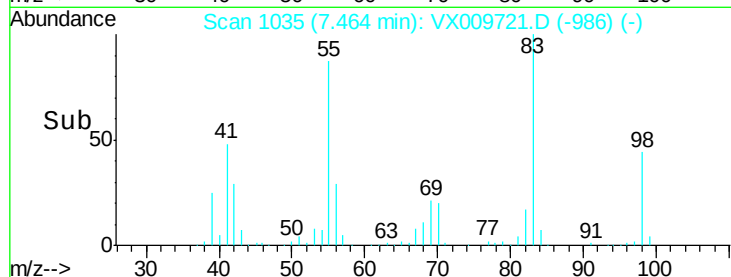
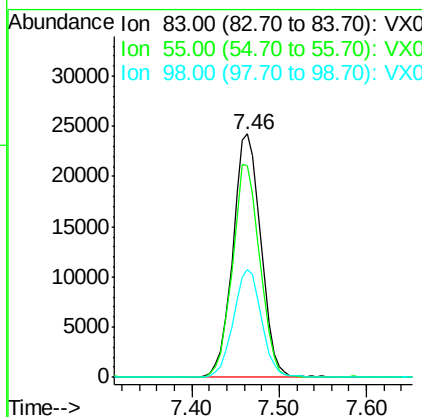
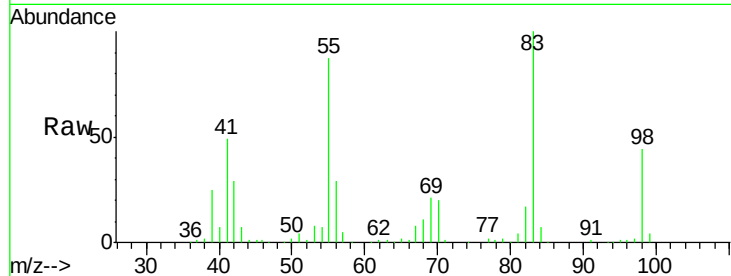
#39
Methylvlcyclohexane
Concen: 19.455 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBS01

Tot Ion	83	Resp	54094
Ion	Ratio	Lower	Upper
83	100		
55	86.9	67.7	101.5
98	44.1	35.5	53.3

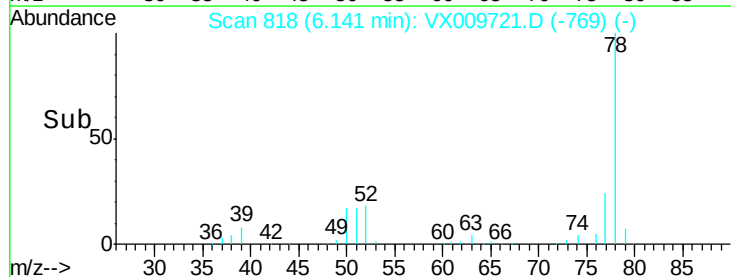
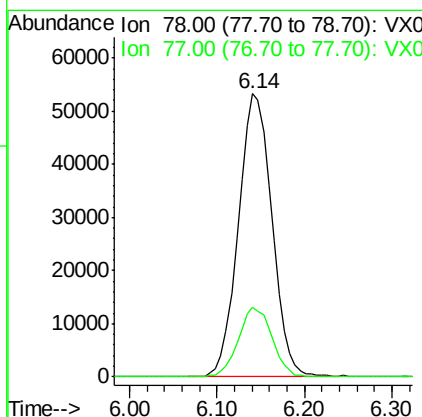
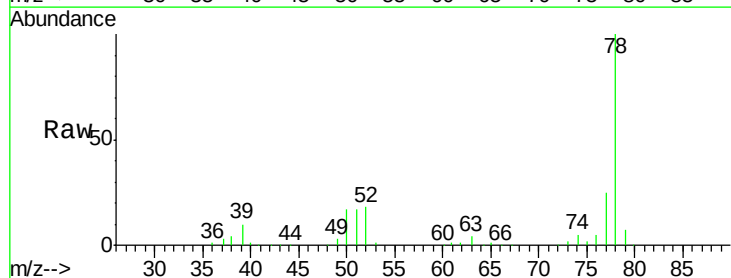
Manual Integrations
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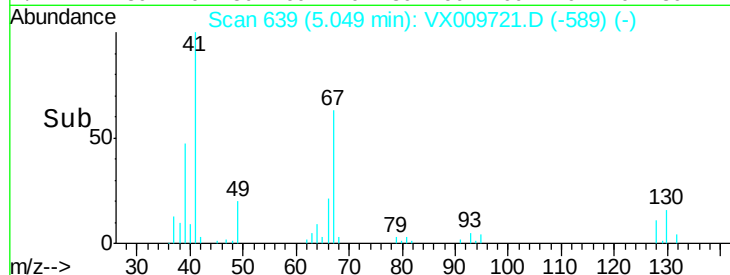
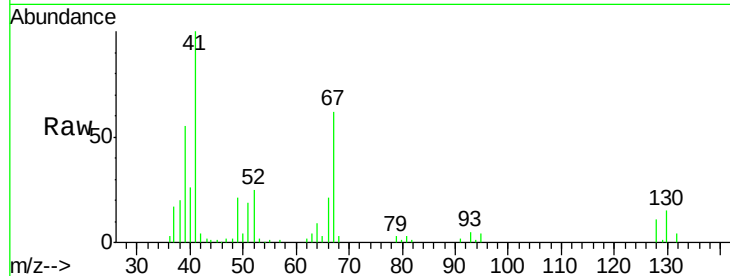
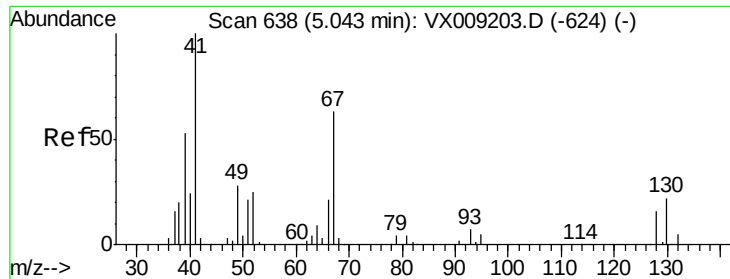
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#40
Benzene
Concen: 20.269 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Tgt Ion	78	Resp	142018
Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.8	28.2





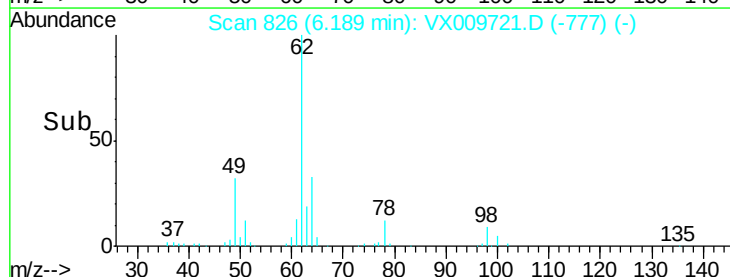
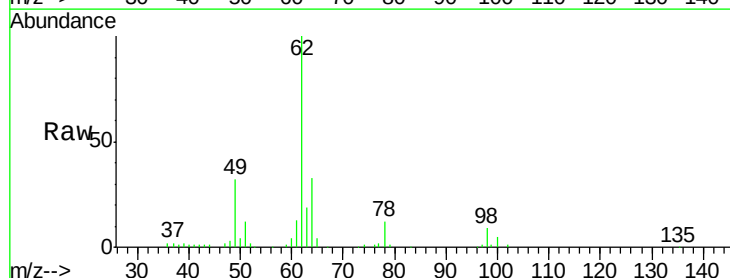
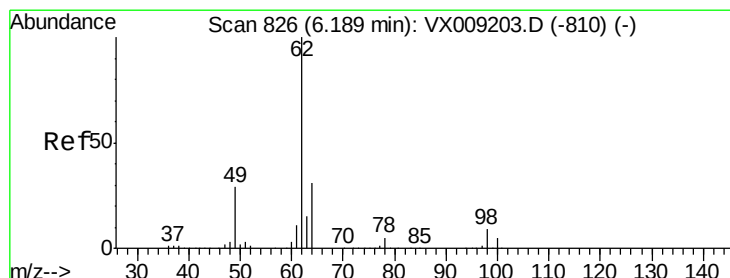
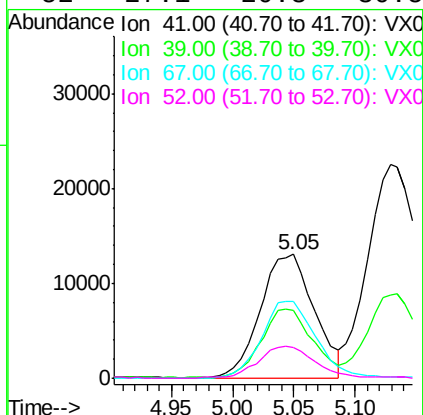
#41
Methacrylonitrile
Concen: 21.434 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100	40248		
39	39	53.7		42.0	63.0
67	67	62.5		49.8	74.8
52	52	27.1		20.3	30.5

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBS01

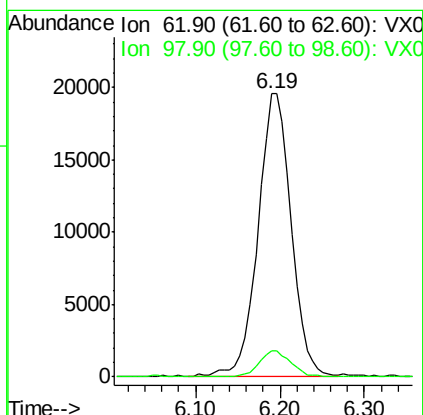
Manual Integrations
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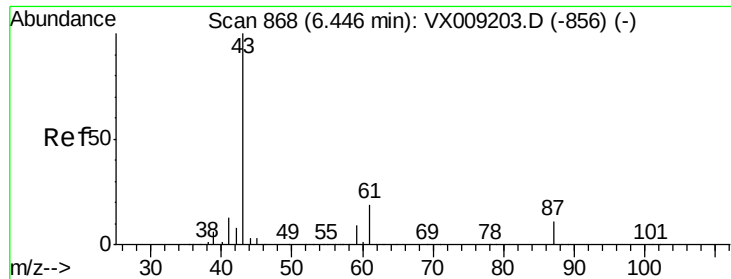
MMDadoda
5/21/2019 9:13:29 AM



#42
1,2-Dichloroethane
Concen: 21.133 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100	53116		
98	98	8.8		0.0	18.2





#43

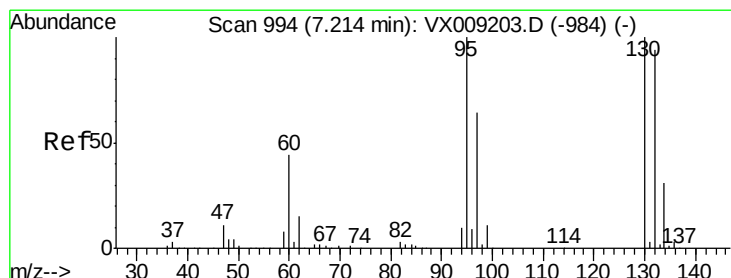
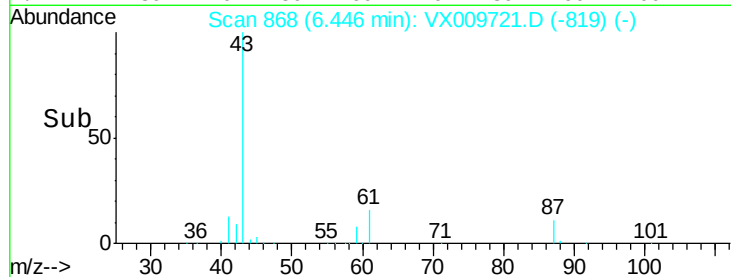
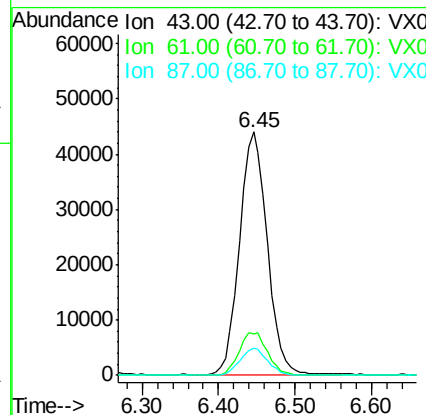
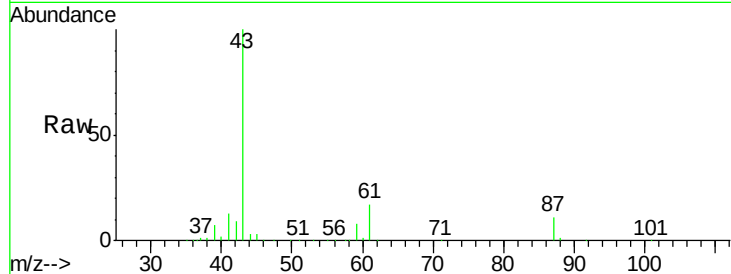
Isopropyl Acetate
 Concen: 21.847 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009721.D
 Acq: 20 May 2019 13:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.3	15.1	22.7
87	11.0	9.0	13.6

Manual Integrations
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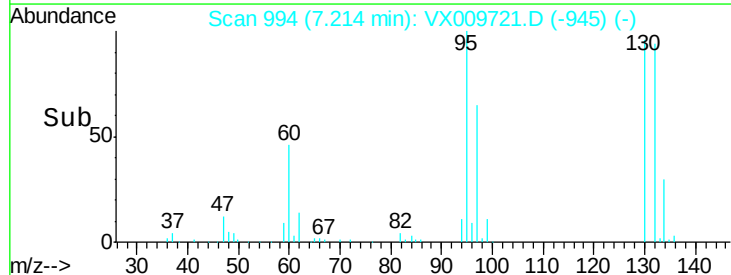
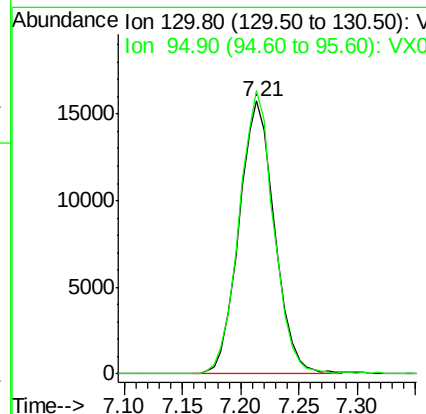
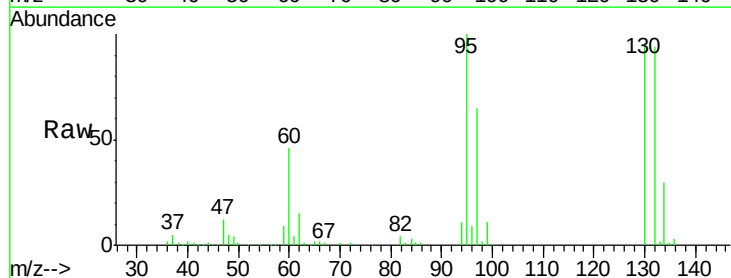
MMDadoda
 5/21/2019 9:13:29 AM

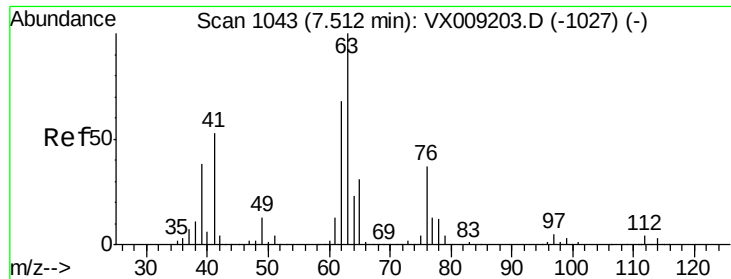


#44

Trichloroethene
 Concen: 19.742 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009721.D
 Acq: 20 May 2019 13:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	199.2





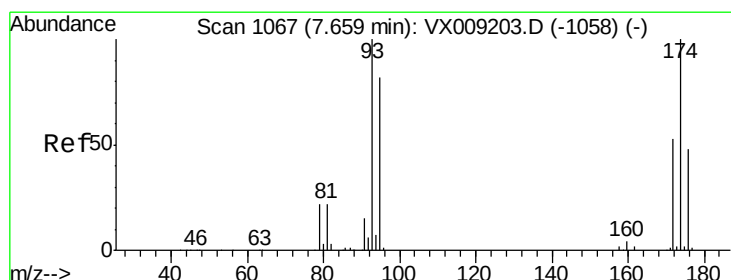
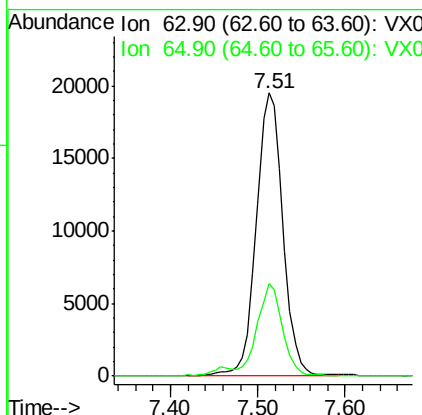
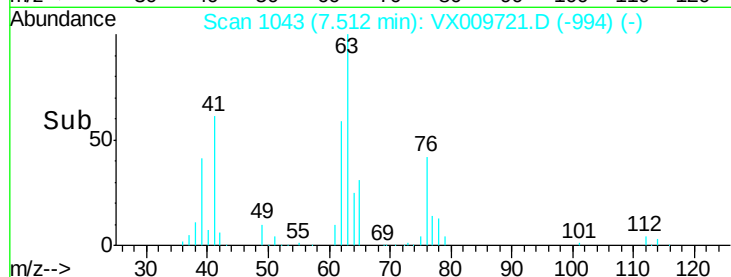
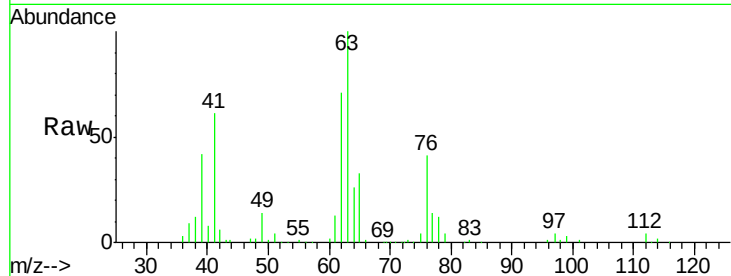
#45
 1,2-Dichloropropane
 Concen: 20.782 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009721.D
 Acq: 20 May 2019 13:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBS01

Tot Ion: 63 Resp: 41232
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.0 37.6

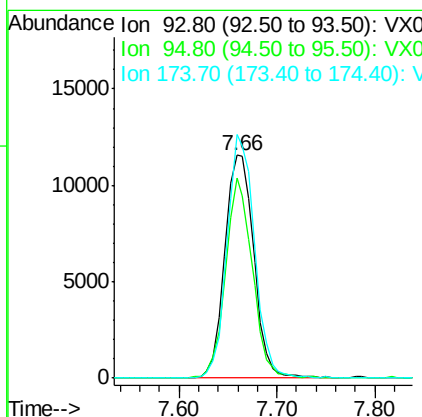
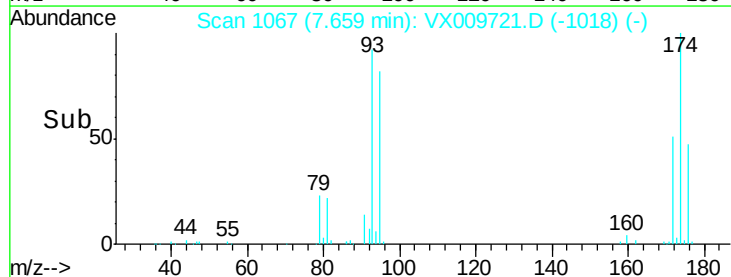
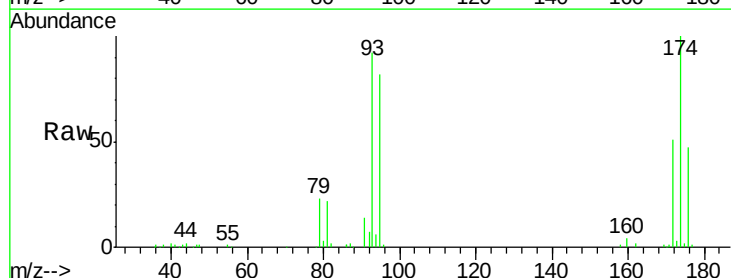
Manual Integrations
 APPROVED

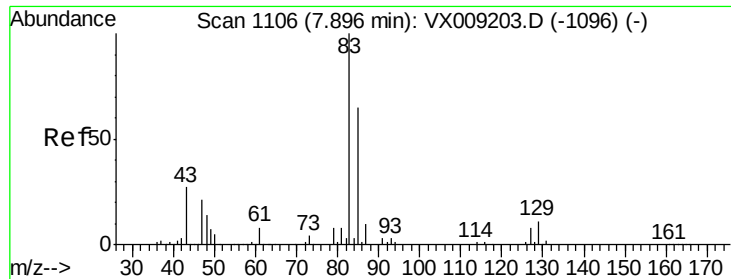
MMDadoda
 5/21/2019 9:13:29 AM



#46
 Dibromomethane
 Concen: 20.701 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009721.D
 Acq: 20 May 2019 13:18

Tgt Ion: 93 Resp: 23850
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.5 99.7
 174 102.9 82.1 123.1





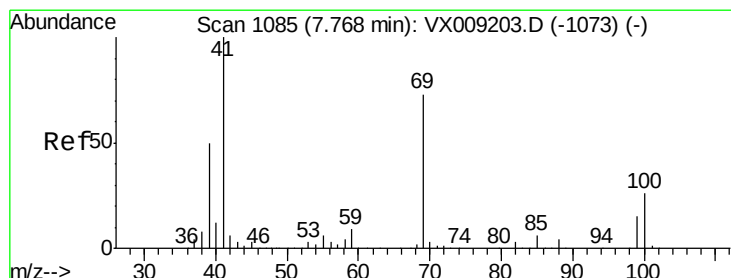
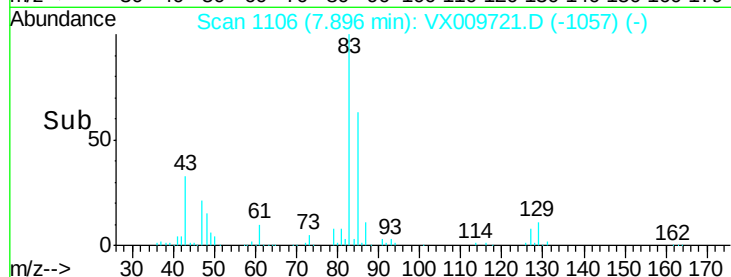
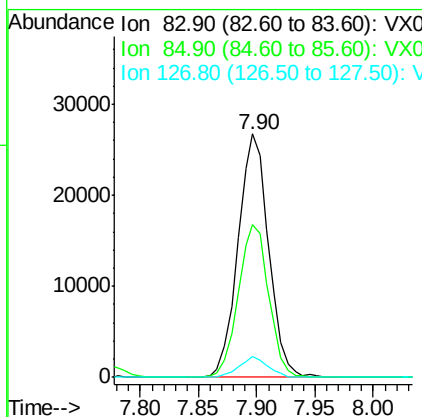
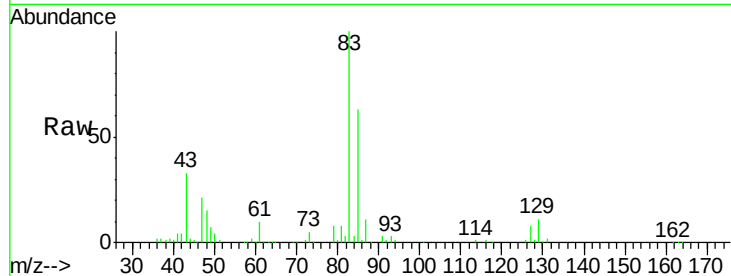
#47
 Bromodichloromethane
 Concen: 21.261 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VX009721.D
 Acq: 20 May 2019 13:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBS01

Tot Ion	83	Resp	48862
Ion Ratio	100	Lower	Upper
83	100		
85	62.8	52.4	78.6
127	8.4	6.6	10.0

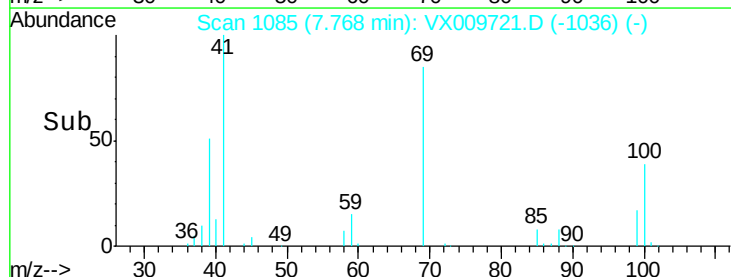
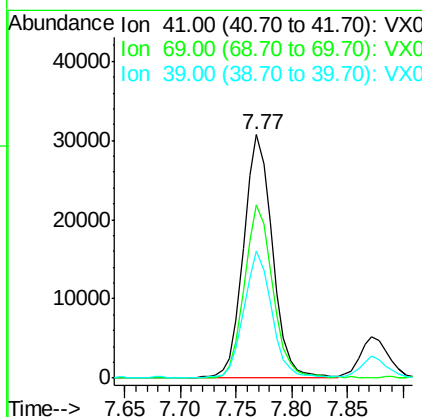
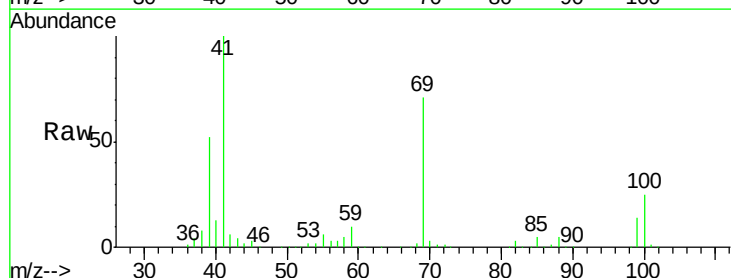
Manual Integrations
 APPROVED

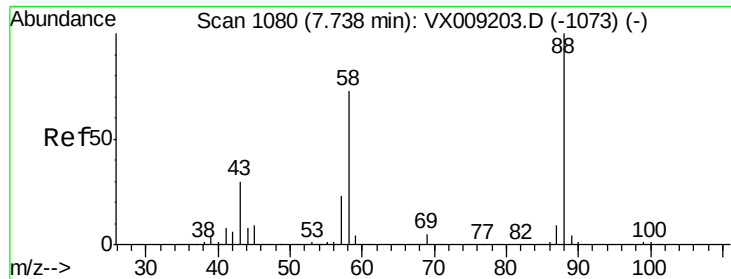
MMDadoda
 5/21/2019 9:13:29 AM



#48
 Methyl methacrylate
 Concen: 21.985 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VX009721.D
 Acq: 20 May 2019 13:18

Tgt Ion	41	Resp	55036
Ion Ratio	100	Lower	Upper
41	100		
69	71.1	59.1	88.7
39	50.2	40.4	60.6





#49

1,4-Dioxane

Concen: 427.113 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Instrument :

MSVOA_X

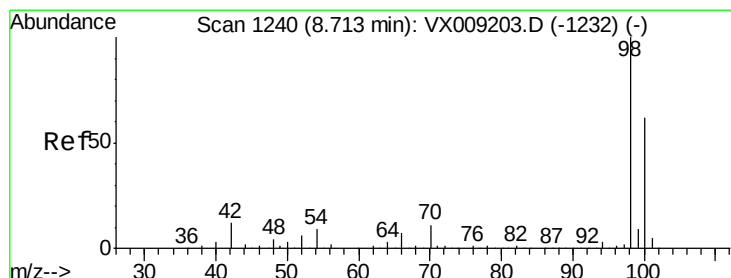
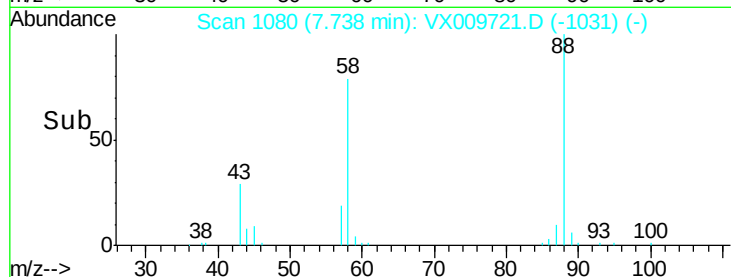
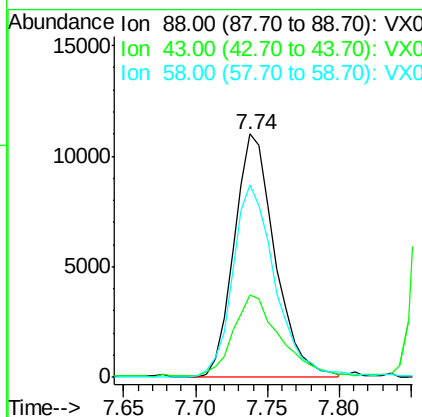
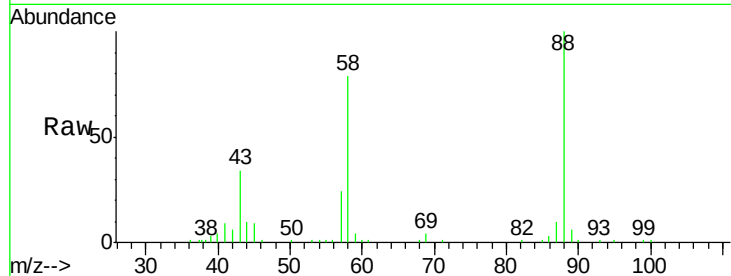
ClientSampled :

VX0520WBS01

Tot Ion:	88	Resp:	21683
Ion	Ratio	Lower	Upper
88	100		
43	37.9	28.6	42.8
58	82.7	61.7	92.5

Manual Integrations
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5/21/2019 9:13:29 AM



#50

Toluene-d8

Concen: 46.494 ug/l

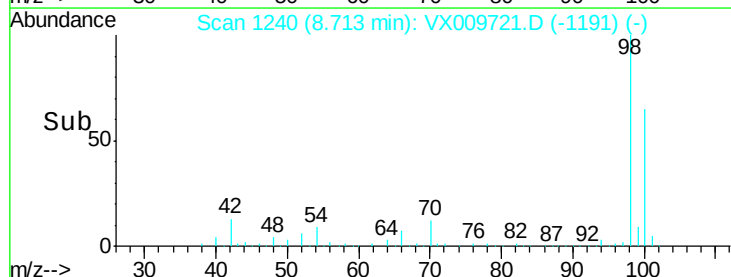
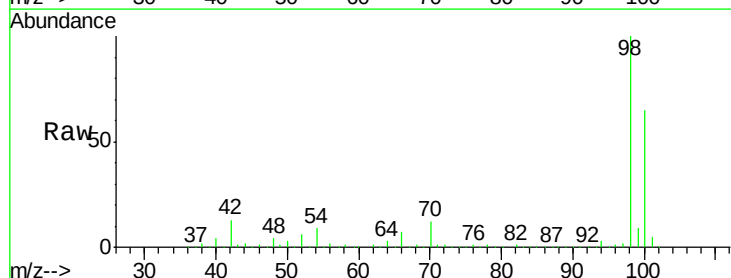
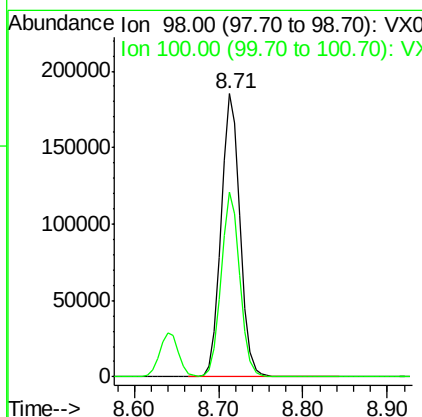
RT: 8.71 min Scan# 1240

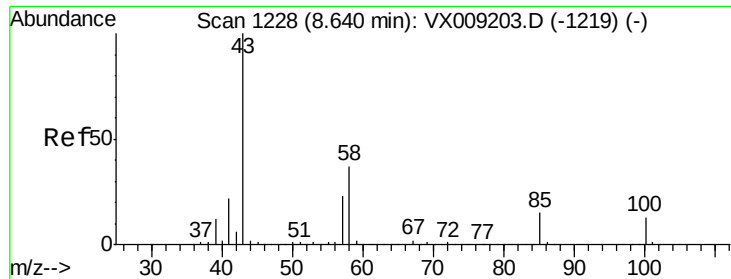
Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Tgt Ion:	98	Resp:	287477
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.2	76.8





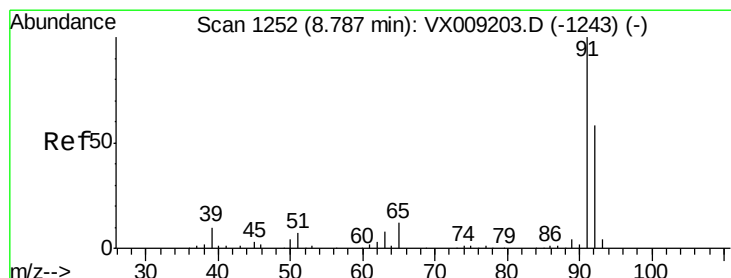
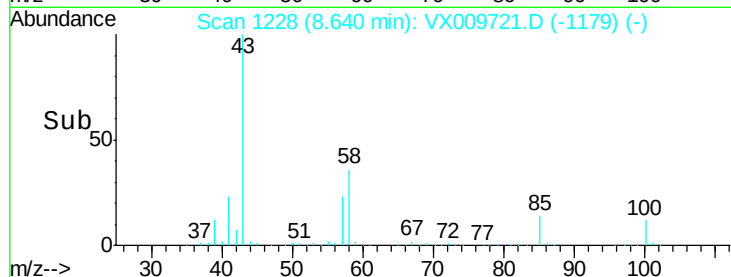
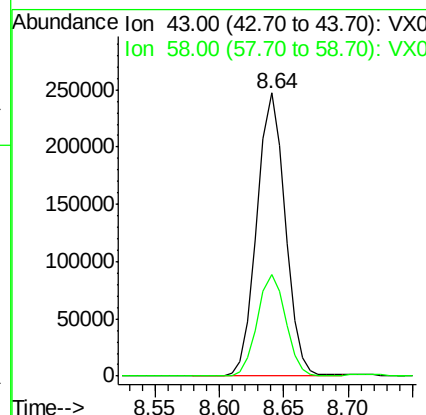
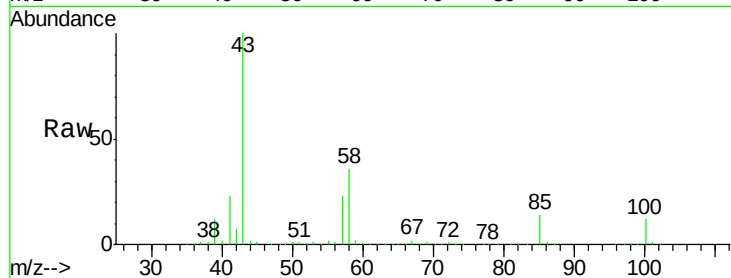
#51
4-Methyl-2-Pentanone
Concen: 113.762 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Instrument :
MSVOA_X
ClientSampled :
VX0520WBS01

Tot Ion	43	58	Resp	Lower	Upper
43	100				
58	36.2		29.5	44.3	

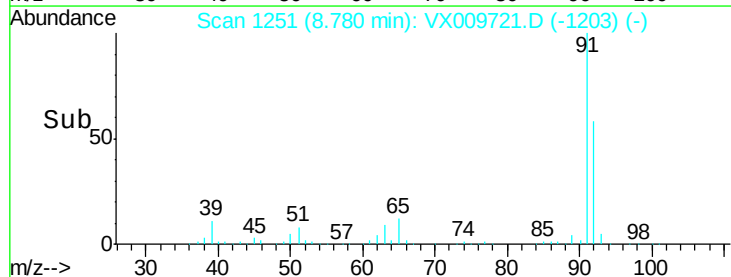
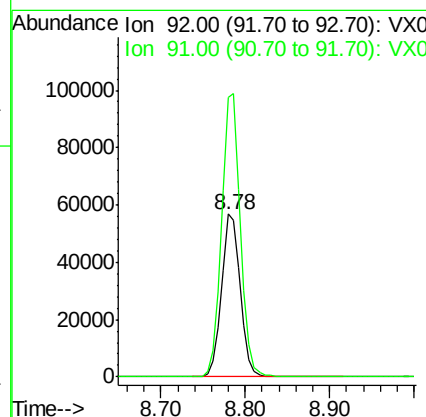
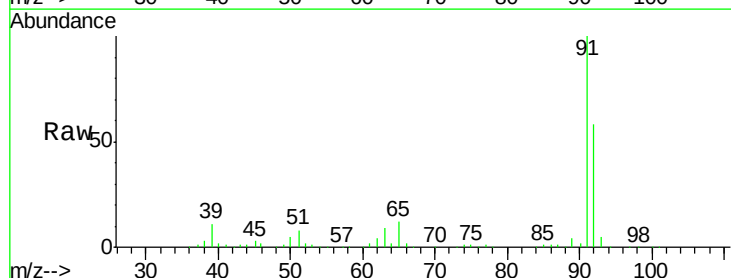
Manual Integrations
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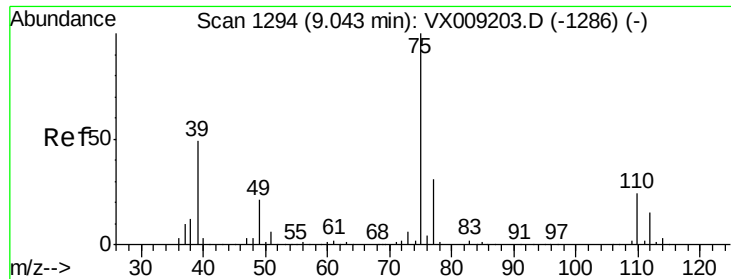
MMDadoda
5/21/2019 9:13:29 AM



#52
Toluene
Concen: 20.615 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Tgt Ion	92	91	Resp	Lower	Upper
92	100				
91	173.5		138.8	208.2	





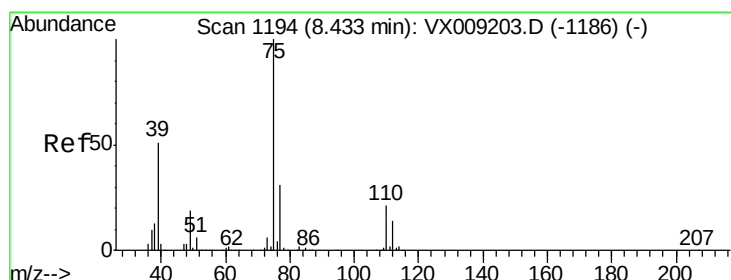
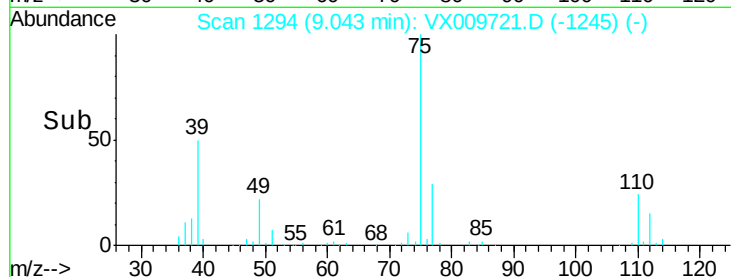
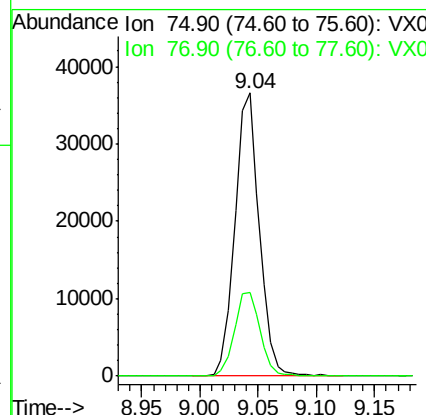
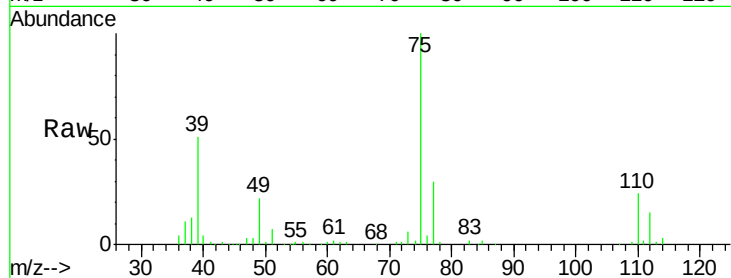
#53
t-1,3-Dichloropropene
Concen: 20.585 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBS01

Tot Ion: 75 Resp: 53411
Ion Ratio Lower Upper
75 100
77 29.5 25.0 37.6

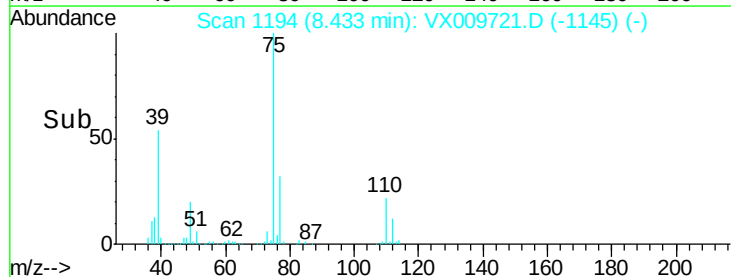
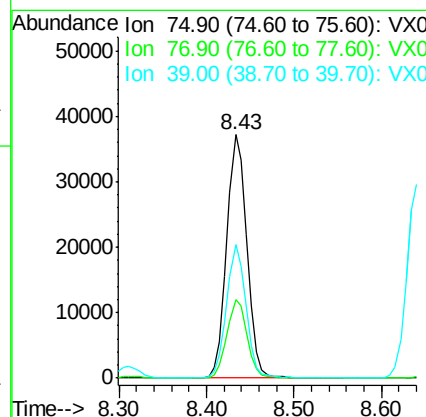
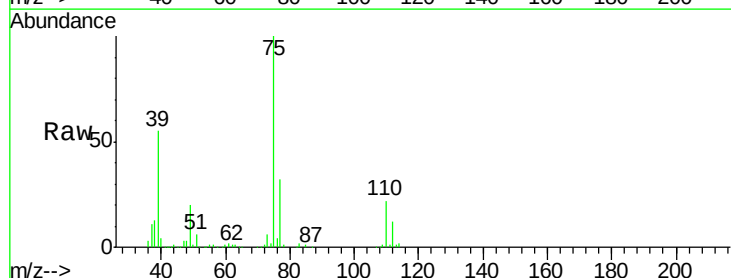
Manual Integrations
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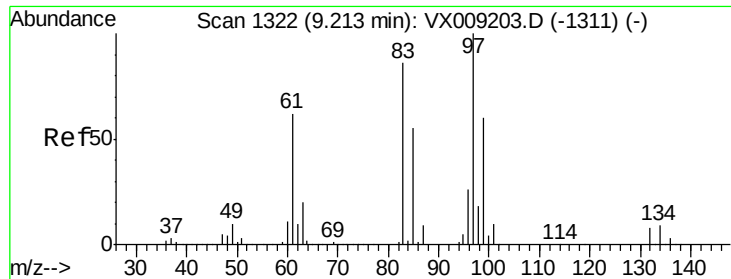
MMDadoda
5/21/2019 9:13:29 AM



#54
cis-1,3-Dichloropropene
Concen: 20.706 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Tgt Ion: 75 Resp: 59466
Ion Ratio Lower Upper
75 100
77 32.4 24.6 36.8
39 54.5 40.6 60.8





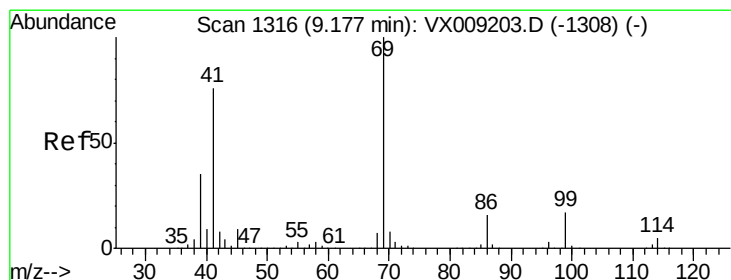
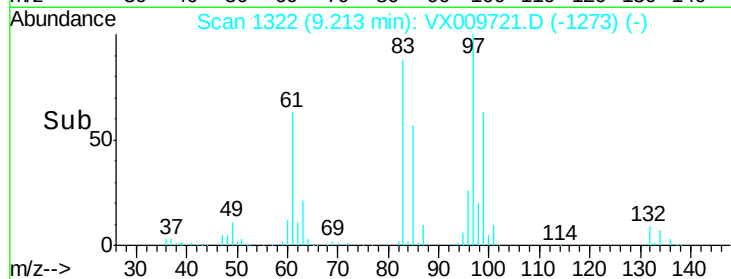
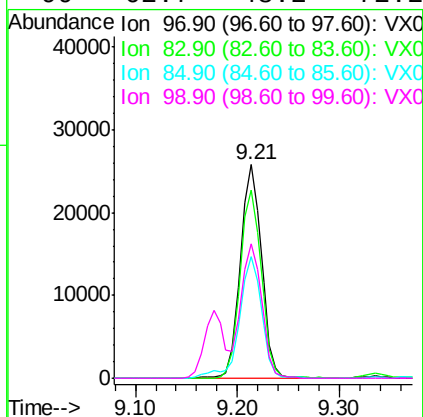
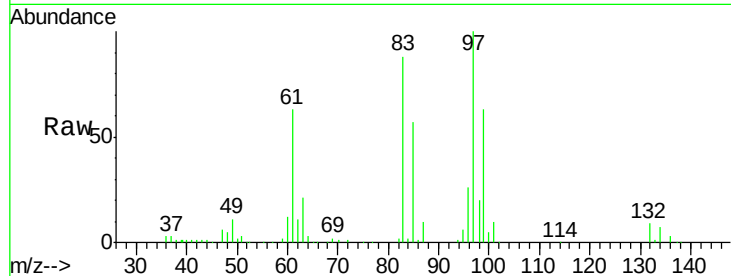
#55
1,1,2-Trichloroethane
Concen: 21.346 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		37091		
83	88.2	68.9	103.3		
85	56.8	43.8	65.6		
99	62.7	48.2	72.2		

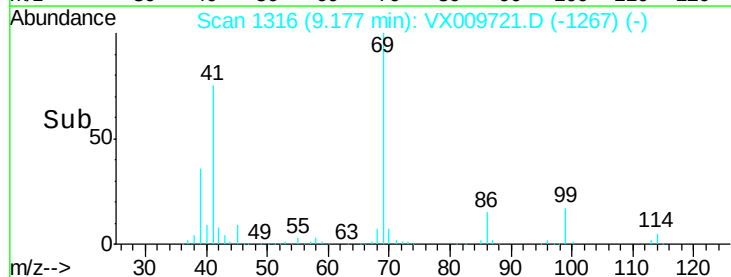
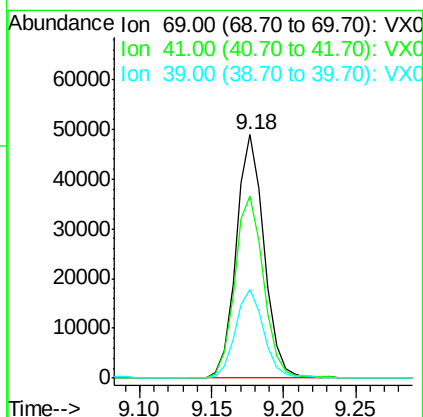
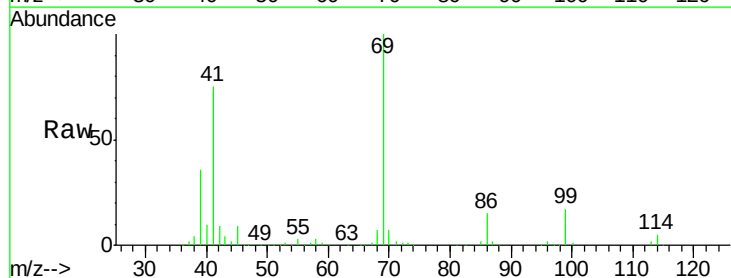
Manual Integrations
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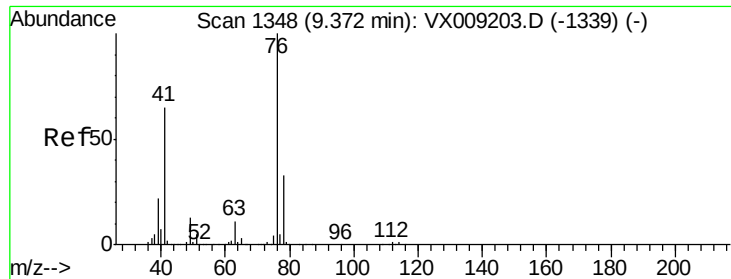
MMDadoda
5/21/2019 9:13:29 AM



#56
Ethyl methacrylate
Concen: 21.250 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		65912		
41	78.2	60.6	90.8		
39	37.8	28.2	42.4		





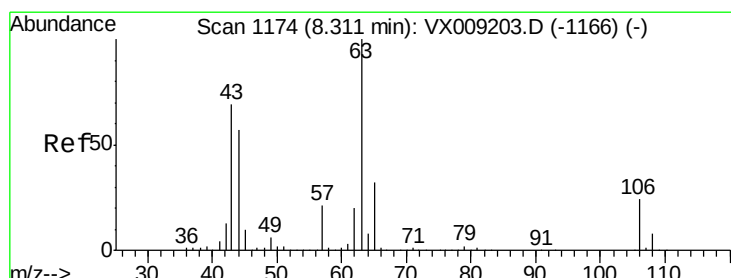
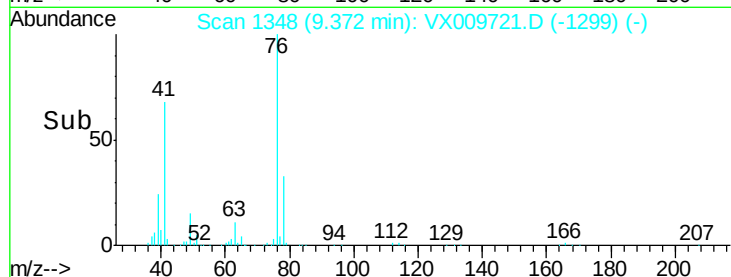
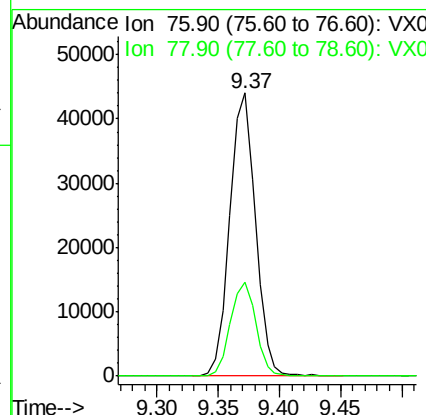
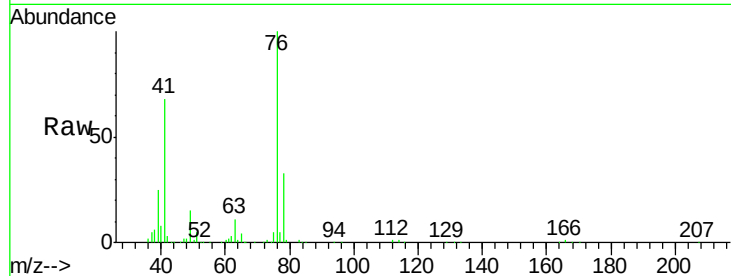
#57
 1,3-Dichloropropane
 Concen: 20.938 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009721.D
 Acq: 20 May 2019 13:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBS01

Tot Ion: 76 Resp: 64024
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.5 38.3

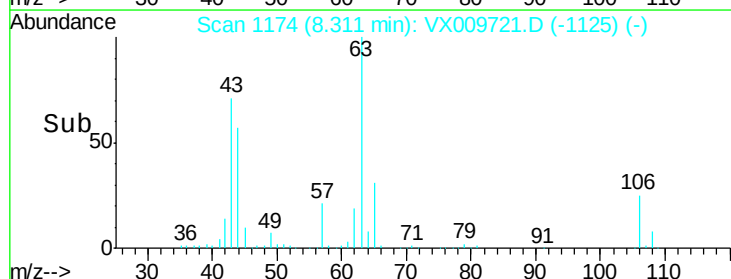
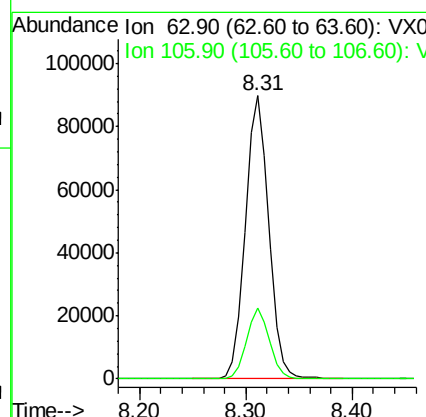
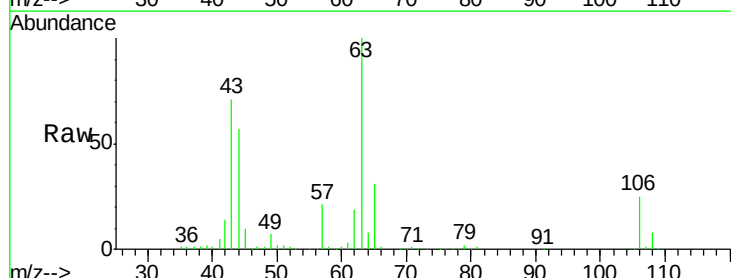
Manual Integrations
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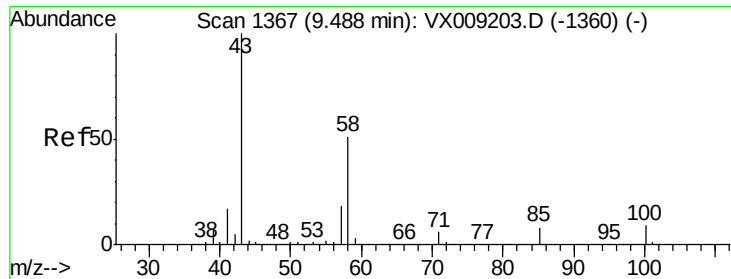
MMDadoda
 5/21/2019 9:13:29 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 84.347 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009721.D
 Acq: 20 May 2019 13:18

Tgt Ion: 63 Resp: 138791
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.7 29.5





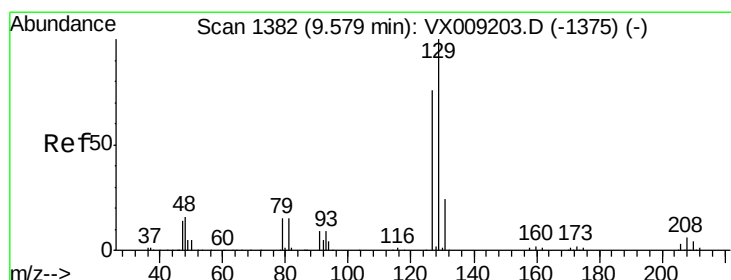
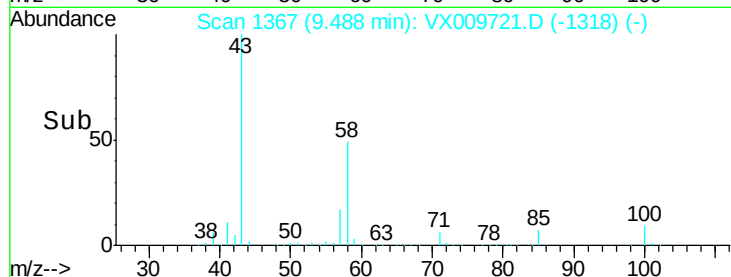
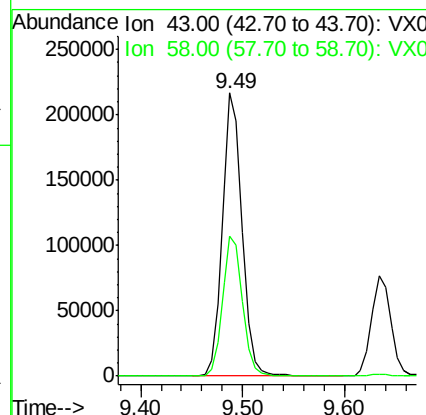
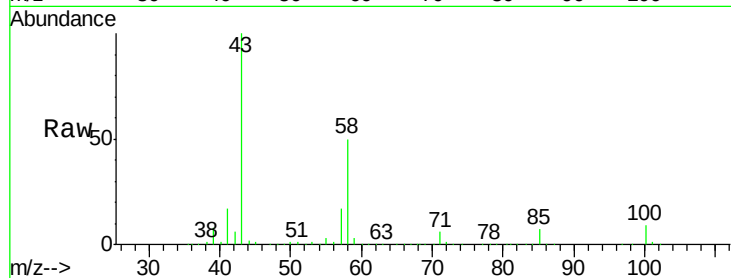
#59
2-Hexanone
Concen: 113.375 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Instrument :
MSVOA_X
ClientSampled :
VX0520WBS01

Tot Ion: 43 Resp: 293662
Ion Ratio Lower Upper
43 100
58 50.2 25.9 77.7

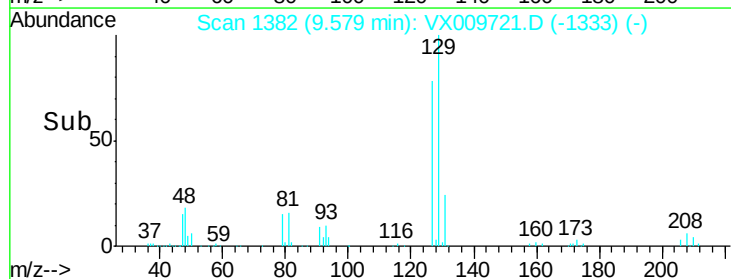
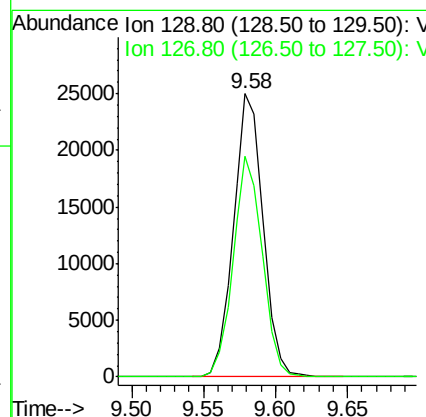
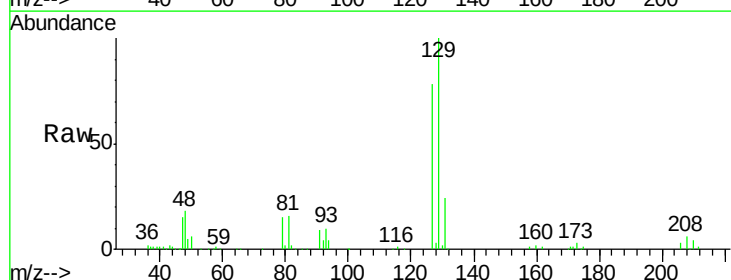
Manual Integrations
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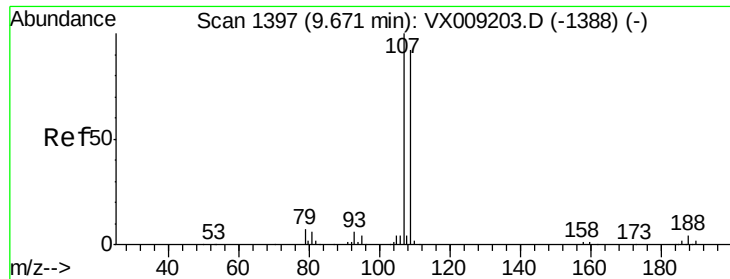
MMDadoda
5/21/2019 9:13:29 AM



#60
Dibromochloromethane
Concen: 21.145 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Tgt Ion: 129 Resp: 35885
Ion Ratio Lower Upper
129 100
127 76.7 38.4 115.1





#61

1,2-Dibromoethane

Concen: 21.023 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBS01

Tot Ion:107 Resp: 36875

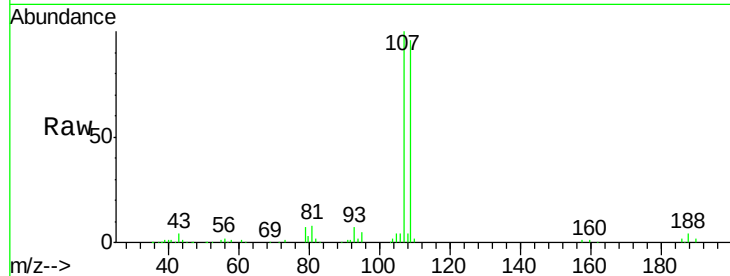
Ion Ratio Lower Upper

107 100

109 94.0 75.2 112.8

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

25000

20000

15000

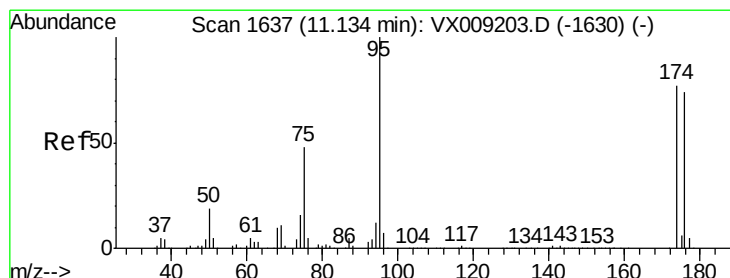
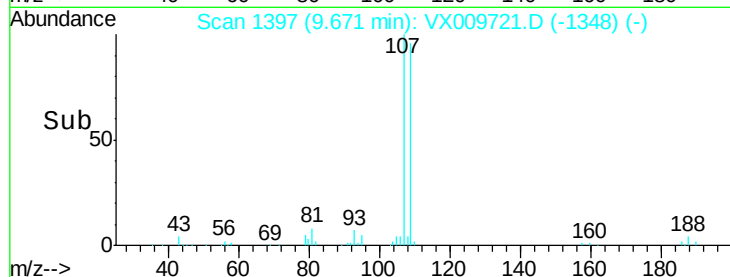
10000

5000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 47.203 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

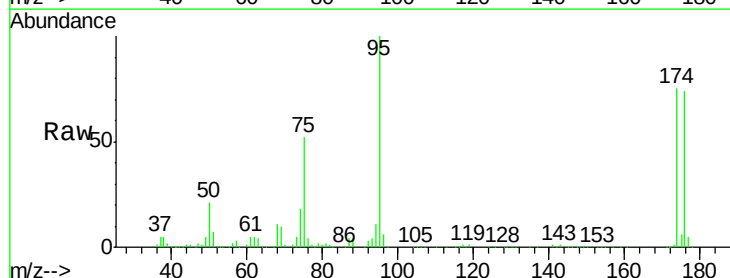
Tgt Ion: 95 Resp: 106050

Ion Ratio Lower Upper

95 100

174 81.6 0.0 161.6

176 78.4 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

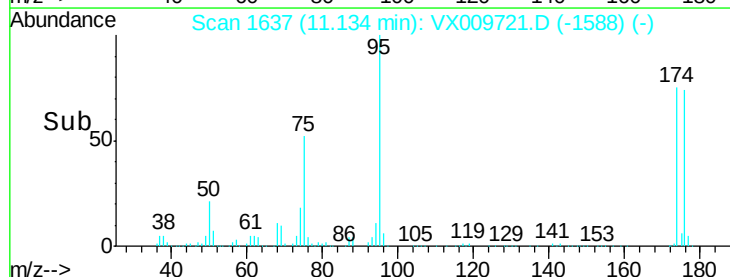
40000

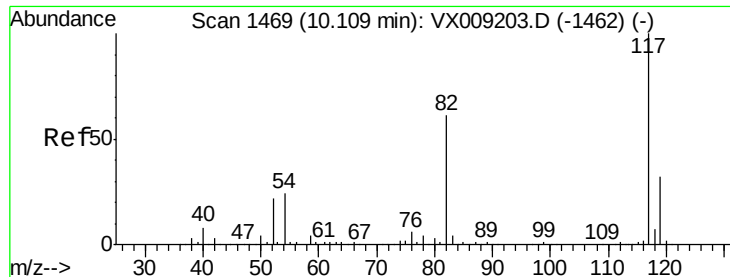
20000

0

Time-->

11.10 11.20





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBS01

Tot Ion:117 Resp: 222757

Ion Ratio Lower Upper

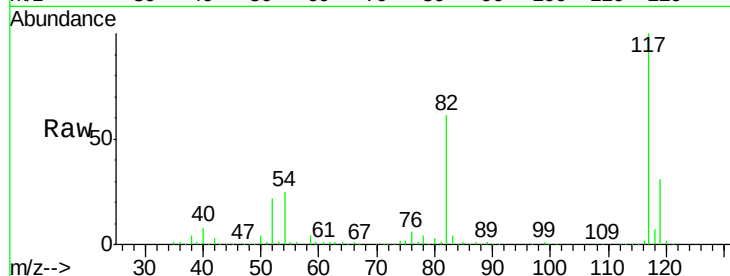
117 100

82 60.8 48.8 73.2

119 31.0 25.8 38.6

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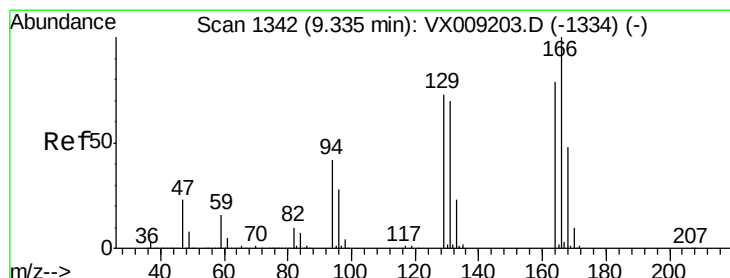
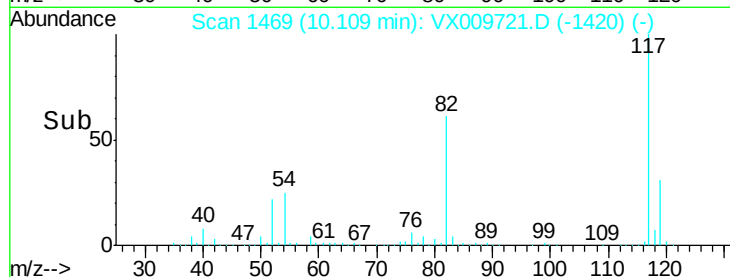
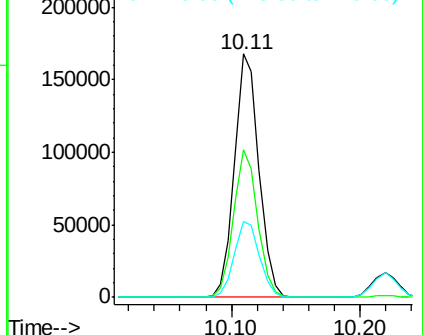
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.197 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Tgt Ion:164 Resp: 30861

Ion Ratio Lower Upper

164 100

166 125.7 101.2 151.8

129 93.4 74.3 111.5

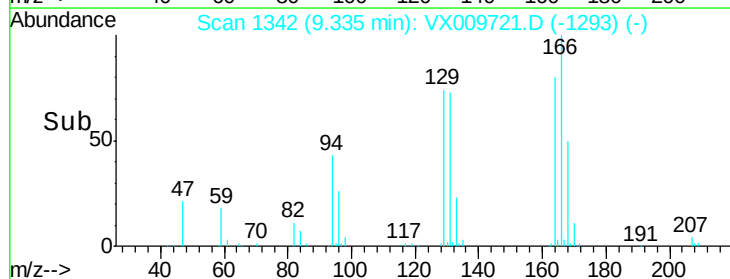
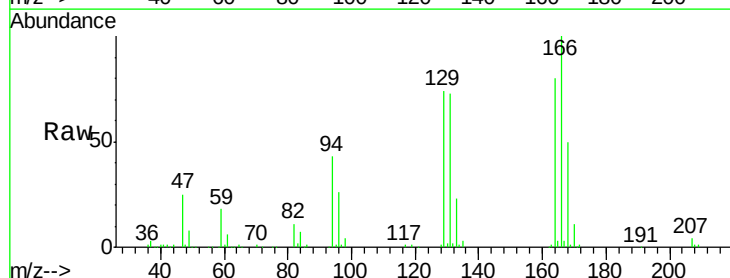
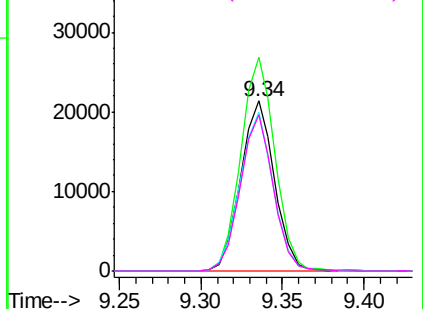
131 91.8 71.0 106.6

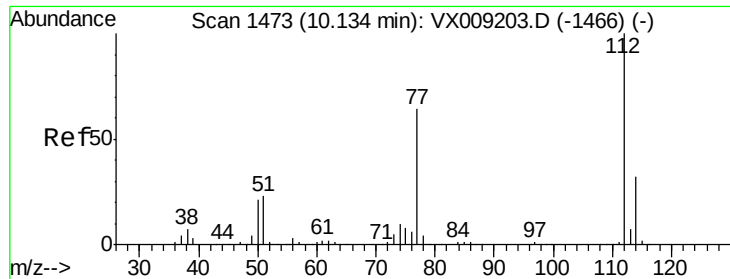
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.361 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBS01

Tot Ion:112 Resp: 90732

Ion Ratio Lower Upper

112 100

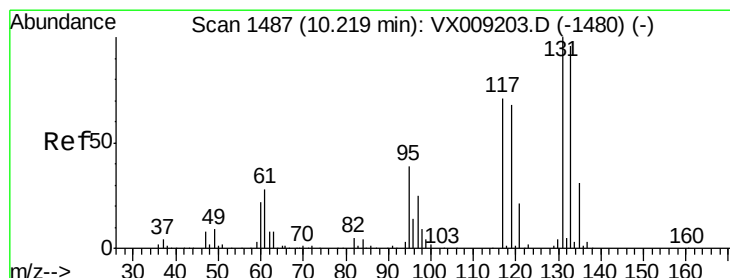
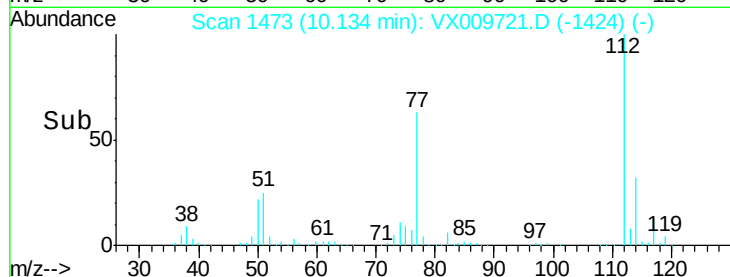
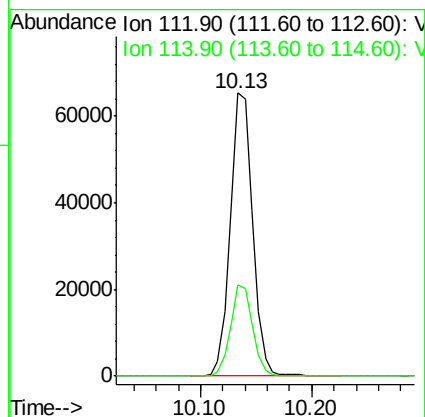
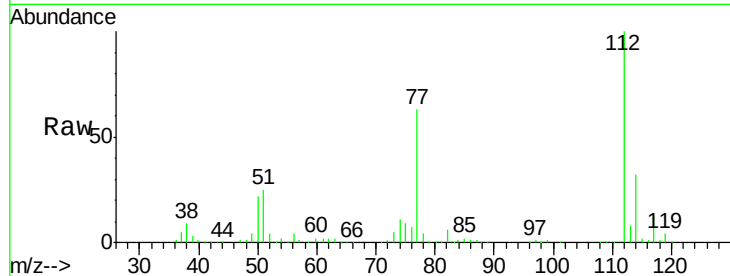
114 32.2 25.5 38.3

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.596 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

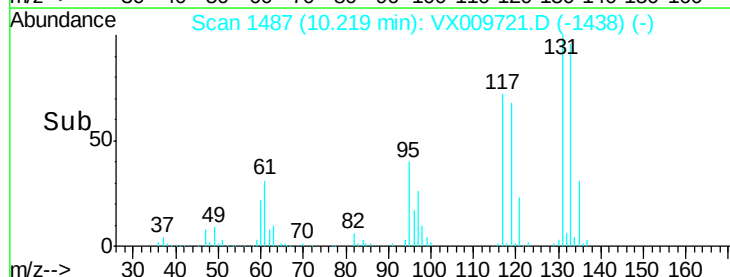
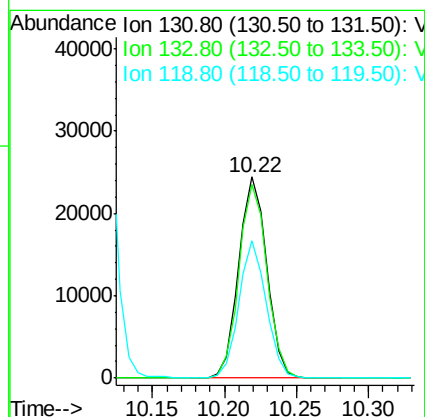
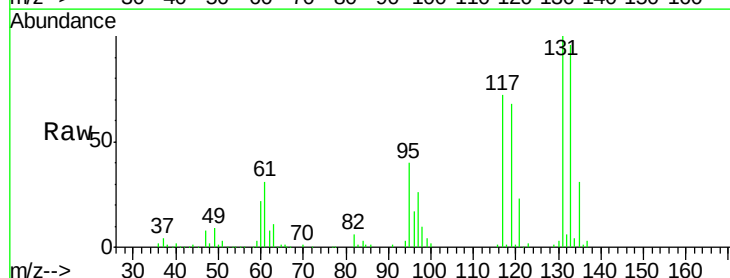
Tgt Ion:131 Resp: 33273

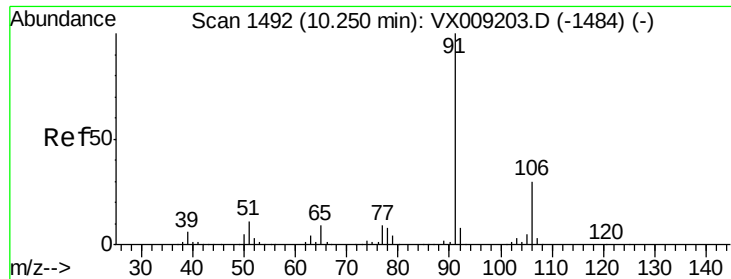
Ion Ratio Lower Upper

131 100

133 95.8 47.7 143.1

119 66.5 33.5 100.4





#67

Ethyl Benzene

Concen: 20.179 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Instrument :

MSVOA_X

ClientSampled :

VX0520WBS01

Tot Ion: 91 Resp: 165492

Ion Ratio Lower Upper

91 100

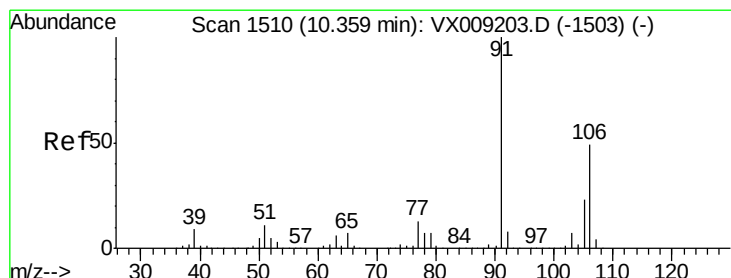
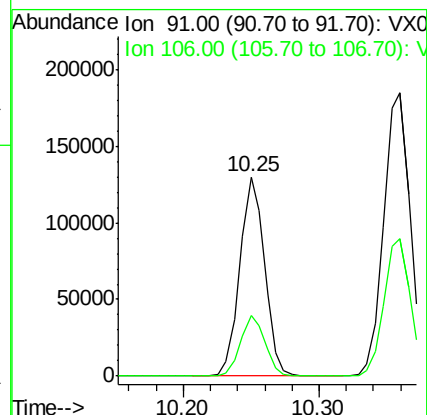
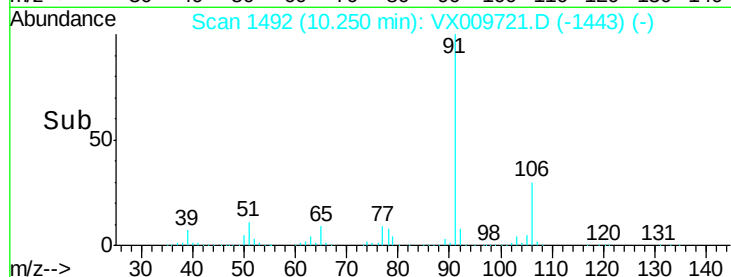
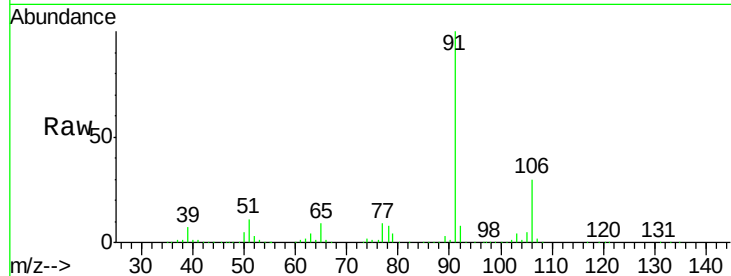
106 30.3 24.0 36.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.490 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009721.D

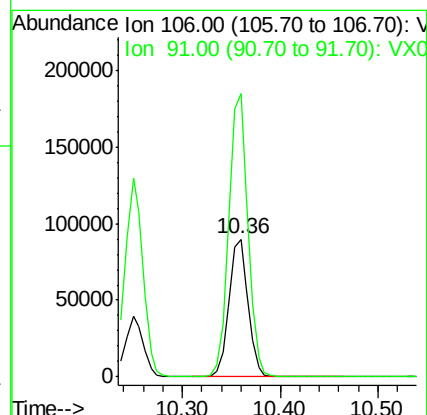
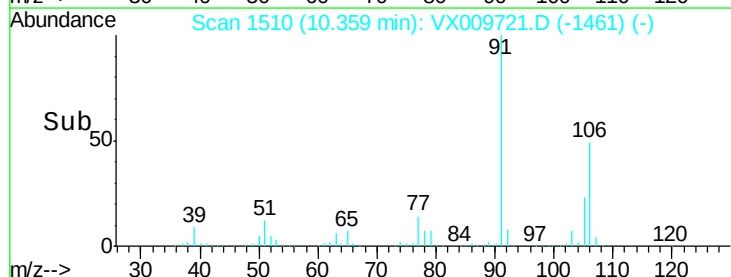
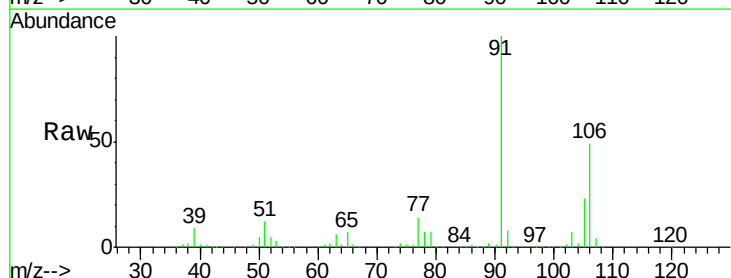
Acq: 20 May 2019 13:18

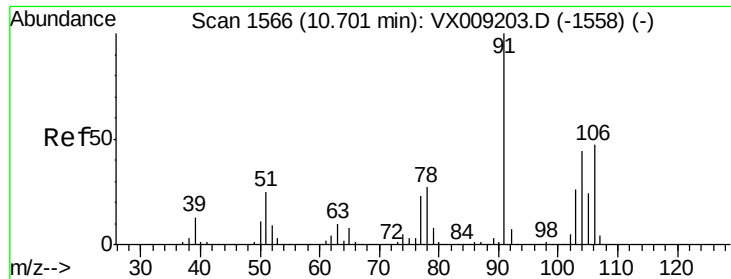
Tgt Ion: 106 Resp: 121344

Ion Ratio Lower Upper

106 100

91 206.4 164.0 246.0





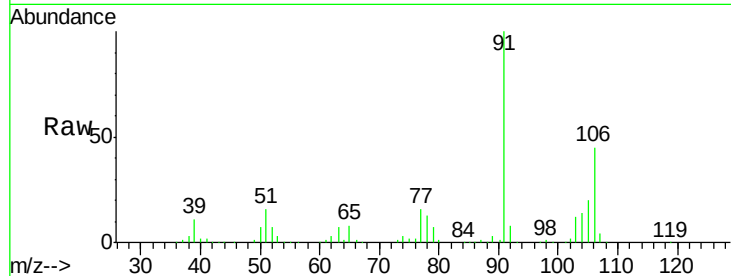
#69
o-Xylene
Concen: 20.355 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBS01

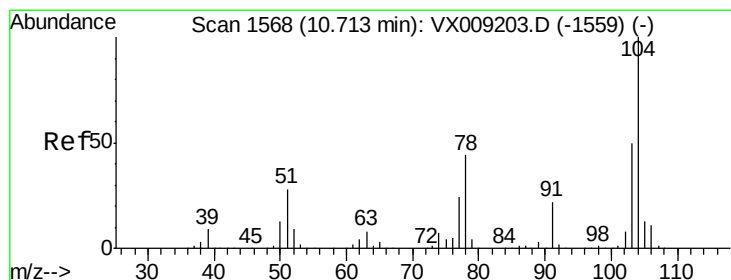
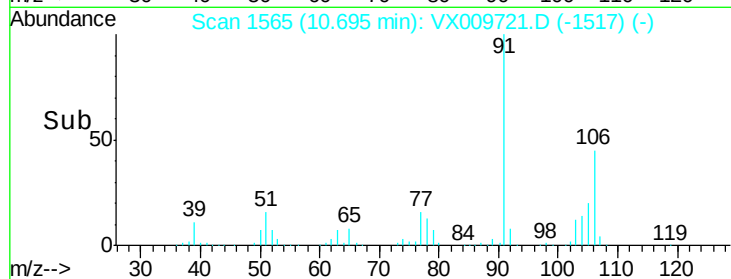
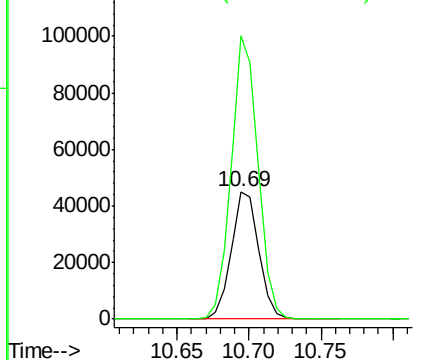
Tot Ion:106 Resp: 60188
Ion Ratio Lower Upper
106 100
91 217.6 109.5 328.4

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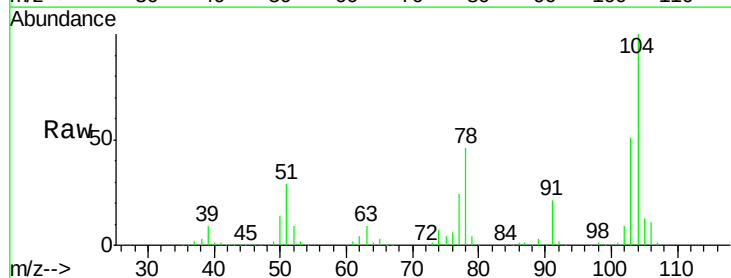


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

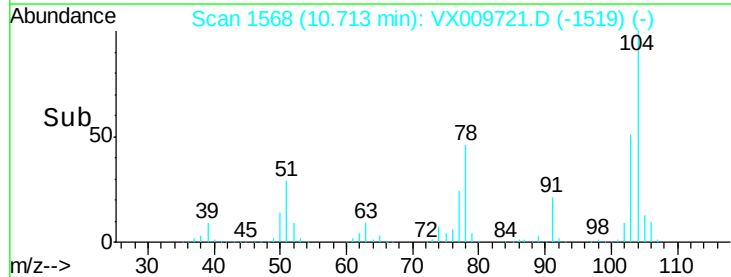
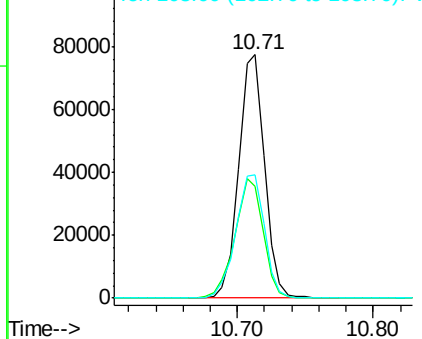


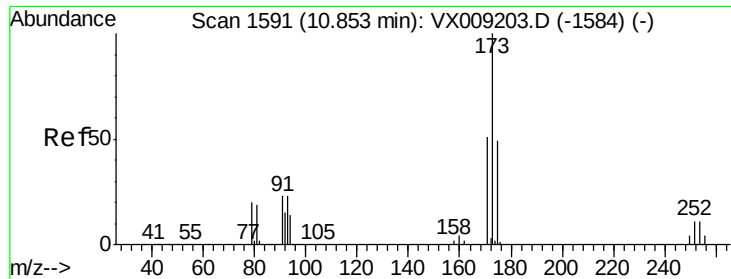
#70
Styrene
Concen: 19.983 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Tgt Ion:104 Resp: 102697
Ion Ratio Lower Upper
104 100
78 53.8 41.0 61.4
103 56.5 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.566 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Instrument :

MSVOA_X

ClientSampled :

VX0520WBS01

Tot Ion:173 Resp: 27000

Ion Ratio Lower Upper

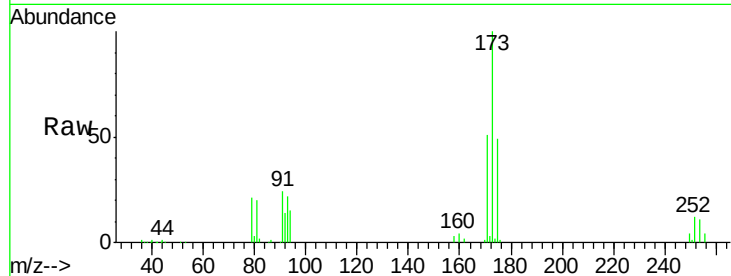
173 100

175 48.5 24.5 73.5

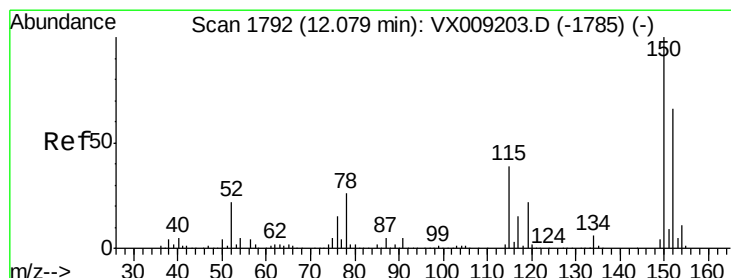
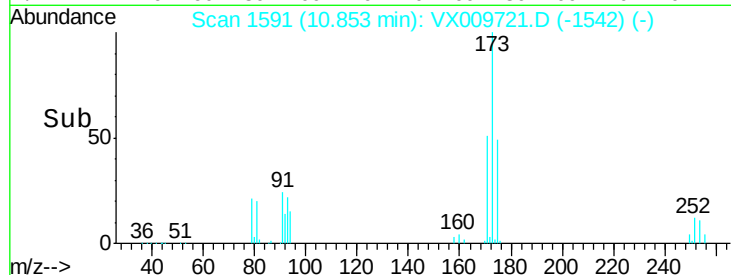
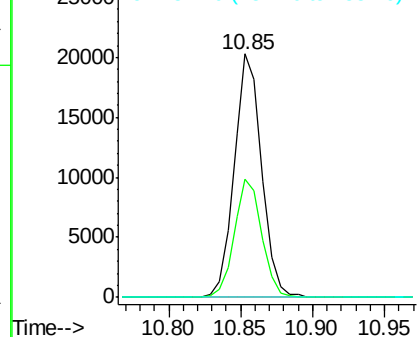
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

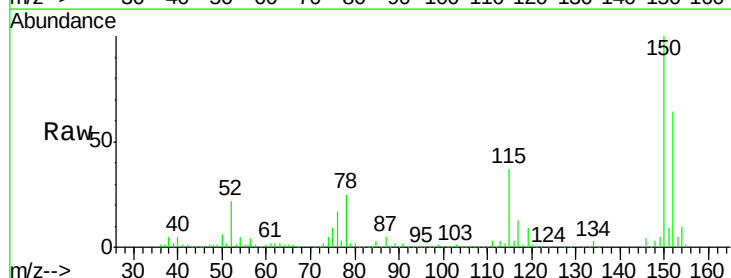
Tgt Ion:152 Resp: 108395

Ion Ratio Lower Upper

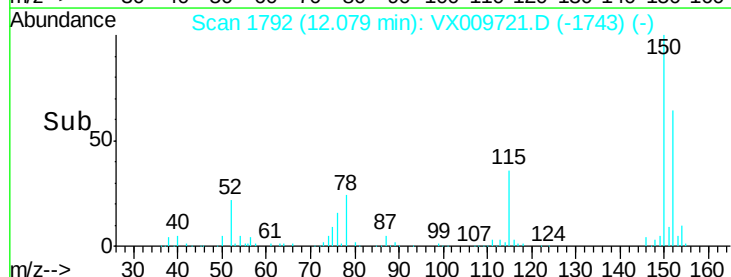
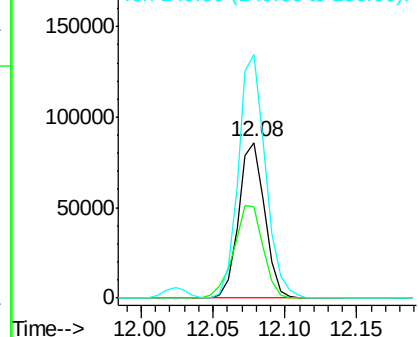
152 100

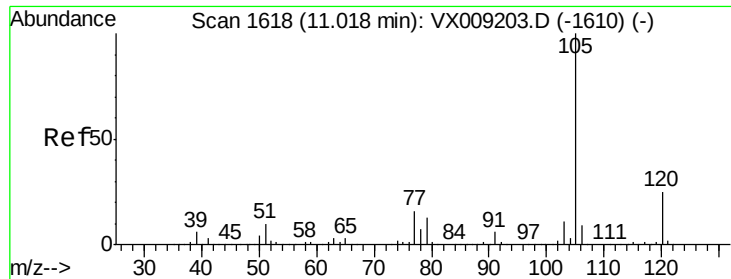
115 67.7 41.2 123.6

150 163.5 0.0 346.4



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





#73

Isopropylbenzene

Concen: 20.384 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBS01

Tot Ion: 105 Resp: 160674

Ion Ratio Lower Upper

105 100

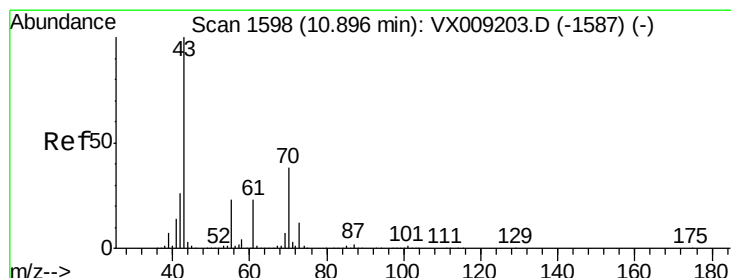
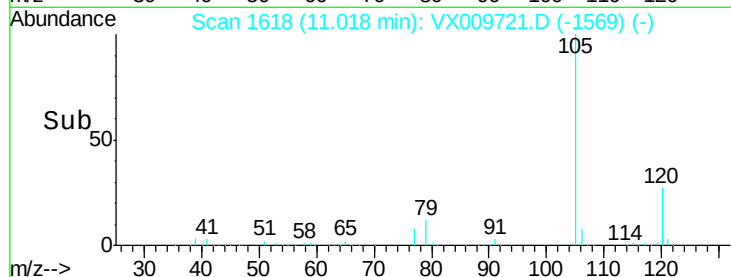
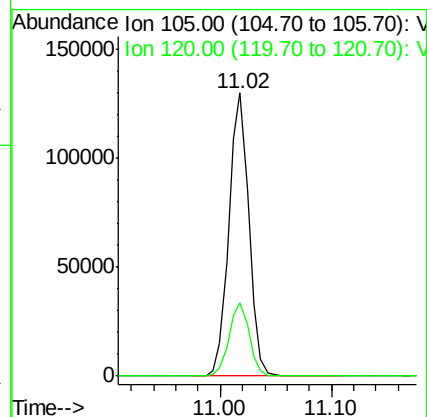
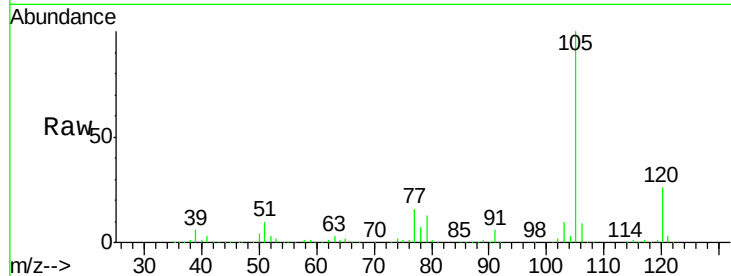
120 26.0 12.8 38.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.915 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Tgt Ion: 43 Resp: 96115

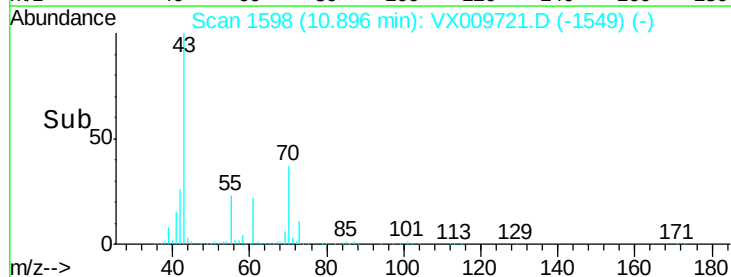
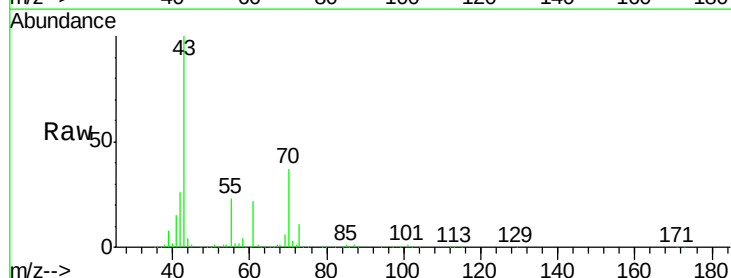
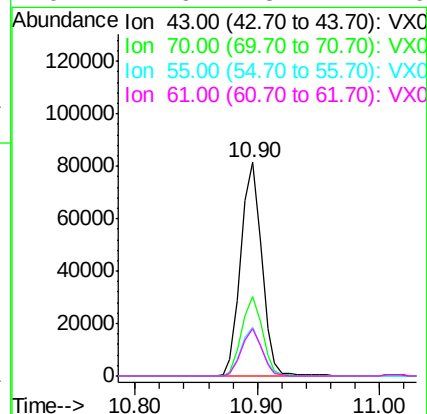
Ion Ratio Lower Upper

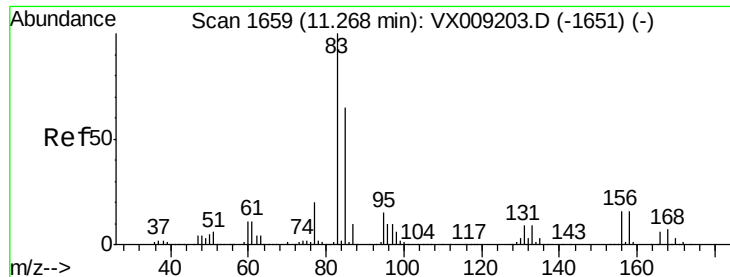
43 100

70 36.8 30.0 45.0

55 22.7 17.9 26.9

61 21.9 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.416 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Instrument :

MSVOA_X

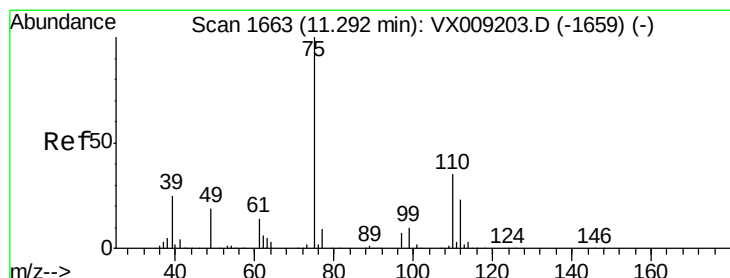
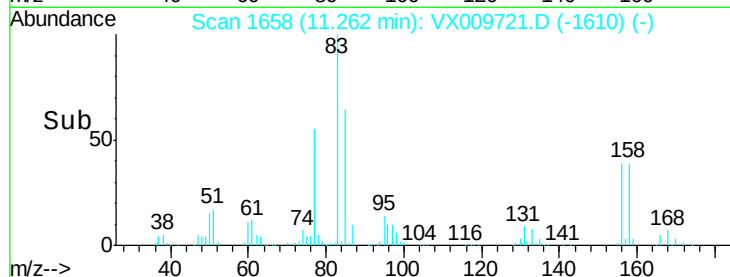
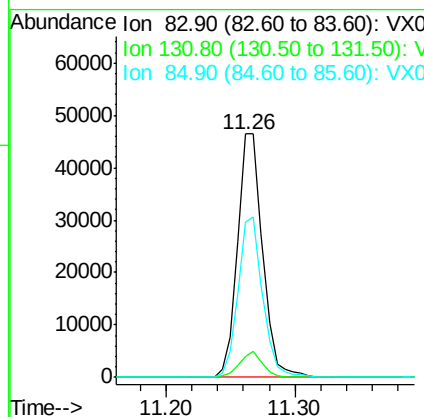
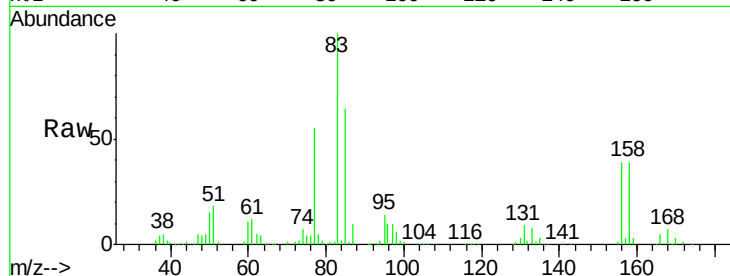
ClientSampleId :

VX0520WBS01

Tot Ion:	83	Resp:	62930
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.6	13.8
85	64.9	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.560 ug/l m

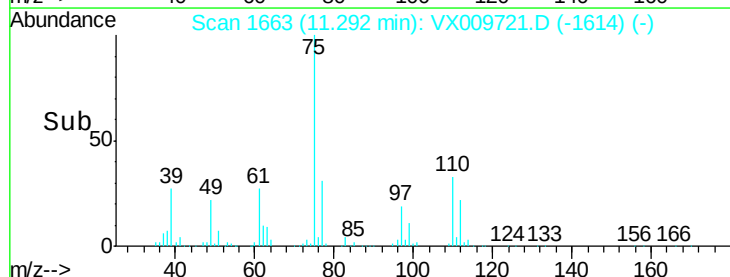
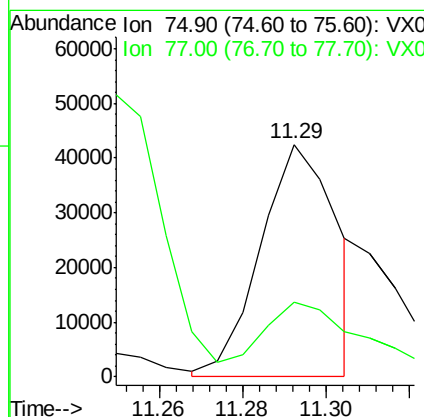
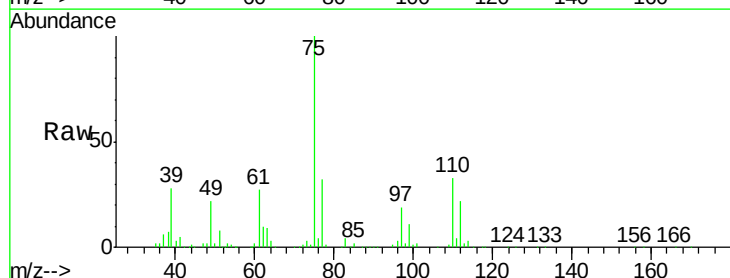
RT: 11.29 min Scan# 1663

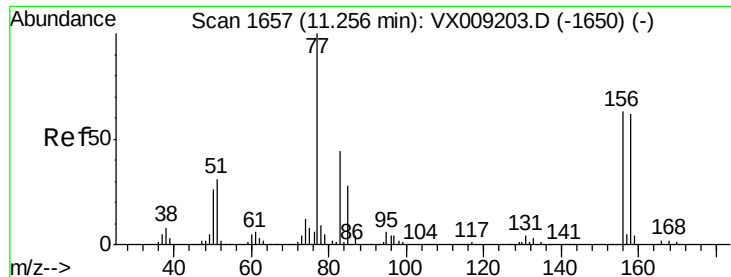
Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Tgt Ion:	75	Resp:	54210
Ion Ratio	Lower	Upper	
75	100		
77	43.0	22.1	66.1





#77

Bromobenzene

Concen: 20.244 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBS01

Tot Ion:156 Resp: 39607

Ion Ratio Lower Upper

156 100

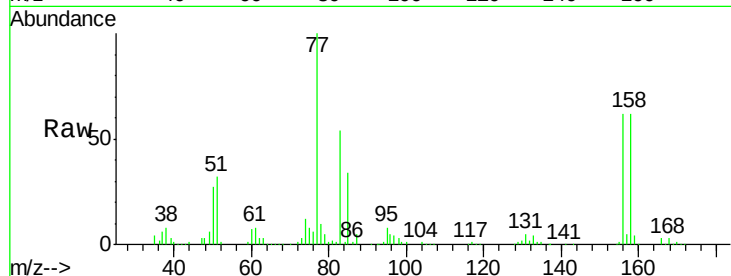
77 172.9 84.8 254.3

158 98.7 49.1 147.3

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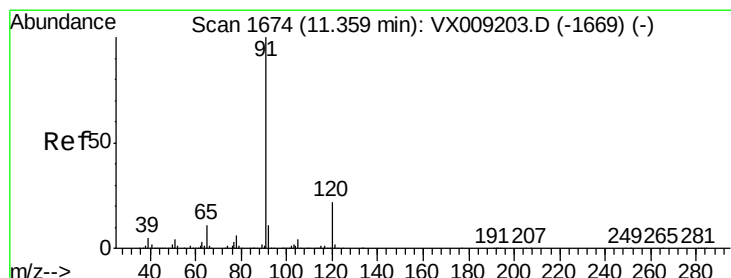
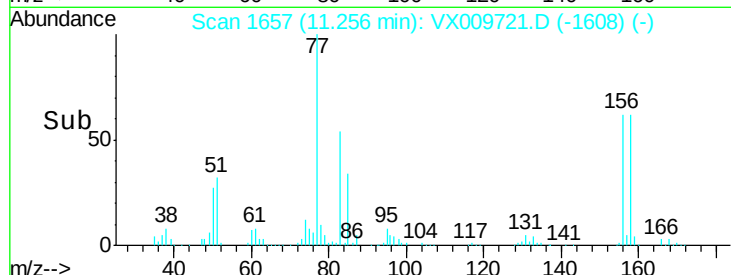
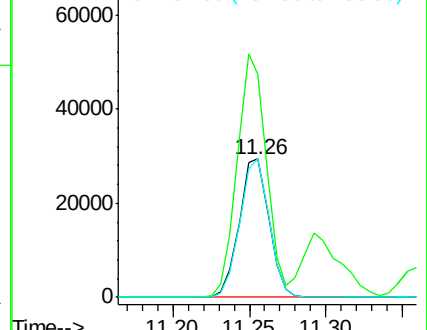
5/21/2019 9:13:29 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.306 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009721.D

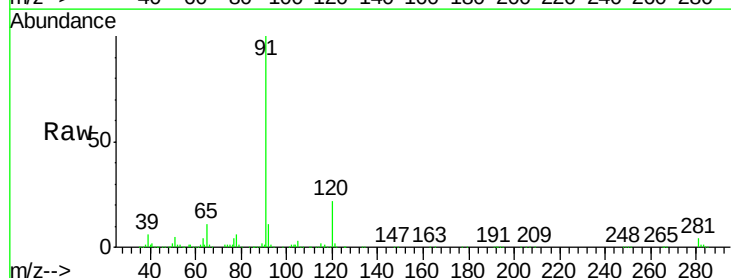
Acq: 20 May 2019 13:18

Tgt Ion: 91 Resp: 182792

Ion Ratio Lower Upper

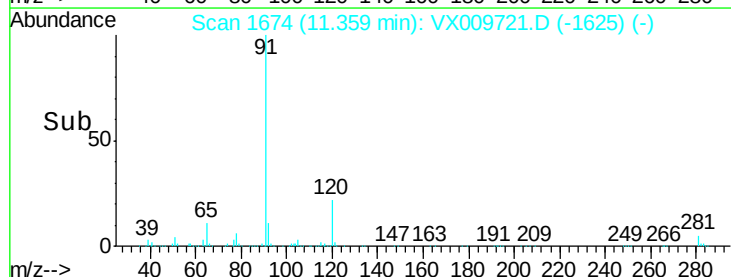
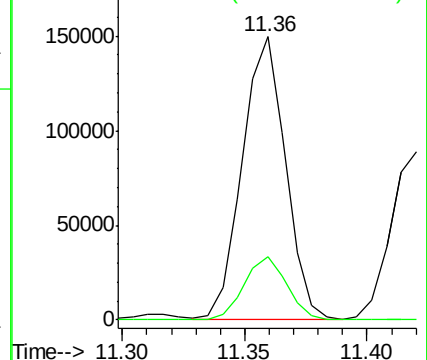
91 100

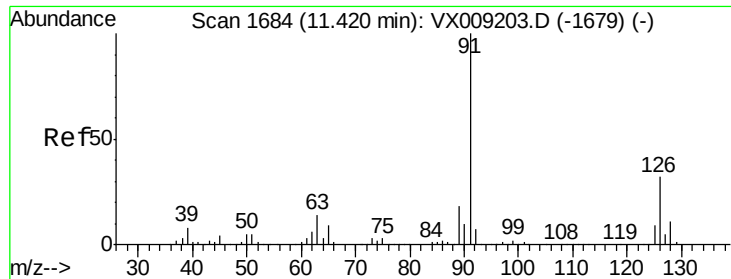
120 22.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





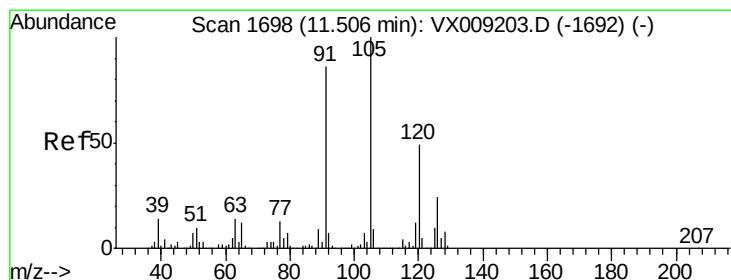
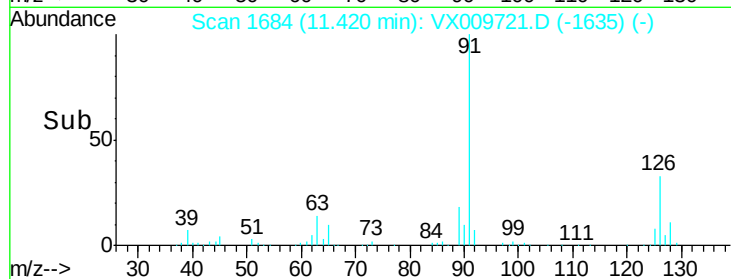
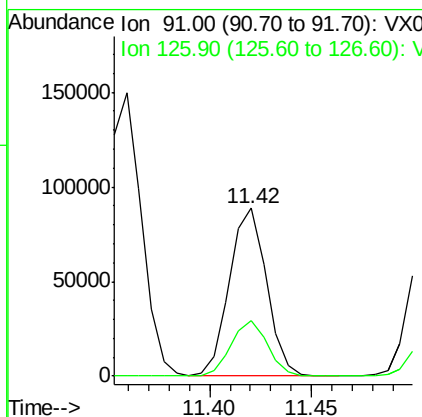
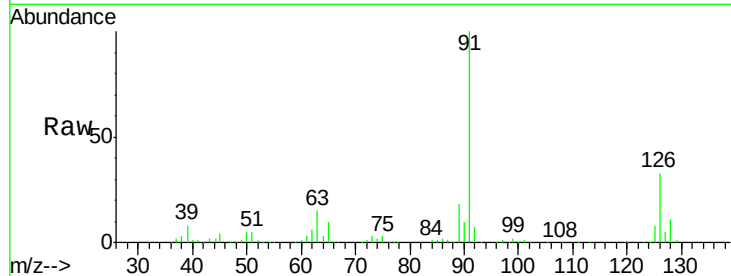
#79
 2-Chlorotoluene
 Concen: 19.991 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX009721.D
 Acq: 20 May 2019 13:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBS01

Tot Ion: 91 Resp: 111025
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.3 48.9

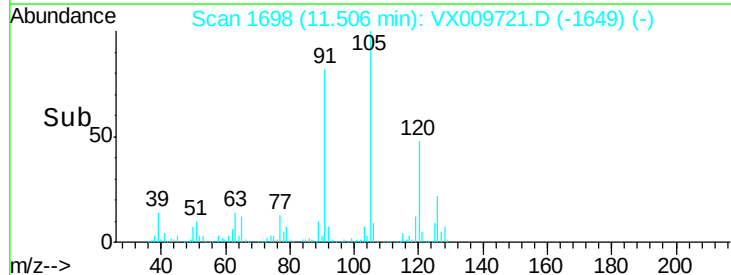
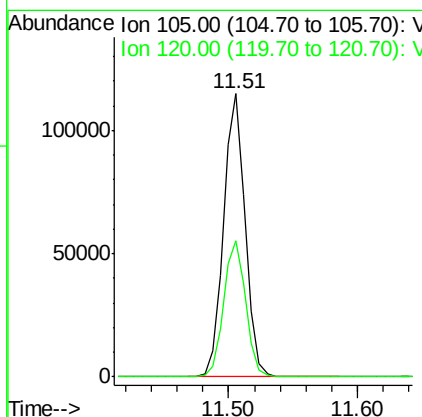
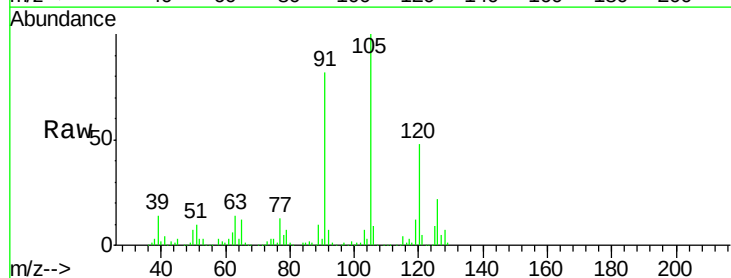
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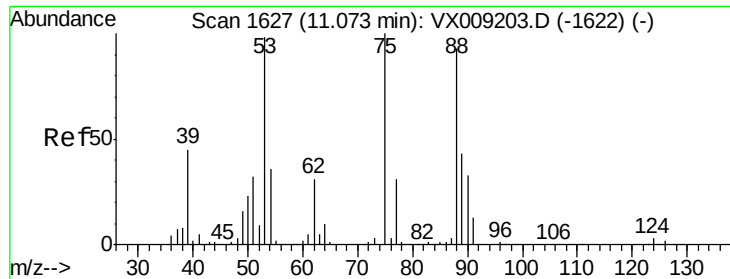
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.475 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009721.D
 Acq: 20 May 2019 13:18

Tgt Ion: 105 Resp: 135895
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.3 72.9





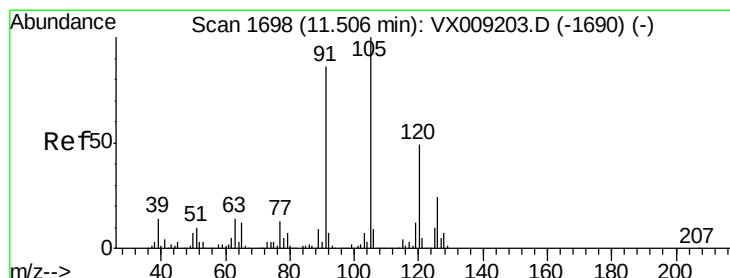
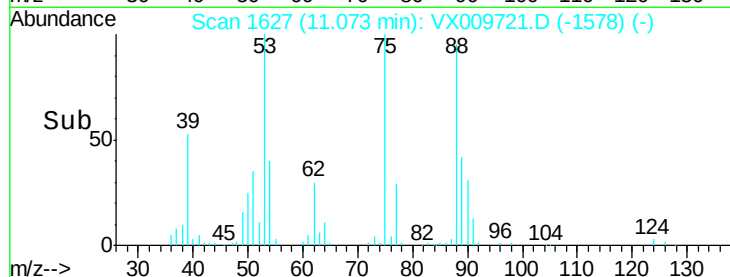
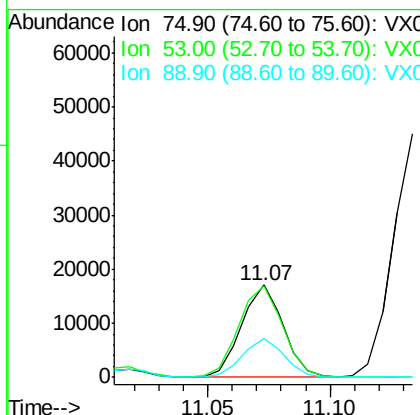
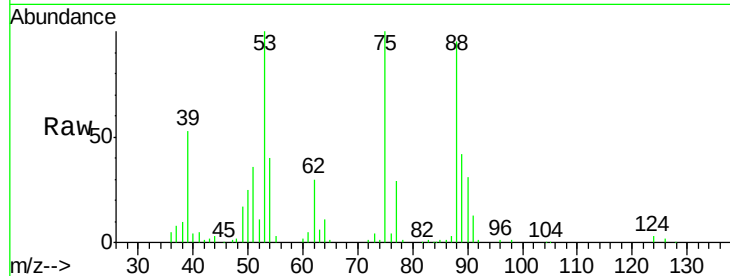
#81
trans-1,4-Dichloro-2-butene
Concen: 20.556 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.9	79.0	118.6
89	42.7	34.7	52.1

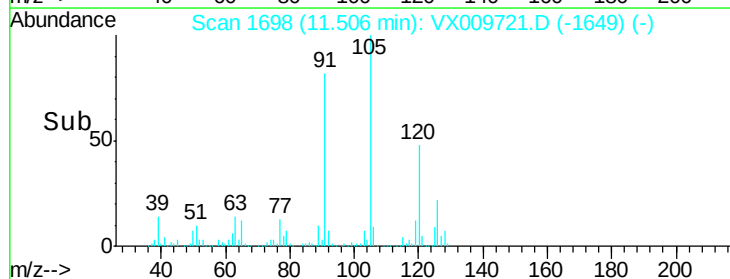
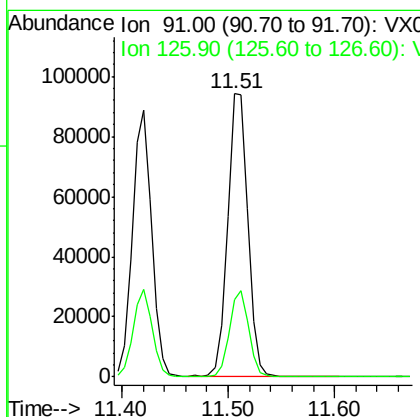
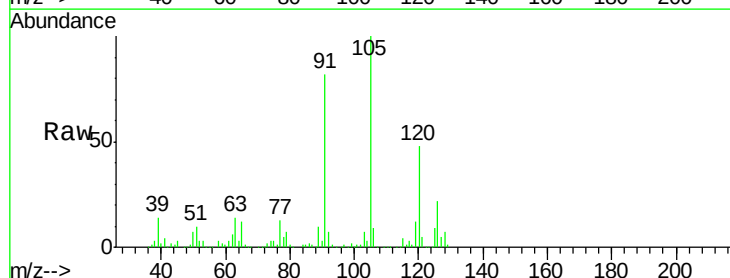
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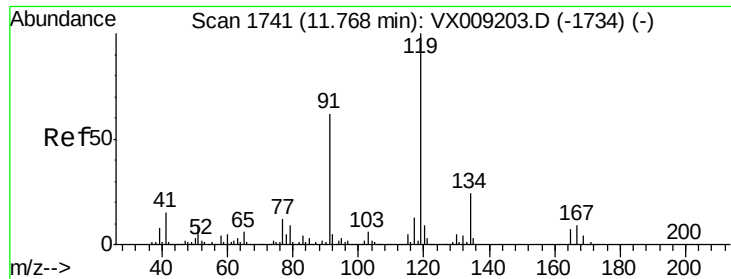
MMDadoda
5/21/2019 9:13:29 AM



#82
4-Chlorotoluene
Concen: 20.018 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.2	14.5	43.6





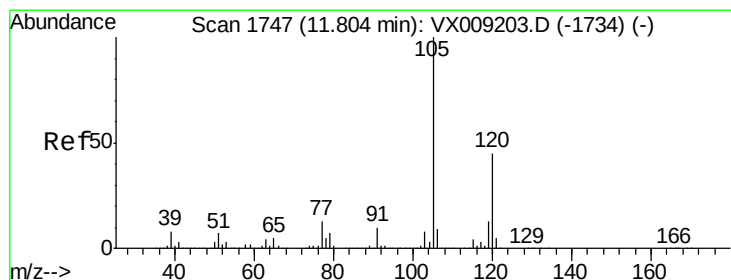
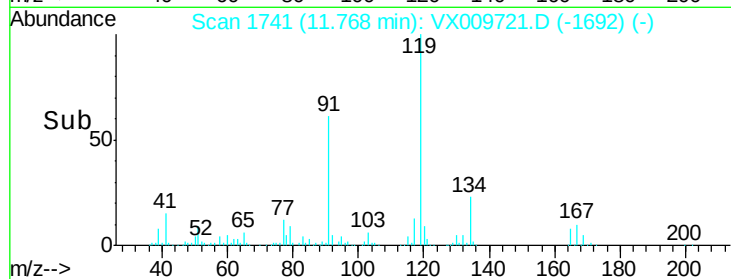
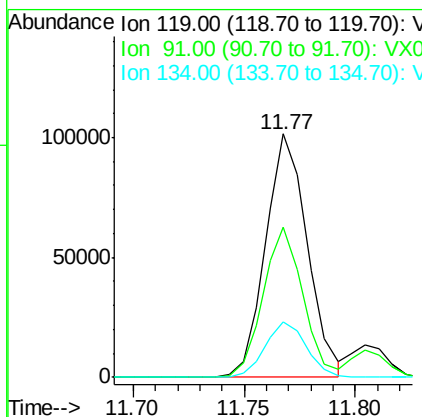
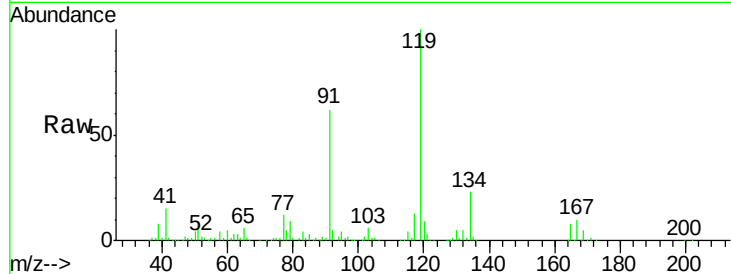
#83
 tert-Butylbenzene
 Concen: 20.460 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009721.D
 Acq: 20 May 2019 13:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	132096		
91	59.1	29.5	88.5	
134	22.6	11.4	34.1	

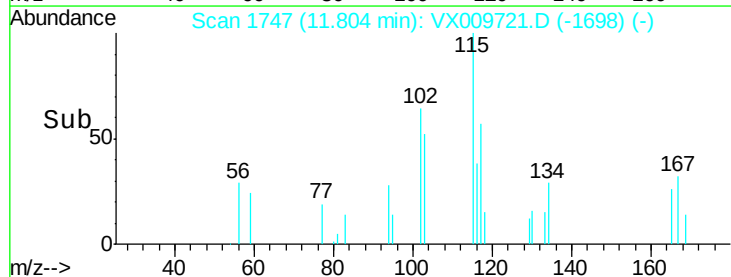
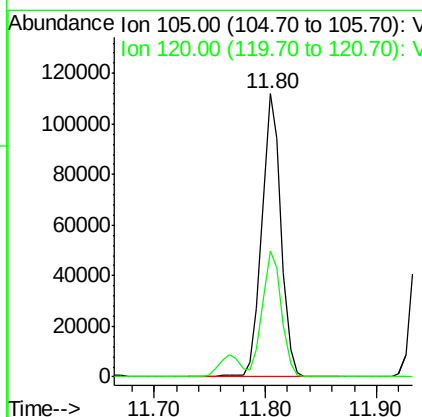
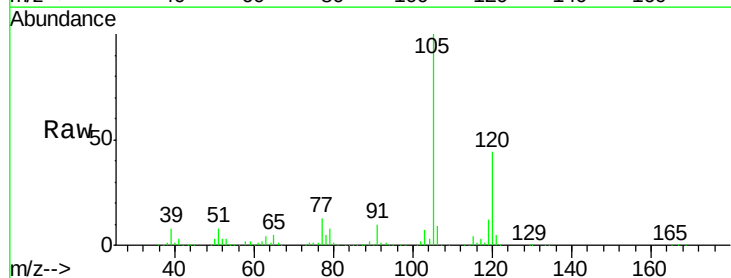
Manual Integrations
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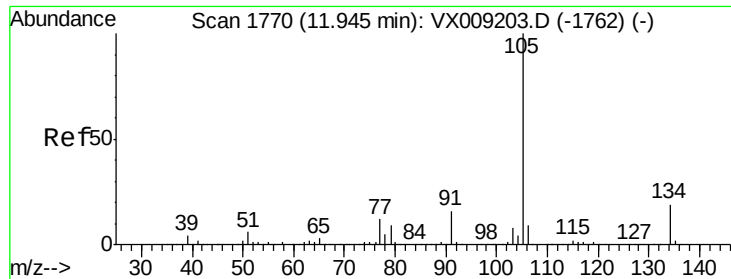
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.355 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009721.D
 Acq: 20 May 2019 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	135599		
120	44.0	22.0	66.0	





#85

sec-Butylbenzene

Concen: 20.115 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Instrument :

MSVOA_X

ClientSampled :

VX0520WBS01

Tot Ion:105 Resp: 153975

Ion Ratio Lower Upper

105 100

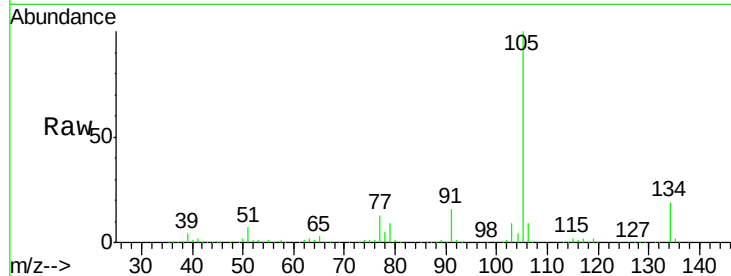
134 19.4 9.7 28.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

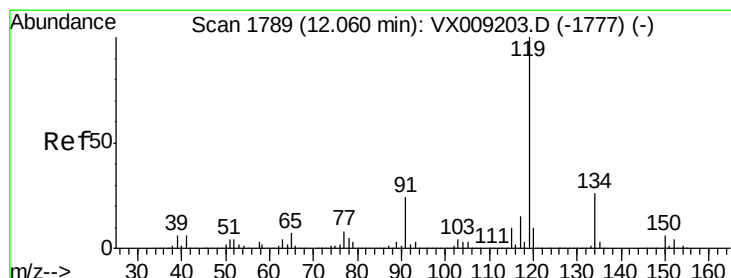
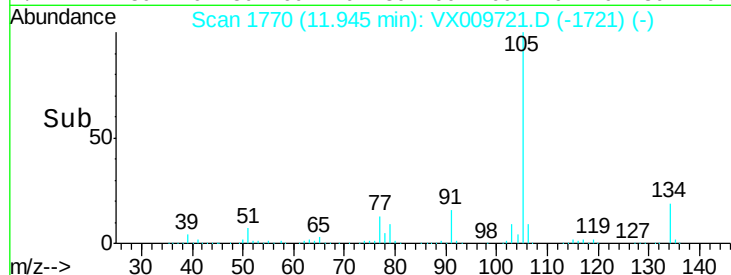
11.94

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.385 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

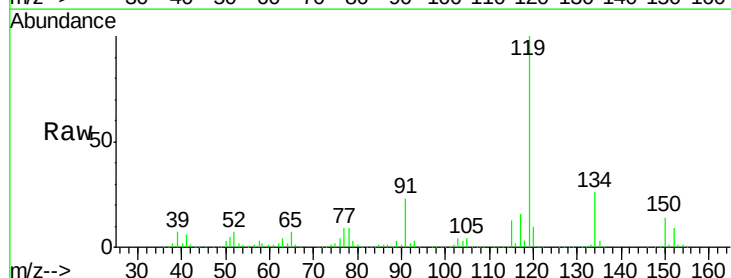
Tgt Ion:119 Resp: 140279

Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

91 23.9 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): V

150000

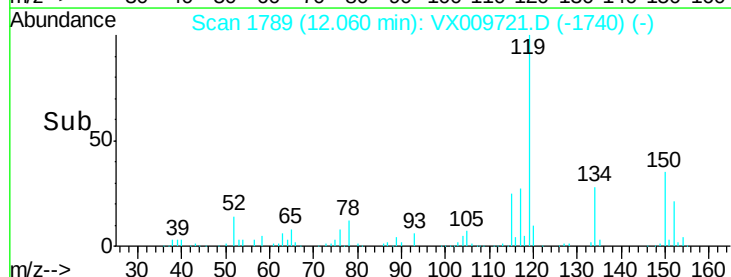
12.06

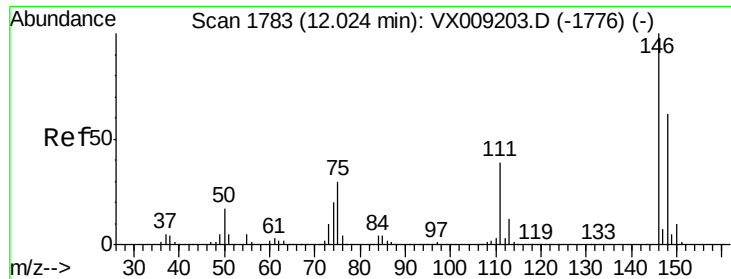
100000

50000

0

Time-->





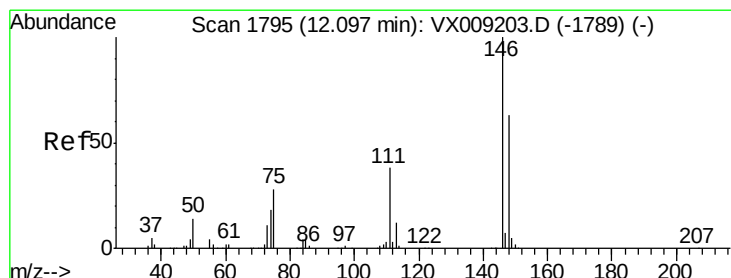
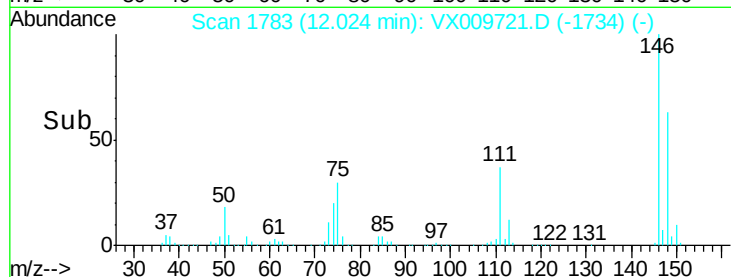
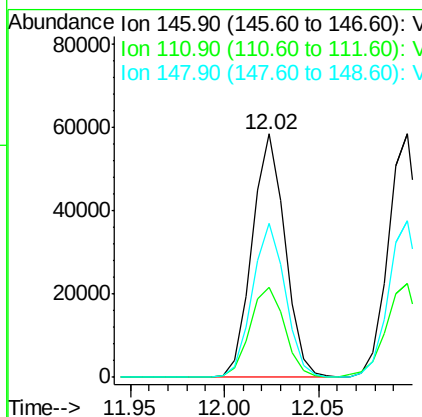
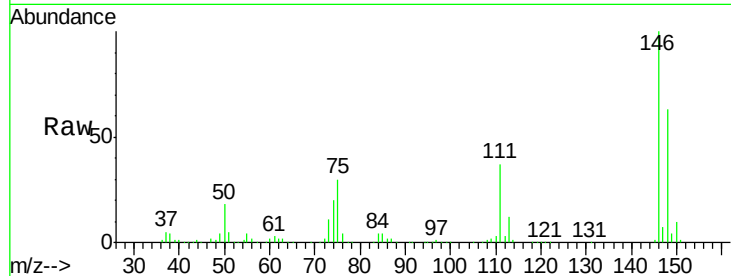
#87
 1,3-Dichlorobenzene
 Concen: 20.259 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009721.D
 Acq: 20 May 2019 13:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.0	59.9
148	63.3	31.8	95.3

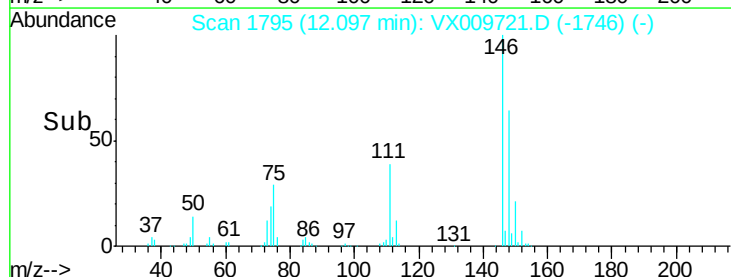
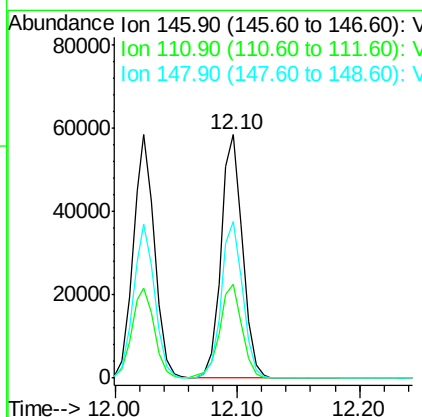
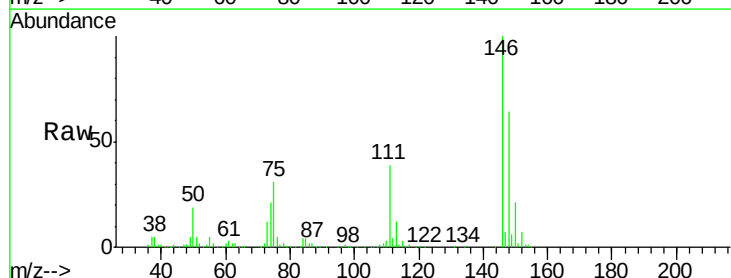
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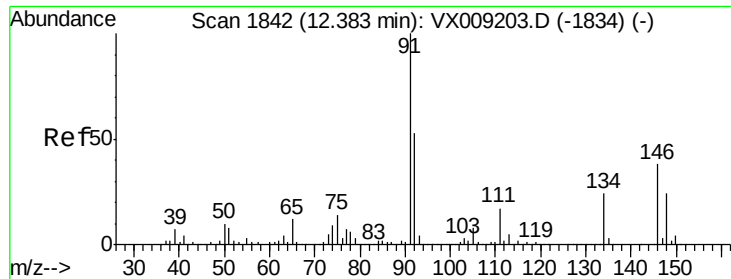
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#88
 1,4-Dichlorobenzene
 Concen: 20.136 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009721.D
 Acq: 20 May 2019 13:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.6	58.8
148	64.3	31.8	95.3





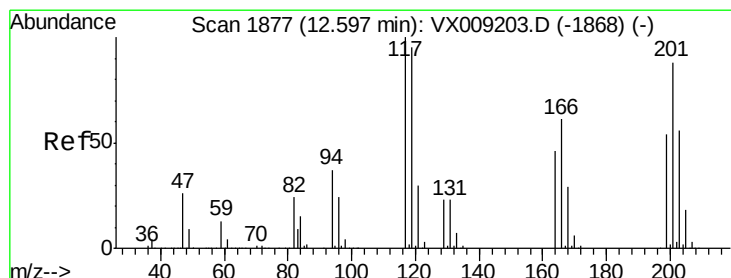
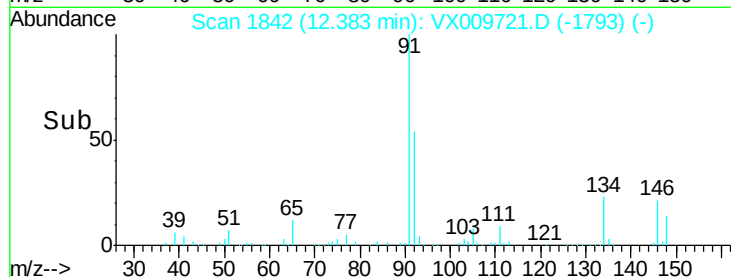
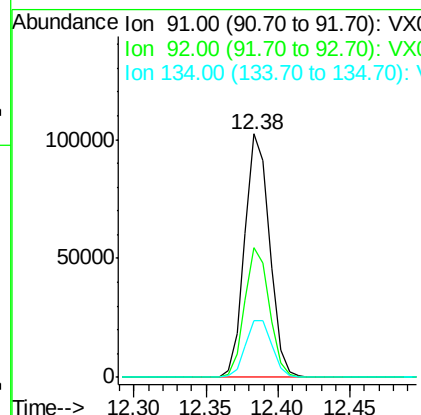
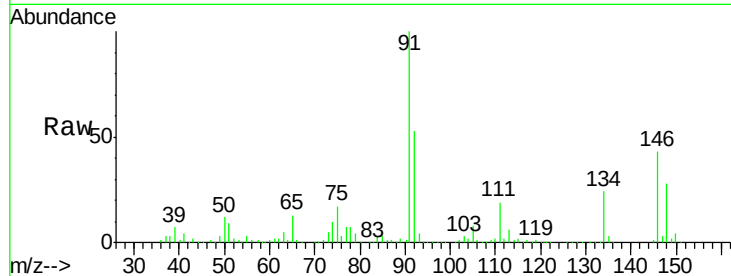
#89
n-Butylbenzene
Concen: 19.854 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.5	79.5
134	24.8	12.4	37.2

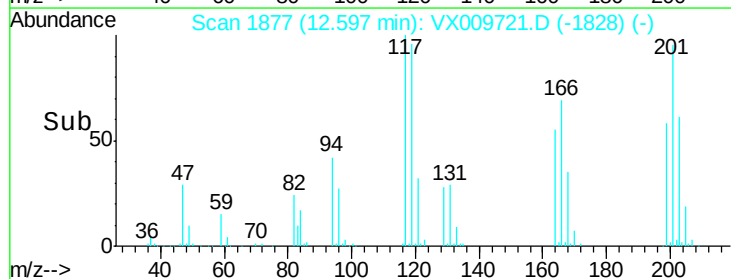
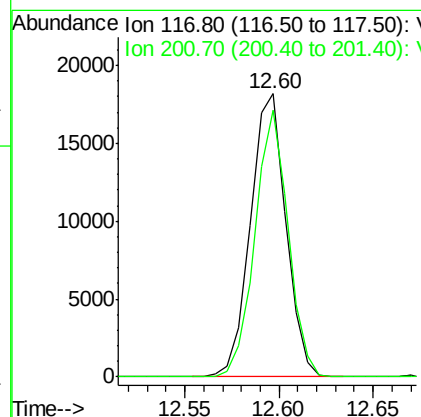
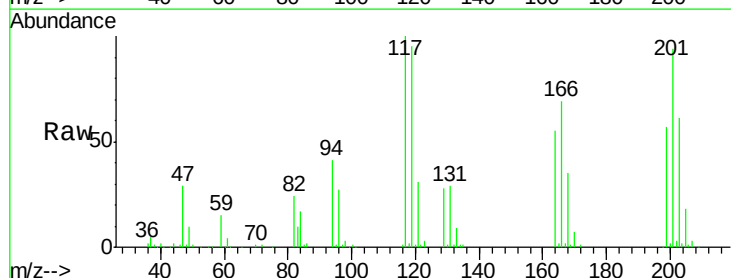
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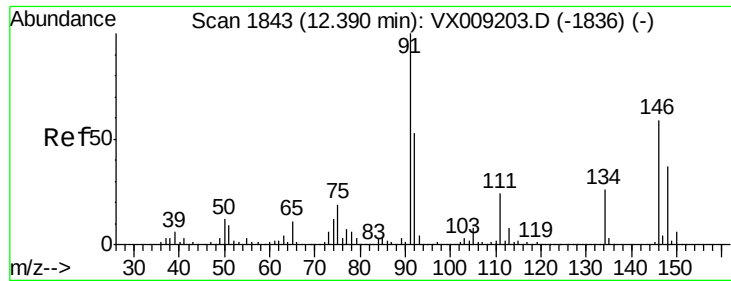
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#90
Hexachloroethane
Concen: 20.202 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009721.D
Acq: 20 May 2019 13:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.9	42.3	126.9





#91

1,2-Dichlorobenzene

Concen: 20.274 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Instrument :

MSVOA_X

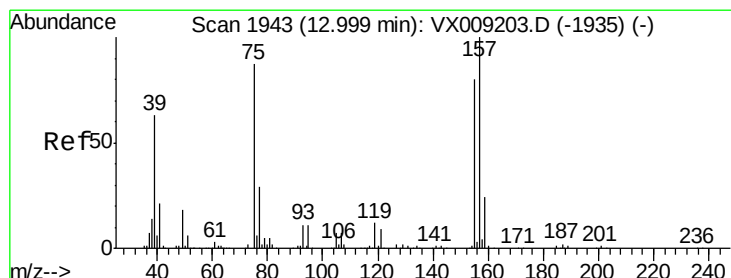
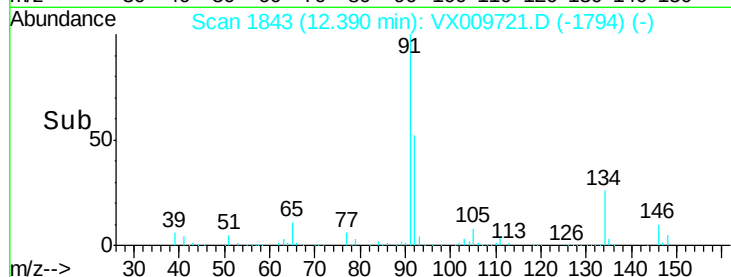
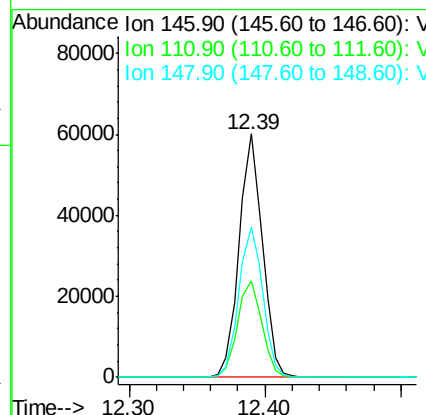
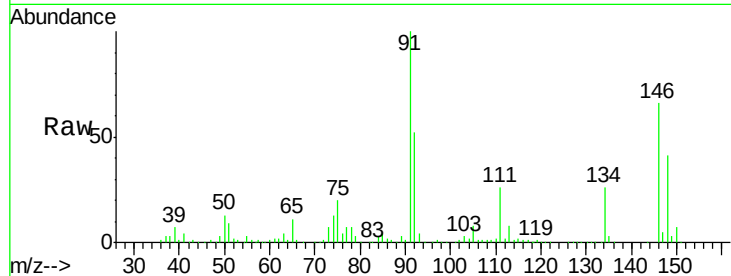
ClientSampleId :

VX0520WBS01

Tot Ion:	146	Resp:	72020
Ion Ratio	Lower	Upper	
146	100		
111	41.2	20.8	62.4
148	63.5	31.9	95.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.806 ug/l

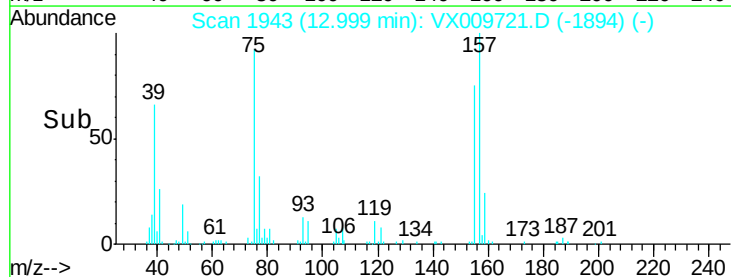
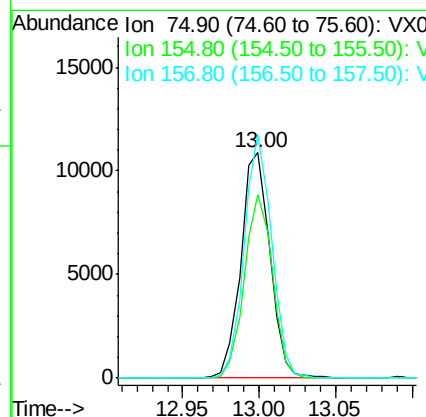
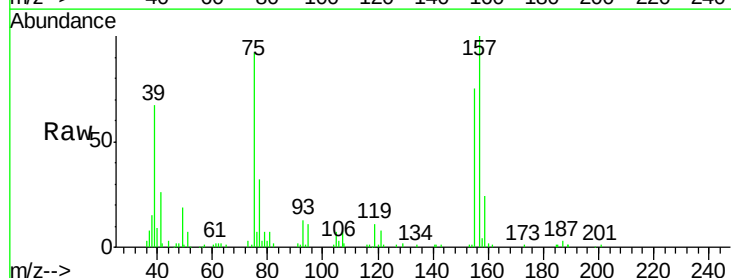
RT: 13.00 min Scan# 1943

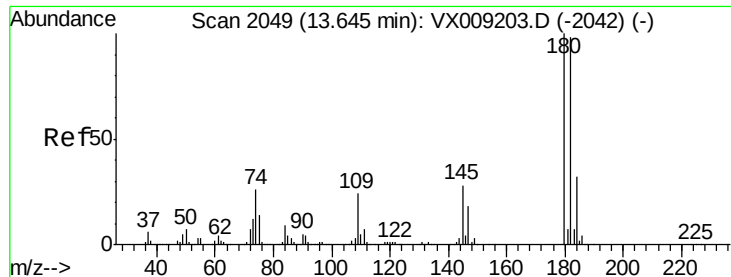
Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Tgt Ion:	75	Resp:	14374
Ion Ratio	Lower	Upper	
75	100		
155	78.0	42.0	126.0
157	101.8	53.2	159.6





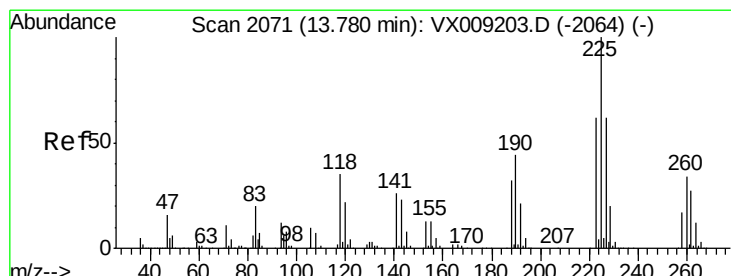
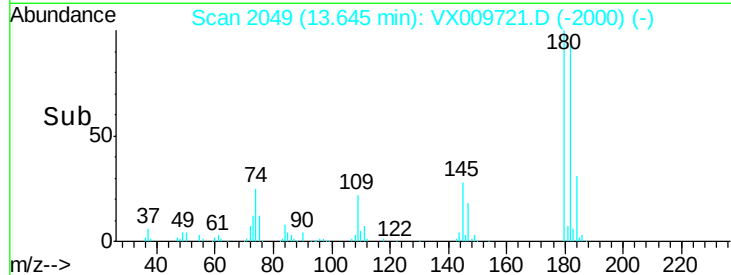
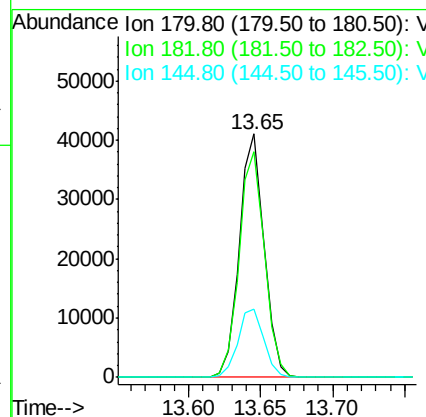
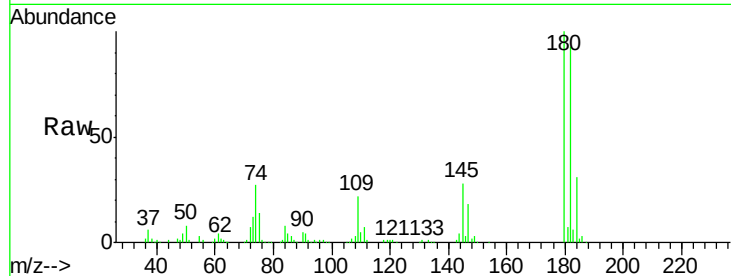
#93
 1,2,4-Trichlorobenzene
 Concen: 20.331 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009721.D
 Acq: 20 May 2019 13:18

Instrument :
 MSVOA_X
 ClientSampled :
 VX0520WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	49389		
182	94.9	48.4	145.2	
145	29.5	14.6	43.8	

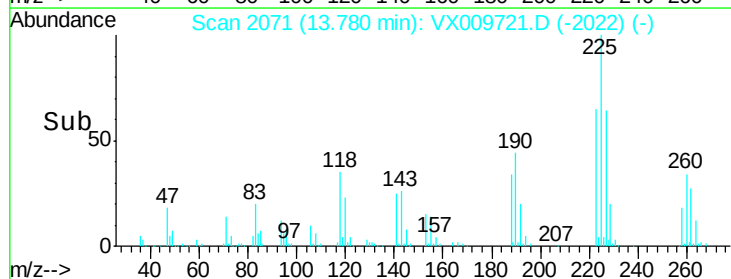
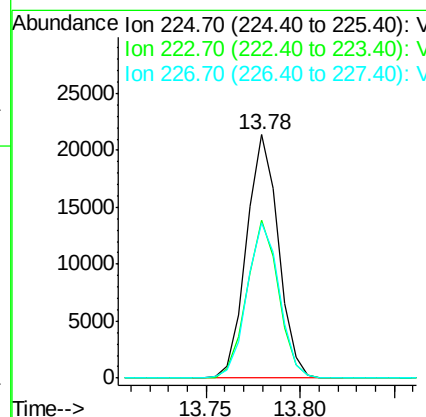
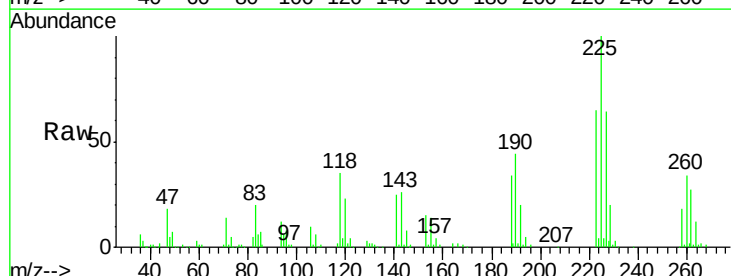
Manual Integrations
 APPROVED

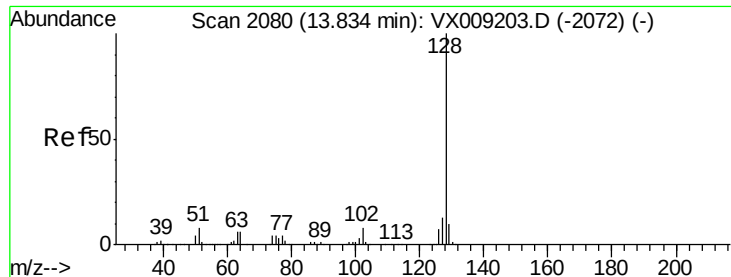
MMDadoda
 5/21/2019 9:13:29 AM



#94
 Hexachlorobutadiene
 Concen: 20.267 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009721.D
 Acq: 20 May 2019 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25142		
223	64.2	31.3	93.8	
227	64.3	31.8	95.3	





#95

Naphthalene

Concen: 20.419 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Instrument :

MSVOA_X

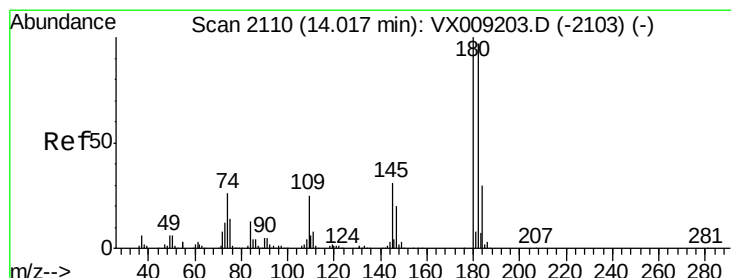
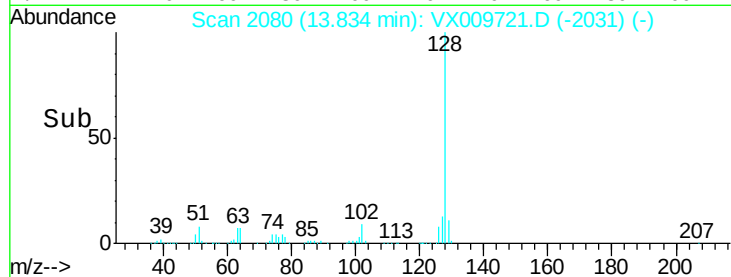
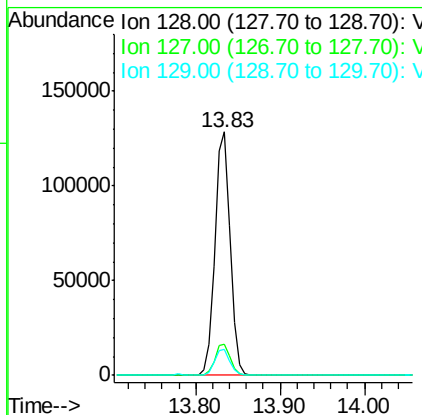
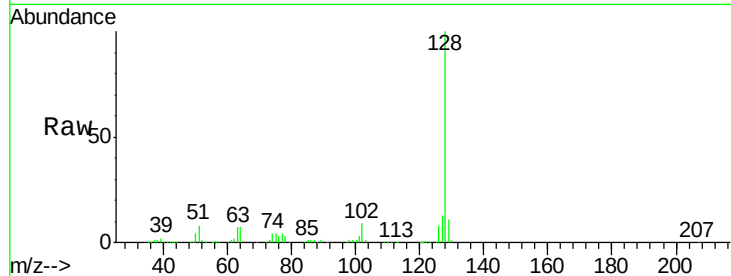
ClientSampleId :

VX0520WBS01

Tot Ion:	128	Resp:	161375
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/21/2019 9:13:29 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.451 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009721.D

Acq: 20 May 2019 13:18

Tgt Ion:	180	Resp:	50360
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.8	143.4
145	31.8	15.4	46.4

