

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100219\
 Data File : VX012760.D
 Acq On : 02 Oct 2019 14:52
 Operator : JC/SP
 Sample : VX1002WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1002WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 10:50:40 AM

Quant Time: Oct 03 03:39:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	173311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	302810	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	269111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	121765	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	119523	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	
35) Dibromofluoromethane	5.49	113	93059	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
50) Toluene-d8	8.71	98	342360	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.14	95	126172	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	31691	16.254	ug/l	99
3) Chloromethane	1.32	50	36828	16.450	ug/l	99
4) Vinyl Chloride	1.40	62	37877	17.021	ug/l	97
5) Bromomethane	1.63	94	16817	19.221	ug/l	95
6) Chloroethane	1.72	64	24083	16.054	ug/l	93
7) Trichlorofluoromethane	1.92	101	56022	17.931	ug/l	97
8) Diethyl Ether	2.18	74	21893	17.099	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	35201	18.498	ug/l	97
10) Methyl Iodide	2.50	142	28886	17.934	ug/l	96
11) Tert butyl alcohol	3.03	59	55287	87.695	ug/l	100
12) 1,1-Dichloroethene	2.36	96	33835	18.158	ug/l	98
13) Acrolein	2.28	56	22281	71.079	ug/l	95
14) Allyl chloride	2.72	41	64364	17.410	ug/l	97
15) Acrylonitrile	3.13	53	118315	92.503	ug/l	99
16) Acetone	2.44	43	114516	85.666	ug/l	95
17) Carbon Disulfide	2.56	76	80769	15.461	ug/l	97
18) Methyl Acetate	2.76	43	57552	18.284	ug/l	95
19) Methyl tert-butyl Ether	3.19	73	130350	18.481	ug/l	98
20) Methylene Chloride	2.84	84	41602	18.400	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	36995	17.921	ug/l	99
22) Diisopropyl ether	3.84	45	130593	18.281	ug/l	95
23) Vinyl Acetate	3.80	43	563713	89.984	ug/l	97
24) 1,1-Dichloroethane	3.69	63	71553	18.427	ug/l	98
25) 2-Butanone	4.66	43	170331	88.865	ug/l	93
26) 2,2-Dichloropropane	4.58	77	59799	17.315	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	44110	18.415	ug/l	95
28) Bromochloromethane	5.00	49	25320	17.958	ug/l	98
29) Tetrahydrofuran	5.12	42	108119	92.547	ug/l	96
30) Chloroform	5.20	83	73226	18.432	ug/l	100
31) Cyclohexane	5.57	56	63025	17.941	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	63673	18.084	ug/l	99
36) 1,1-Dichloropropene	5.79	75	53268	18.250	ug/l	99
37) Ethyl Acetate	4.83	43	59655	17.482	ug/l	95
38) Carbon Tetrachloride	5.77	117	53696	18.110	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	62341	17.742	ug/l	97
40) Benzene	6.14	78	161659	18.824	ug/l	97
41) Methacrylonitrile	5.03	41	34470	18.004	ug/l	94
42) 1,2-Dichloroethane	6.18	62	60688	18.609	ug/l	98
43) Isopropyl Acetate	6.43	43	101325	17.756	ug/l	97
44) Trichloroethene	7.21	130	41914	19.091	ug/l	95
45) 1,2-Dichloropropane	7.51	63	41597	18.919	ug/l	97
46) Dibromomethane	7.65	93	27565	18.414	ug/l	97
47) Bromodichloromethane	7.89	83	53645	17.930	ug/l	99
48) Methyl methacrylate	7.76	41	47978	17.534	ug/l	93
49) 1,4-Dioxane	7.73	88	22593	364.035	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	323210	91.755	ug/l	96
52) Toluene	8.78	92	100880	18.690	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	58124	17.559	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	63641	17.608	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	42254	19.691	ug/l	96
56) Ethyl methacrylate	9.17	69	64943	18.014	ug/l	91
57) 1,3-Dichloropropane	9.37	76	70935	18.887	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	145351	89.820	ug/l	99
59) 2-Hexanone	9.49	43	246099	91.274	ug/l	96
60) Dibromochloromethane	9.58	129	39862	18.350	ug/l	100
61) 1,2-Dibromoethane	9.67	107	42946	19.230	ug/l	100
64) Tetrachloroethene	9.33	164	37688	20.086	ug/l	95
65) Chlorobenzene	10.14	112	104833	18.499	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	38278	18.643	ug/l	98
67) Ethyl Benzene	10.25	91	189379	18.425	ug/l	98
68) m/p-Xylenes	10.35	106	143565	37.287	ug/l	98
69) o-Xylene	10.70	106	69155	18.562	ug/l	99
70) Styrene	10.71	104	117960	18.887	ug/l	98
71) Bromoform	10.85	173	25207	17.631	ug/l #	100
73) Isopropylbenzene	11.01	105	185123	18.667	ug/l	99
74) N-amyl acetate	10.89	43	80881	17.095	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.26	83	63009	19.184	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	59273m	18.402	ug/l	
77) Bromobenzene	11.25	156	43313	19.297	ug/l	97
78) n-propylbenzene	11.35	91	204370	18.304	ug/l	99
79) 2-Chlorotoluene	11.42	91	126416	18.150	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	158073	19.007	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	16945	15.076	ug/l	94
82) 4-Chlorotoluene	11.51	91	145394	18.312	ug/l	99
83) tert-Butylbenzene	11.76	119	150643	18.778	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	157034	18.718	ug/l	100
85) sec-Butylbenzene	11.94	105	177472	19.020	ug/l	99
86) p-Isopropyltoluene	12.06	119	156448	18.582	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	74638	18.478	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	76291	18.691	ug/l	98
89) n-Butylbenzene	12.39	91	130683	17.614	ug/l	100
90) Hexachloroethane	12.59	117	26491	17.649	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	76997	19.040	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13709	16.686	ug/l	97

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ClientSampleId :
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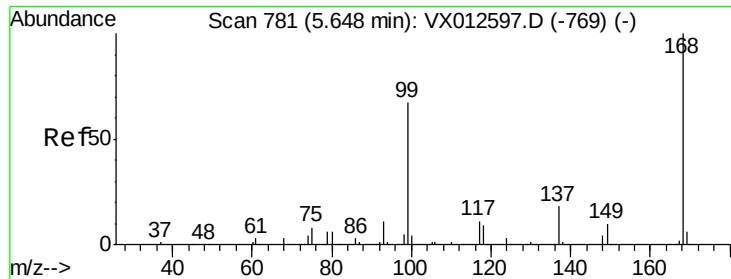
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	44013	17.846	ug/l	98
94) Hexachlorobutadiene	13.78	225	20447	19.272	ug/l	98
95) Naphthalene	13.83	128	169950	19.046	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	47510	19.231	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBSD01

Tot Ion:168 Resp: 173311

Ion Ratio Lower Upper

168 100

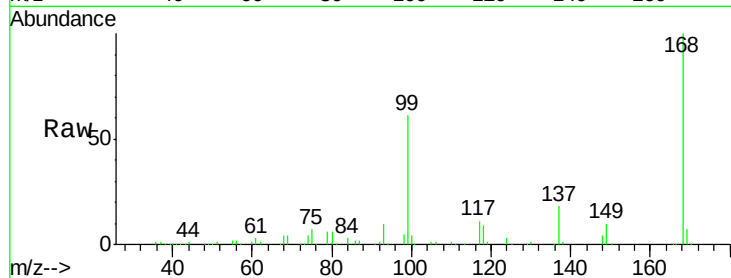
99 61.0 51.4 77.2

Manual Integrations

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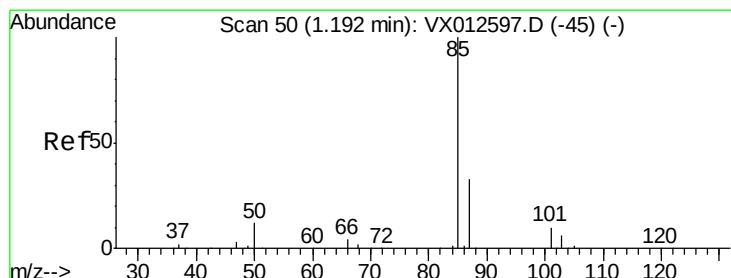
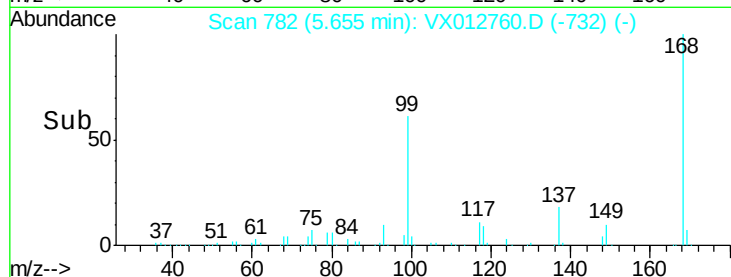
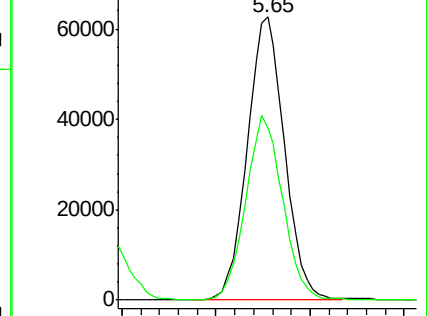
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 16.254 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX012760.D

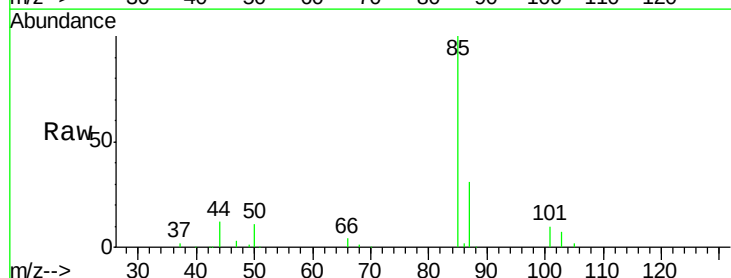
Acq: 02 Oct 2019 14:52

Tgt Ion: 85 Resp: 31691

Ion Ratio Lower Upper

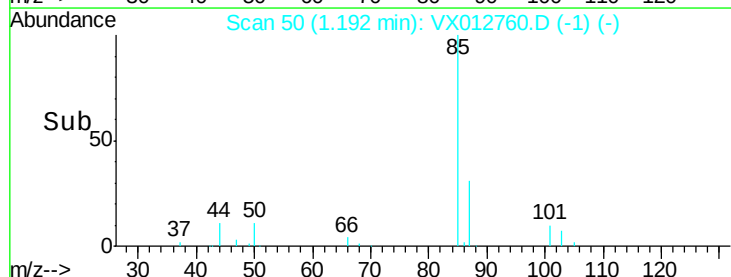
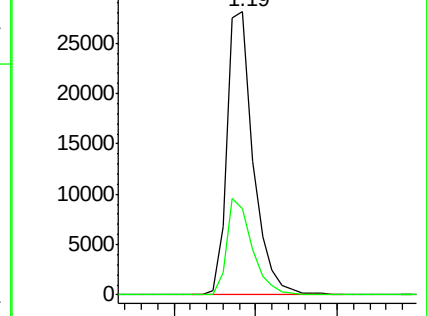
85 100

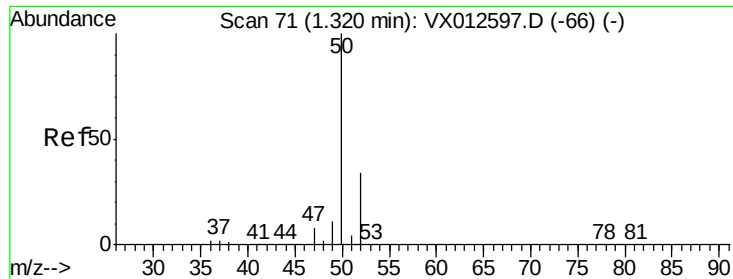
87 30.6 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 16.450 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBSD01

Tot Ion: 50 Resp: 36828

Ion Ratio Lower Upper

50 100

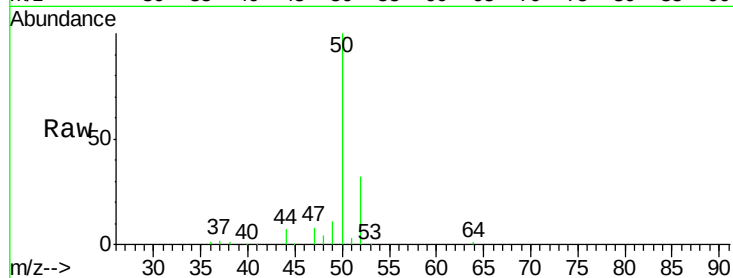
52 32.4 25.7 38.5

Manual Integrations

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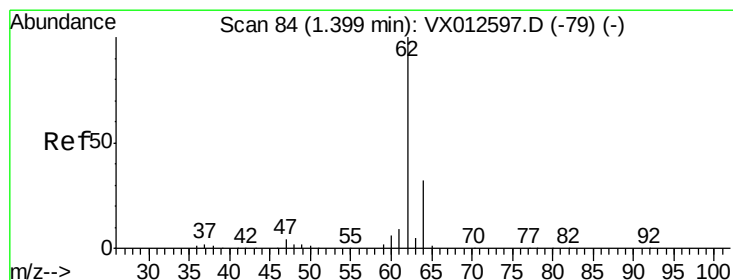
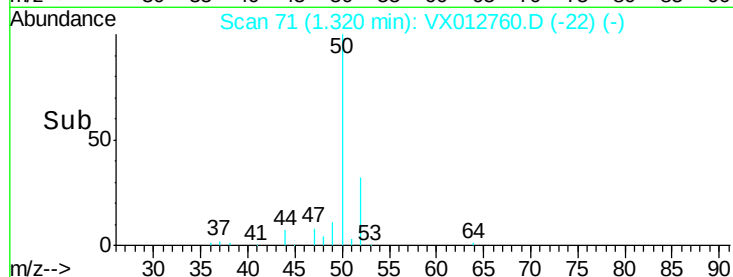
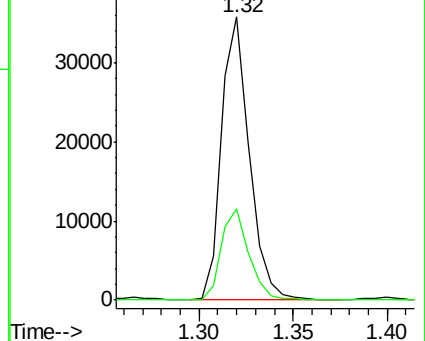
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.021 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012760.D

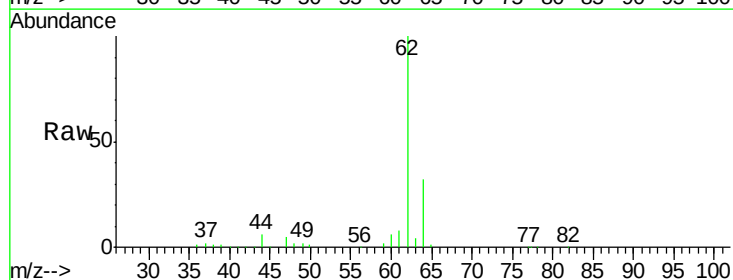
Acq: 02 Oct 2019 14:52

Tgt Ion: 62 Resp: 37877

Ion Ratio Lower Upper

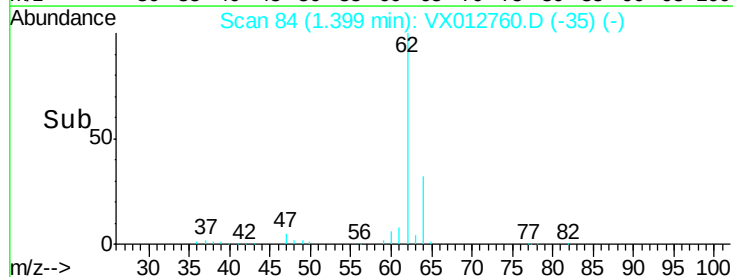
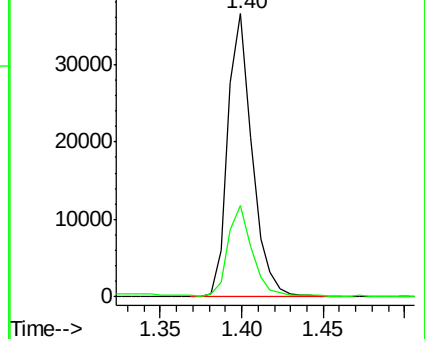
62 100

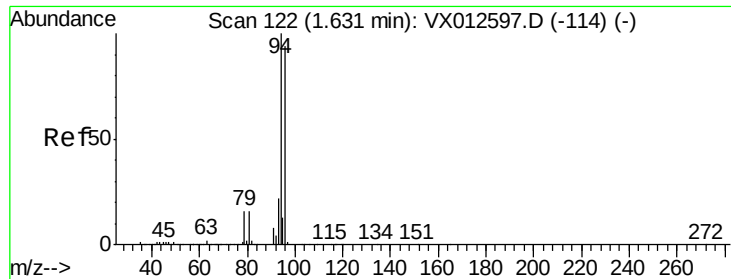
64 31.9 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.221 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Instrument :

MSVOA_X

ClientSampled :

VX1002WBSD01

Tot Ion: 94 Resp: 16817

Ion Ratio Lower Upper

94 100

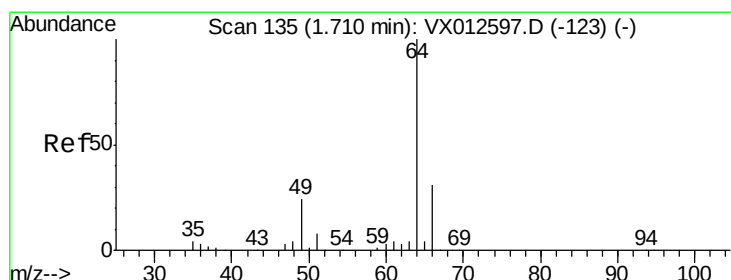
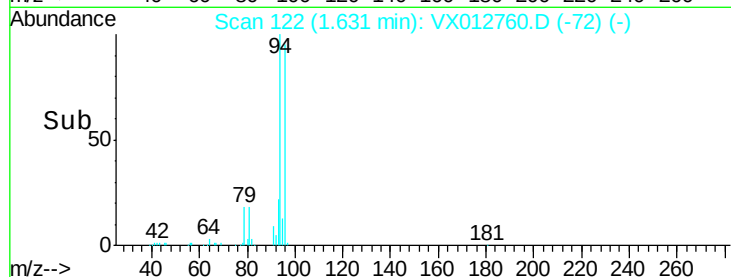
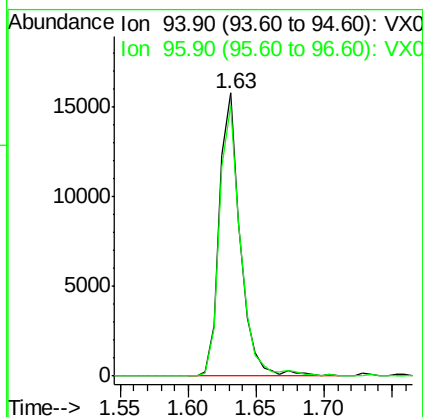
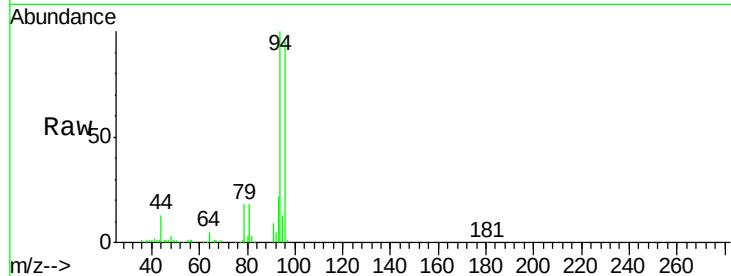
96 95.4 72.8 109.2

Manual Integrations

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#6

Chloroethane

Concen: 16.054 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012760.D

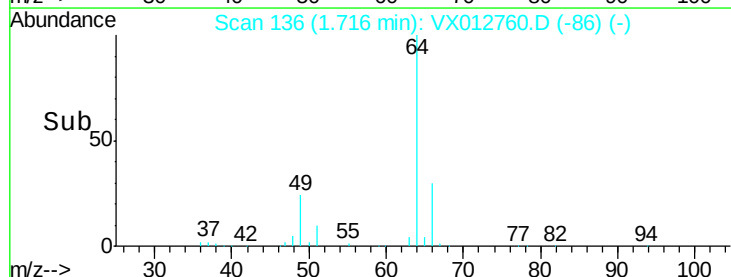
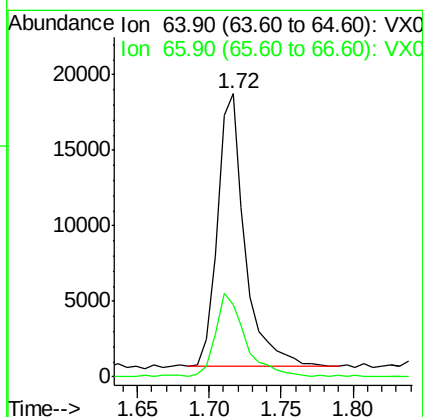
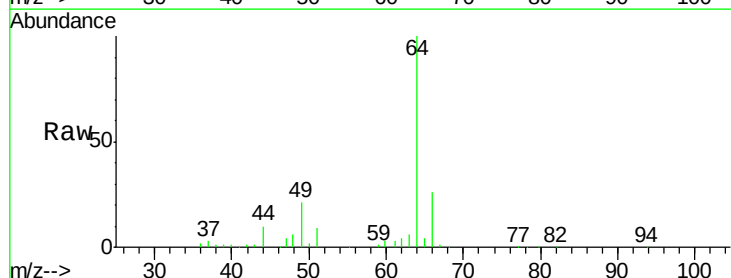
Acq: 02 Oct 2019 14:52

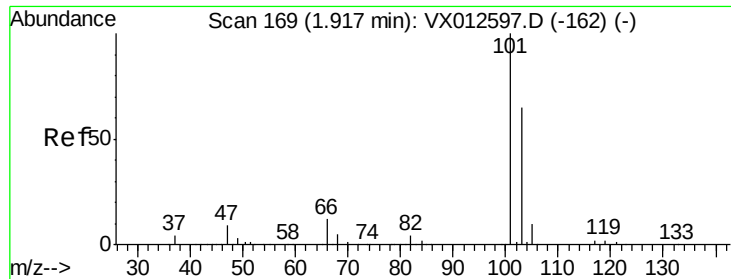
Tgt Ion: 64 Resp: 24083

Ion Ratio Lower Upper

64 100

66 26.2 24.0 36.0





#7

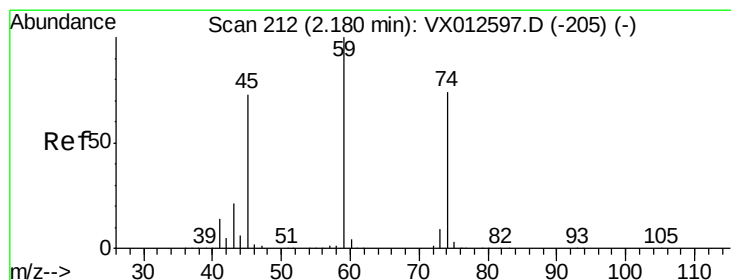
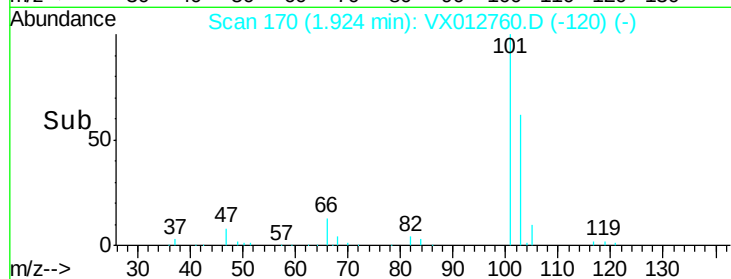
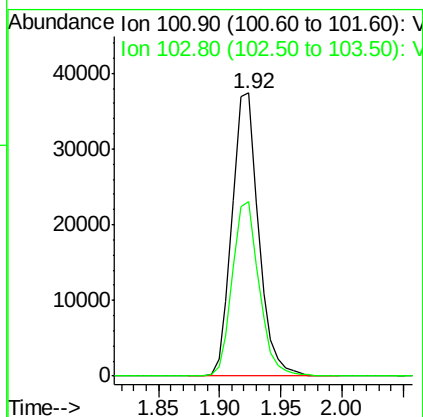
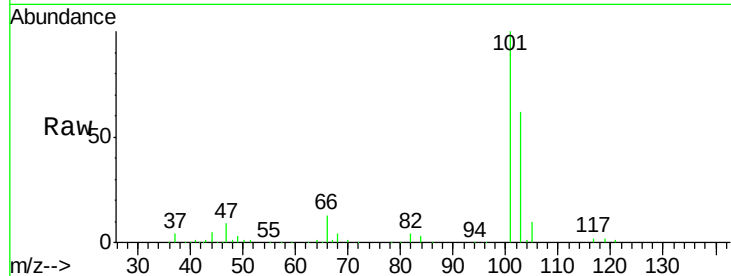
Trichlorofluoromethane
 Concen: 17.931 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX012760.D
 Acq: 02 Oct 2019 14:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1002WBSD01

Tot Ion:101 Resp: 56022
 Ion Ratio Lower Upper
 101 100
 103 61.7 51.0 76.4

Manual Integrations
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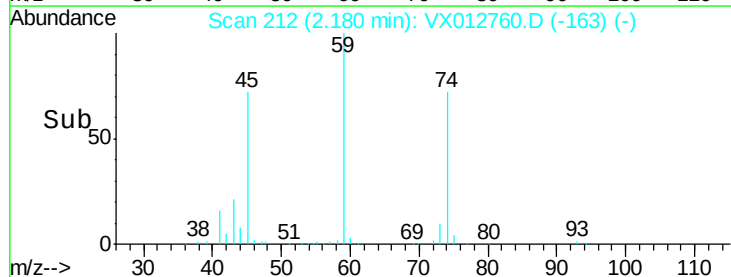
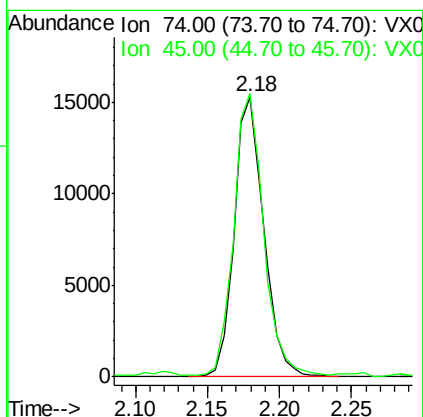
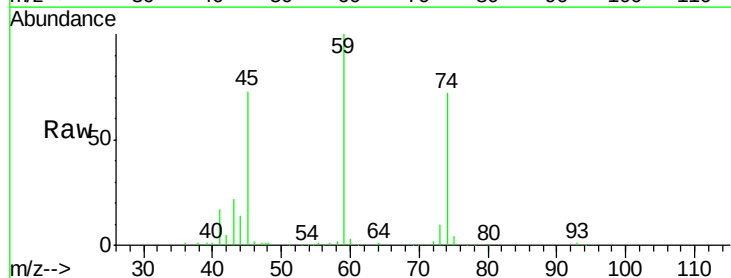
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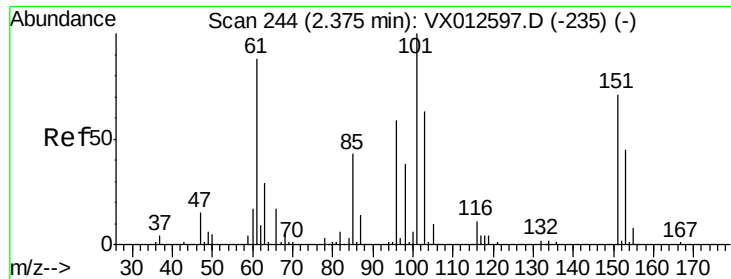


#8

Diethyl Ether
 Concen: 17.099 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012760.D
 Acq: 02 Oct 2019 14:52

Tgt Ion: 74 Resp: 21893
 Ion Ratio Lower Upper
 74 100
 45 100.0 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.498 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Instrument :

MSVOA_X

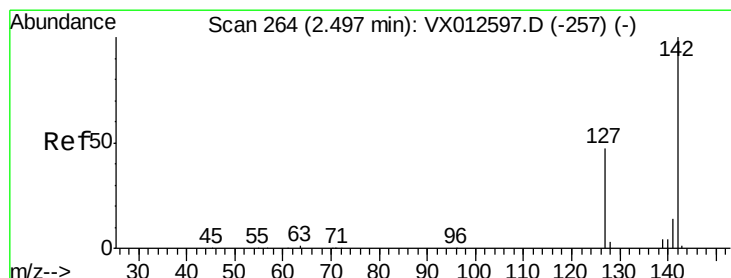
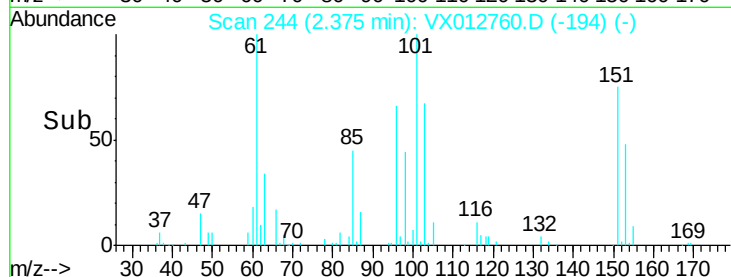
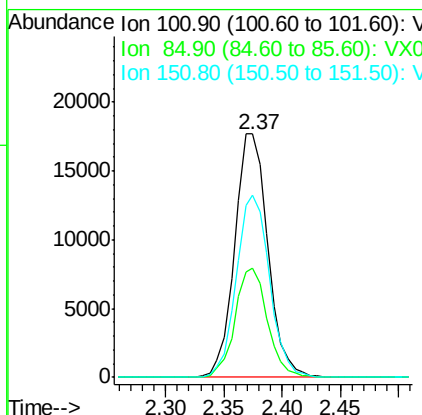
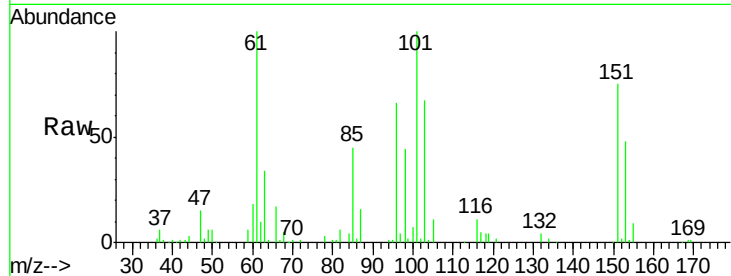
ClientSampleId :

VX1002WBSD01

Tot Ion:	101	Resp:	35201
Ion Ratio	Lower	Upper	
101	100		
85	43.7	37.3	55.9
151	74.6	61.0	91.4

Manual Integrations
APPROVED

MMDadoda
10/3/2019 10:50:40 AM



#10

Methyl Iodide

Concen: 17.934 ug/l

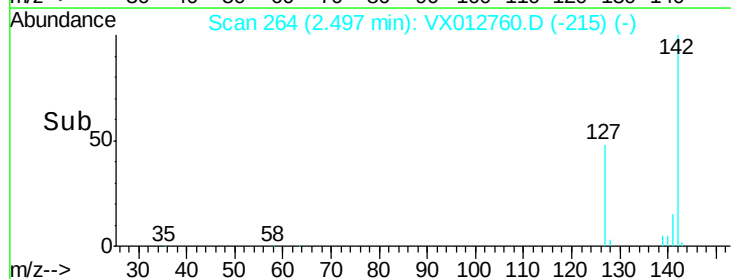
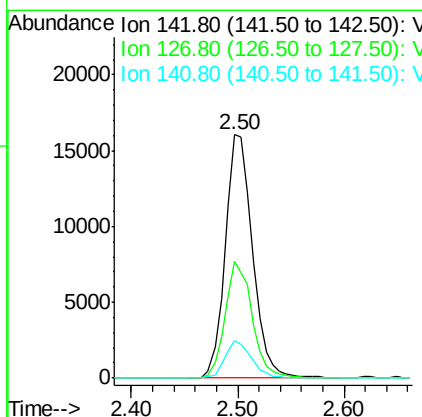
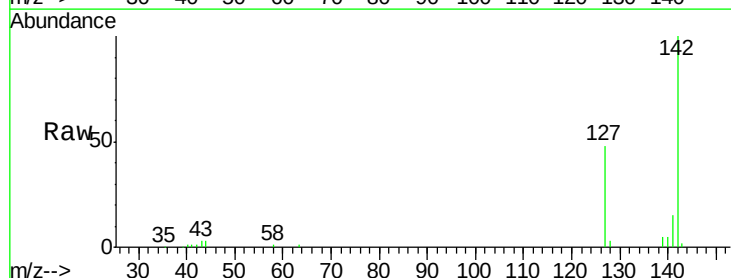
RT: 2.50 min Scan# 264

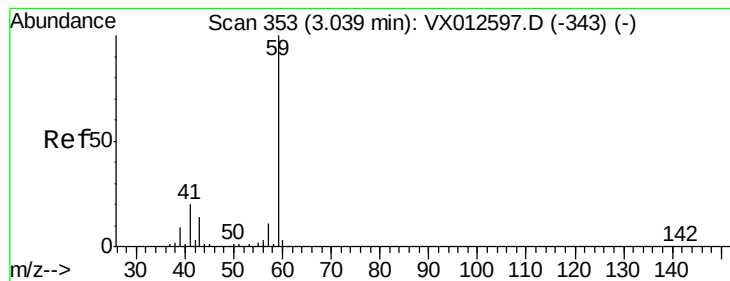
Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Tgt Ion:	142	Resp:	28886
Ion Ratio	Lower	Upper	
142	100		
127	47.3	40.8	61.2
141	14.9	12.1	18.1





#11

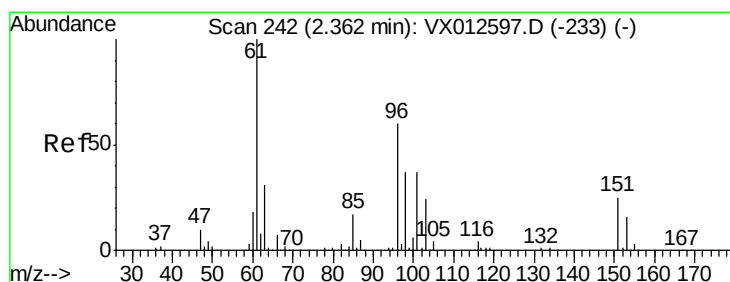
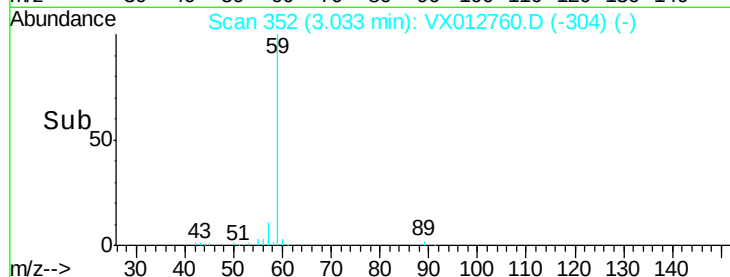
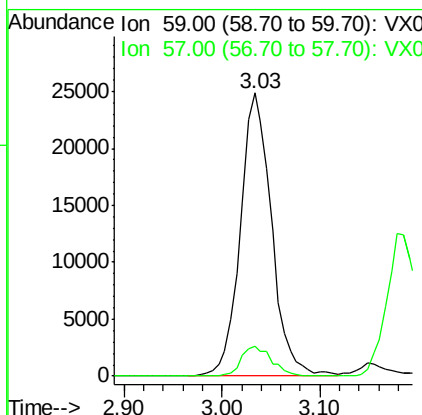
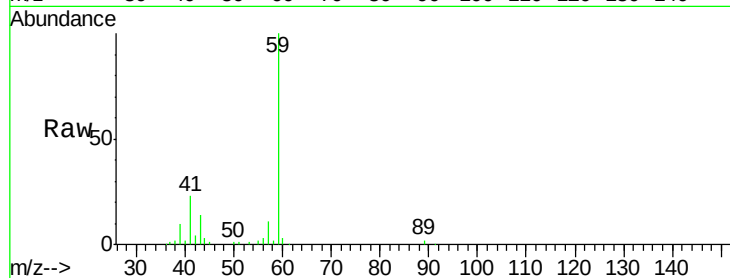
Tert butyl alcohol
Concen: 87.695 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5

Manual Integrations
APPROVED

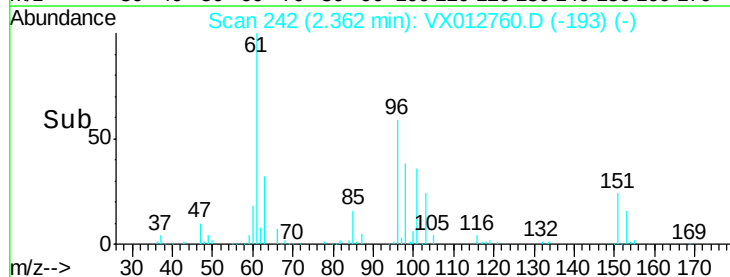
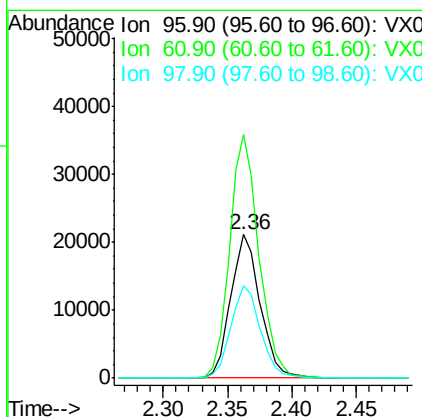
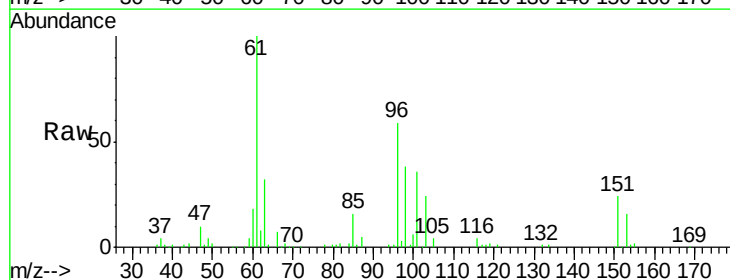
MMDadoda
10/3/2019 10:50:40 AM

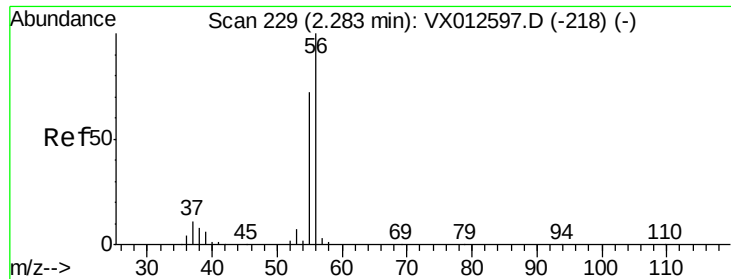


#12

1,1-Dichloroethene
Concen: 18.158 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.7	133.8	200.6
98	64.4	49.9	74.9





#13

Acrolein

Concen: 71.079 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBSD01

Tot Ion: 56 Resp: 22281

Ion Ratio Lower Upper

56 100

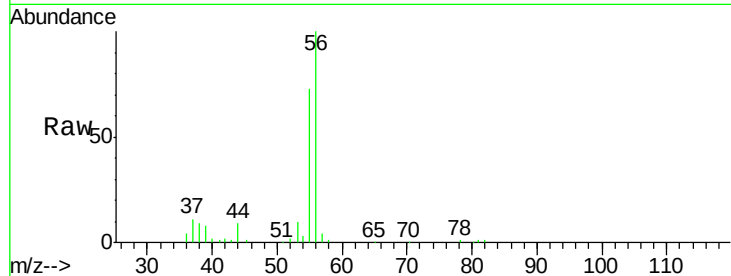
55 73.8 55.8 83.8

Manual Integrations

APPROVED

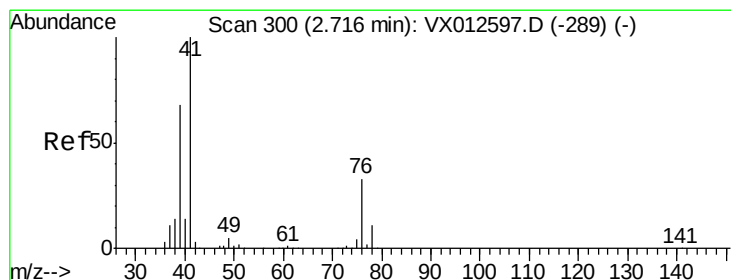
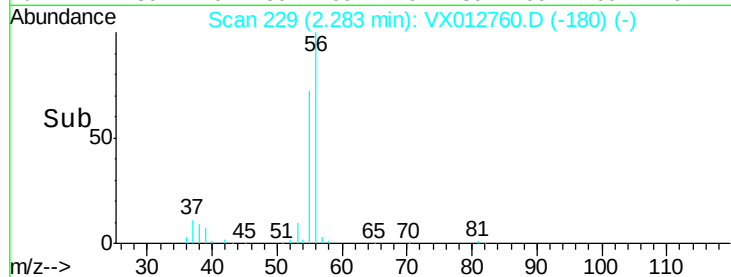
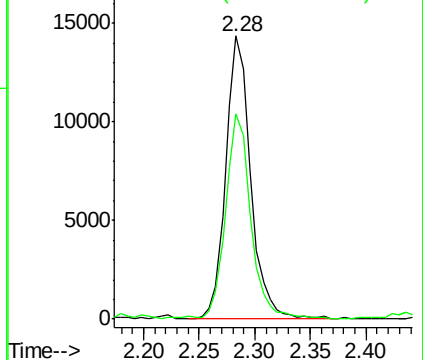
MMDadoda

10/3/2019 10:50:40 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 17.410 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

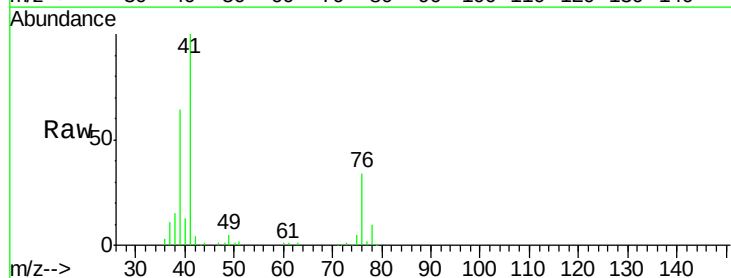
Tgt Ion: 41 Resp: 64364

Ion Ratio Lower Upper

41 100

39 63.0 51.3 76.9

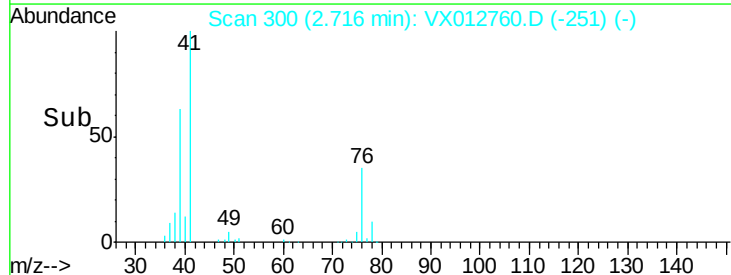
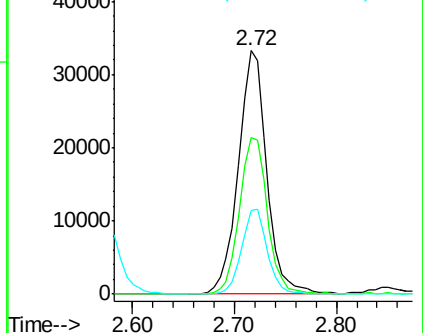
76 31.5 22.6 33.8

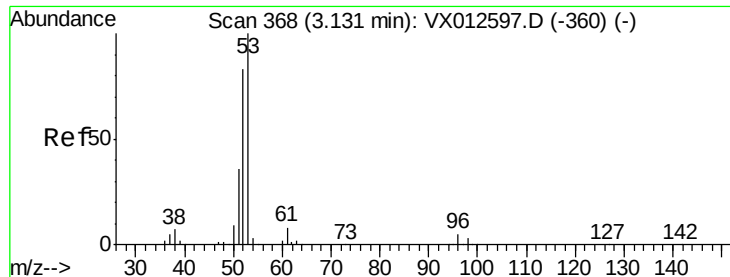


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 92.503 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Instrument :

MSVOA_X

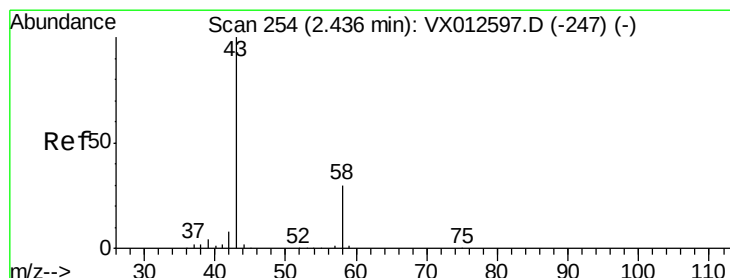
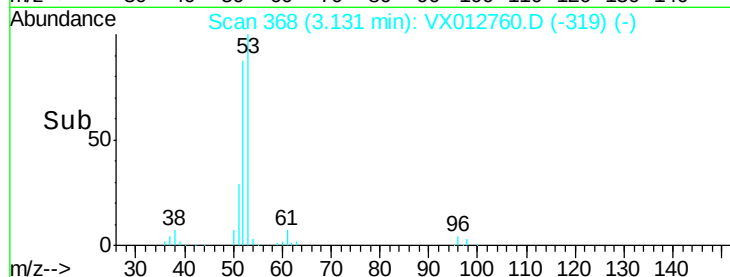
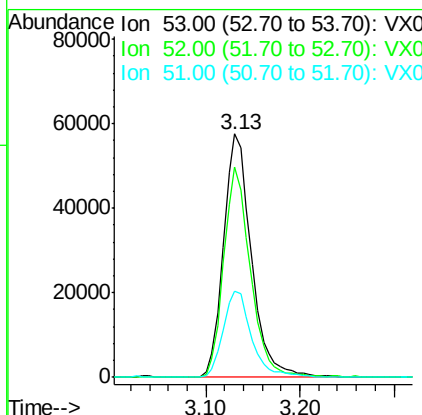
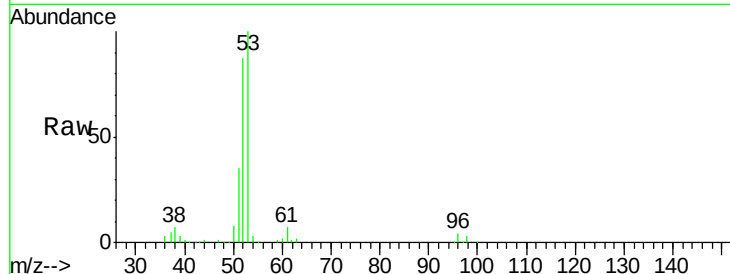
ClientSampleId :

VX1002WBSD01

Tot Ion:	53	Resp:	118315
Ion	Ratio	Lower	Upper
53	100		
52	83.4	67.0	100.4
51	36.3	29.6	44.4

Manual Integrations
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MMDadoda
10/3/2019 10:50:40 AM



#16

Acetone

Concen: 85.666 ug/l

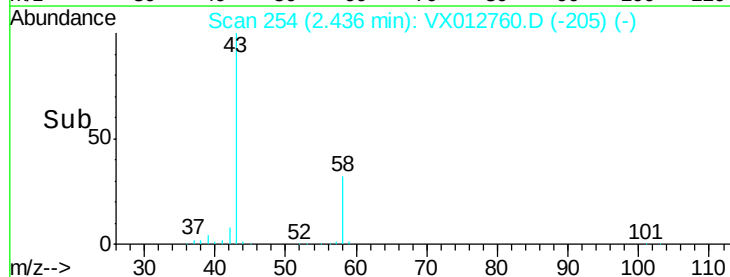
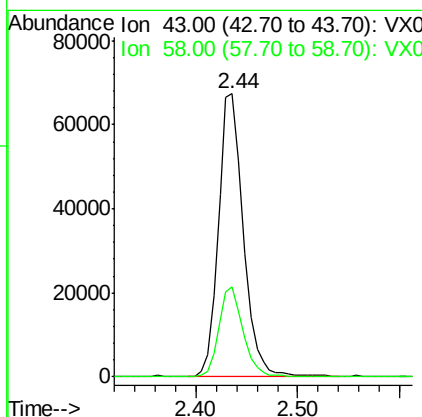
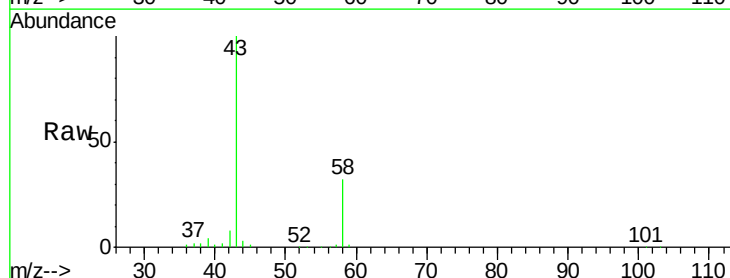
RT: 2.44 min Scan# 254

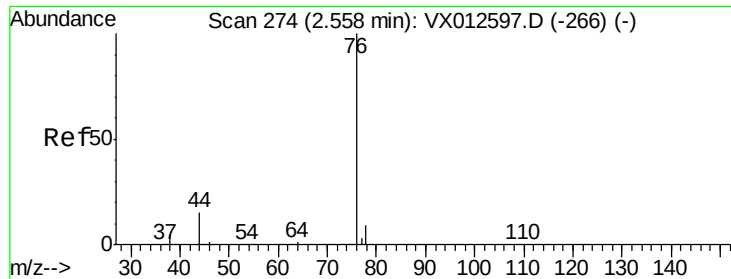
Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Tgt Ion:	43	Resp:	114516
Ion	Ratio	Lower	Upper
43	100		
58	31.8	23.3	34.9





#17

Carbon Disulfide

Concen: 15.461 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBSD01

Tot Ion: 76 Resp: 80769

Ion Ratio Lower Upper

76 100

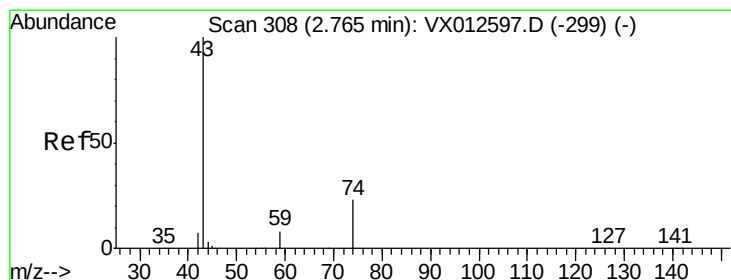
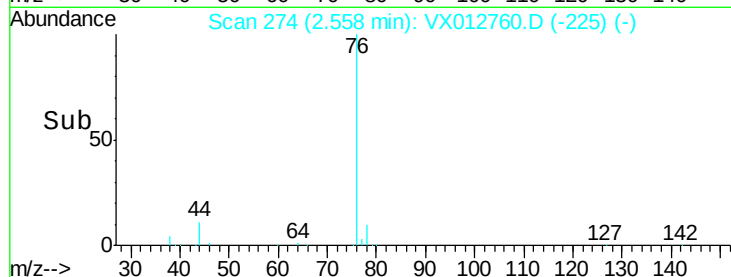
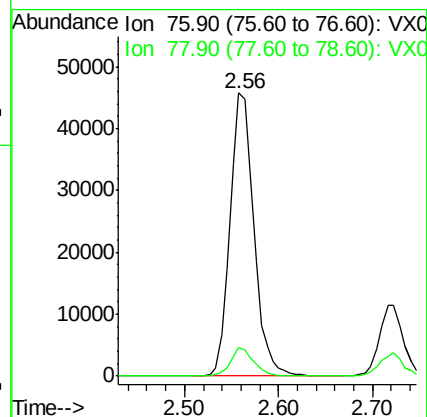
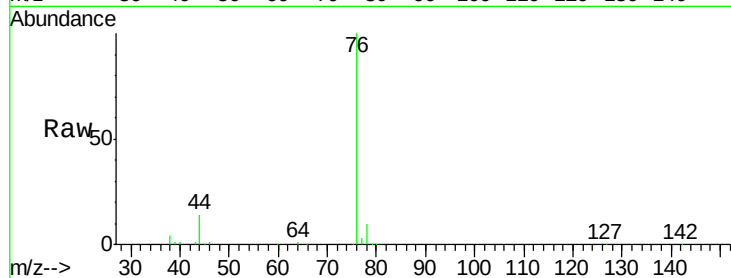
78 10.1 7.3 10.9

Manual Integrations

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MMDadoda

10/3/2019 10:50:40 AM



#18

Methyl Acetate

Concen: 18.284 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012760.D

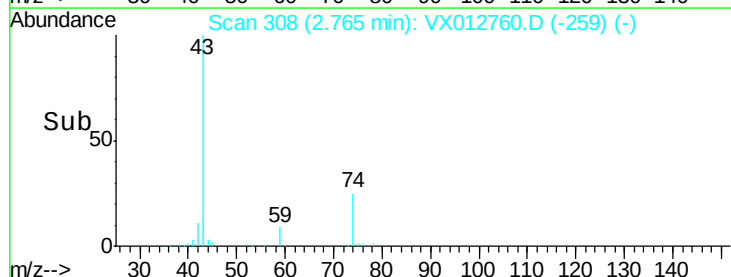
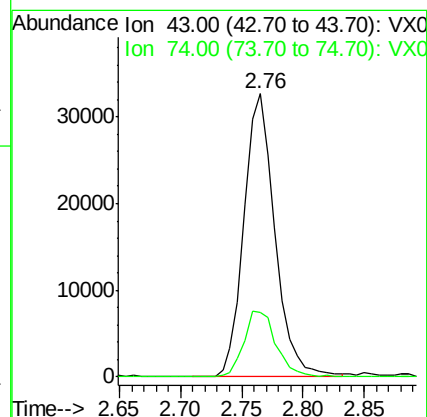
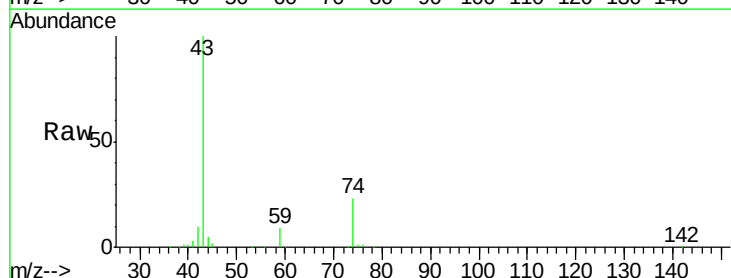
Acq: 02 Oct 2019 14:52

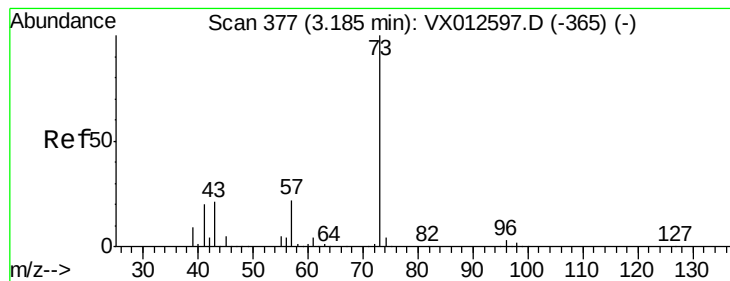
Tgt Ion: 43 Resp: 57552

Ion Ratio Lower Upper

43 100

74 24.5 17.7 26.5





#19

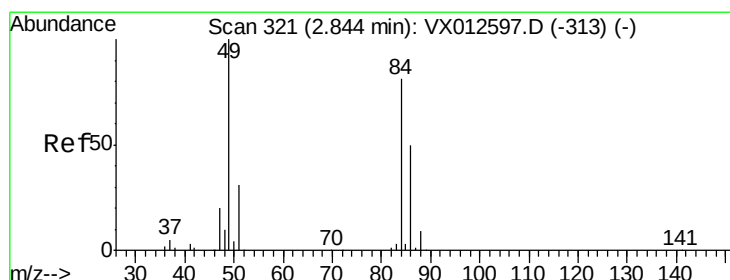
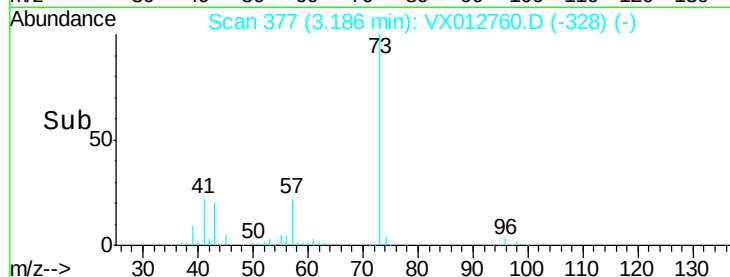
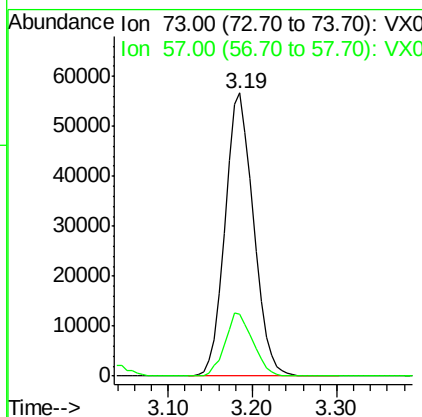
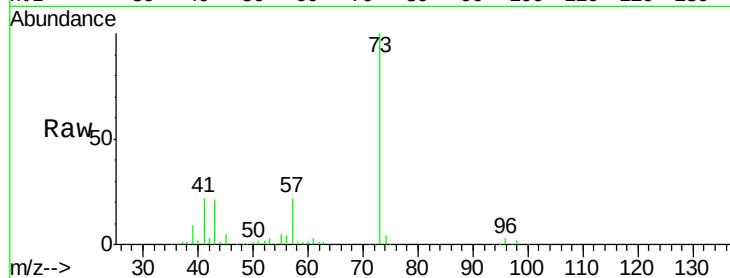
Methyl tert-butyl Ether
 Concen: 18.481 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VX012760.D
 Acq: 02 Oct 2019 14:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	16.8	25.2

Manual Integrations
 APPROVED

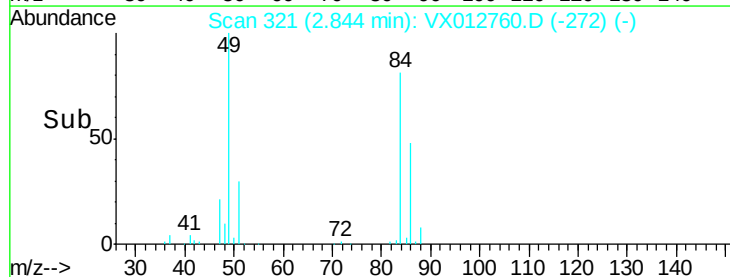
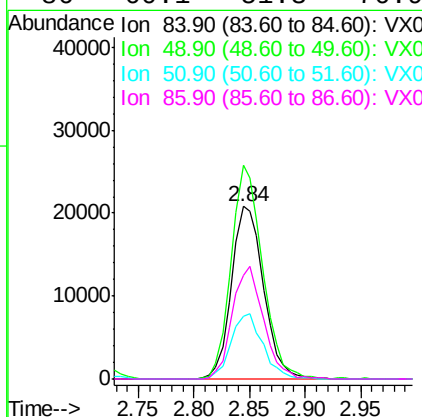
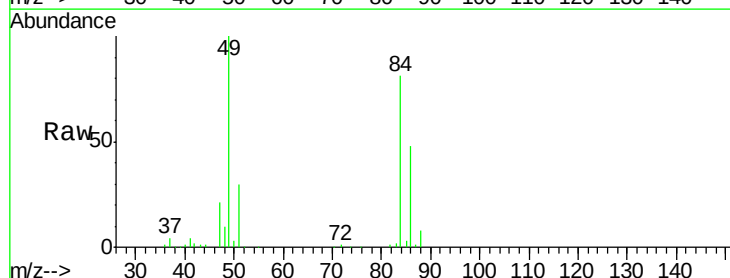
MMDadoda
 10/3/2019 10:50:40 AM

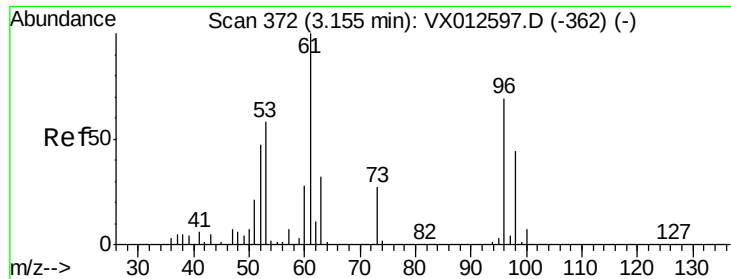


#20

Methylene Chloride
 Concen: 18.400 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VX012760.D
 Acq: 02 Oct 2019 14:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.0	106.8	160.2
51	36.7	32.3	48.5
86	60.1	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 17.921 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Instrument :

MSVOA_X

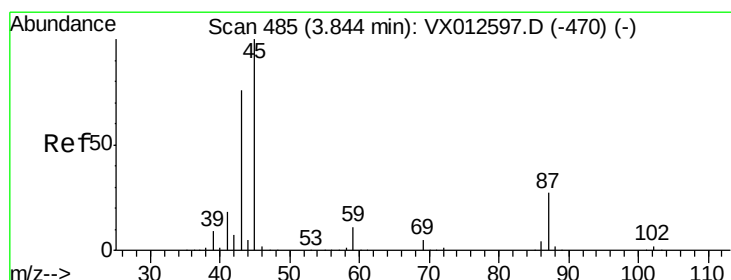
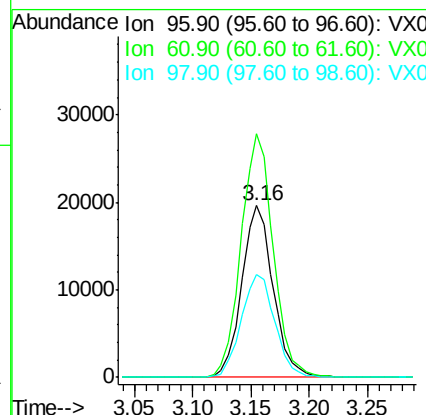
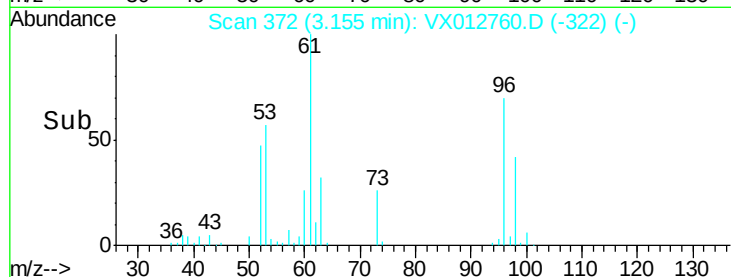
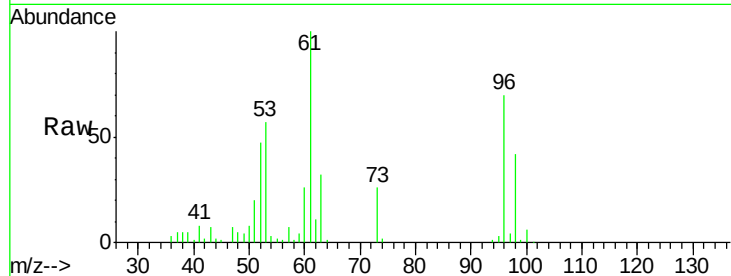
ClientSampled :

VX1002WBSD01

Tot Ion:	96	Resp:	36995
Ion	Ratio	Lower	Upper
96	100		
61	142.0	112.0	168.0
98	60.0	47.8	71.8

Manual Integrations
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MMDadoda
10/3/2019 10:50:40 AM



#22

Diisopropyl ether

Concen: 18.281 ug/l

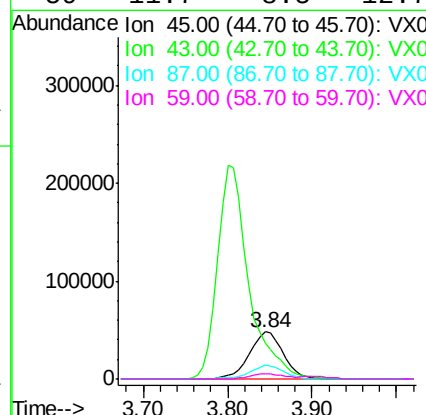
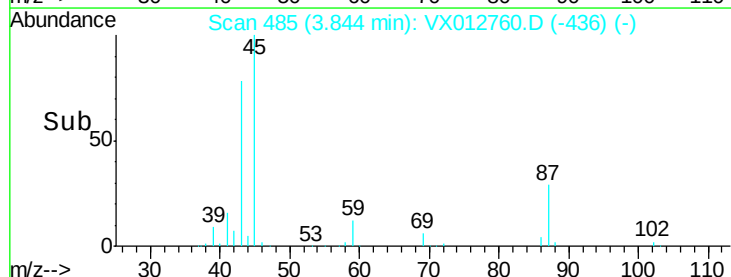
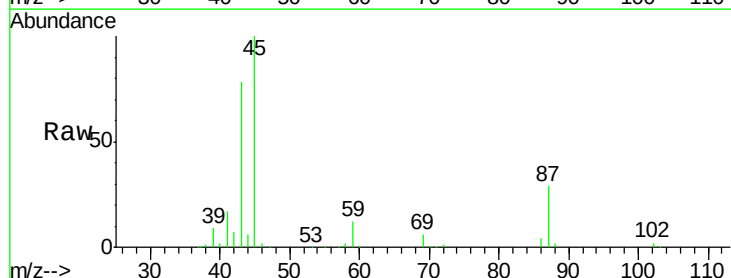
RT: 3.84 min Scan# 485

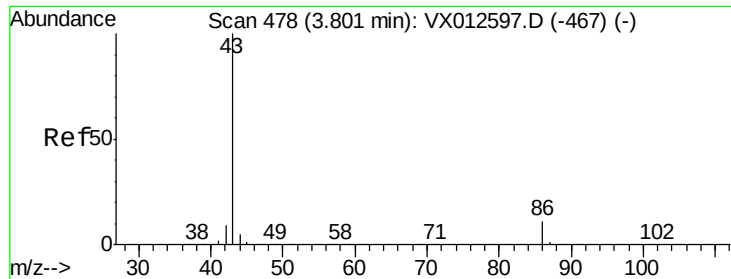
Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Tgt Ion:	45	Resp:	130593
Ion	Ratio	Lower	Upper
45	100		
43	76.4	57.8	86.8
87	28.9	21.3	31.9
59	11.7	8.5	12.7





#23

Vinyl Acetate

Concen: 89.984 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Instrument :

MSVOA_X

ClientSampleID :

VX1002WBSD01

Tot Ion: 43 Resp: 563713

Ion Ratio Lower Upper

43 100

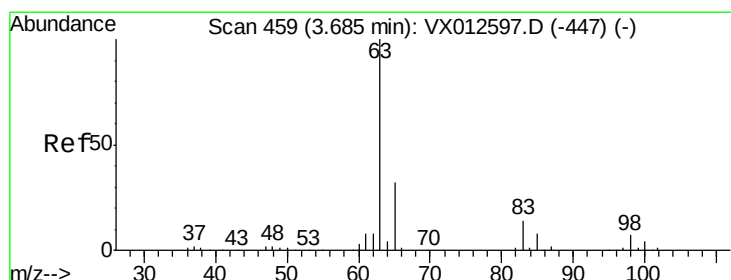
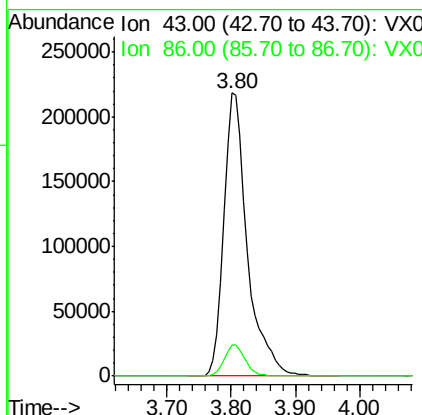
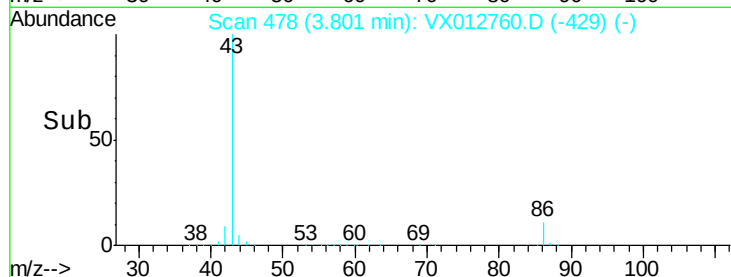
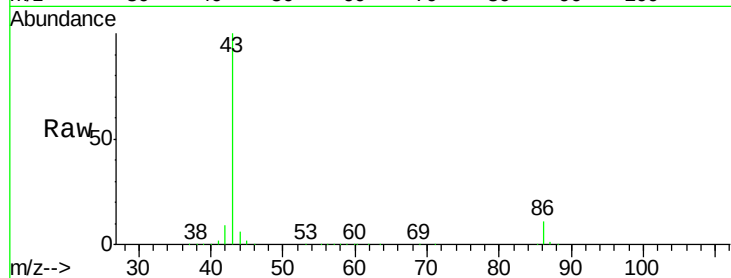
86 10.8 7.8 11.8

Manual Integrations

APPROVED

MMDadoda

10/3/2019 10:50:40 AM



#24

1,1-Dichloroethane

Concen: 18.427 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

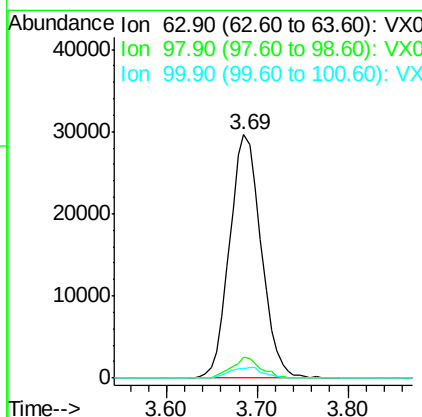
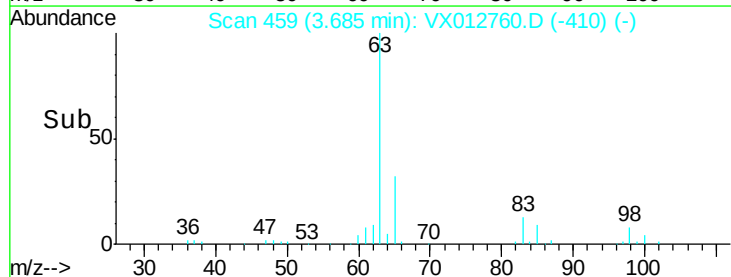
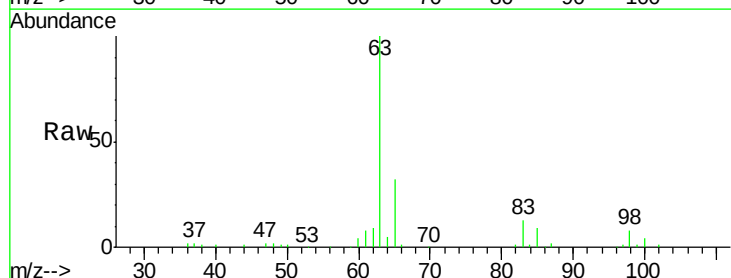
Tgt Ion: 63 Resp: 71553

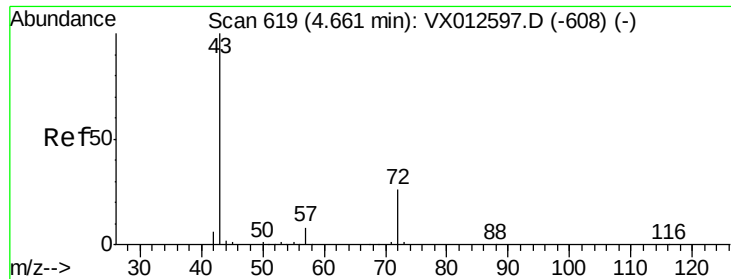
Ion Ratio Lower Upper

63 100

98 8.3 3.9 11.7

100 3.7 2.3 6.9





#25

2-Butanone

Concen: 88.865 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Instrument :

MSVOA_X

ClientSampled :

VX1002WBSD01

Tot Ion: 43 Resp: 170331

Ion Ratio Lower Upper

43 100

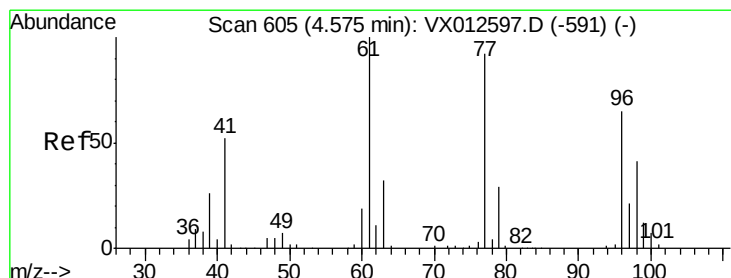
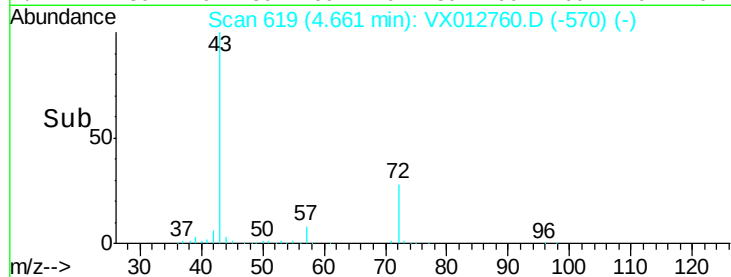
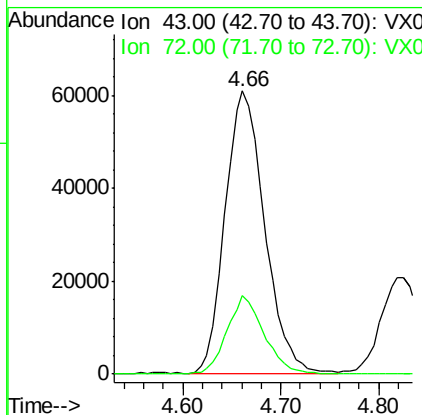
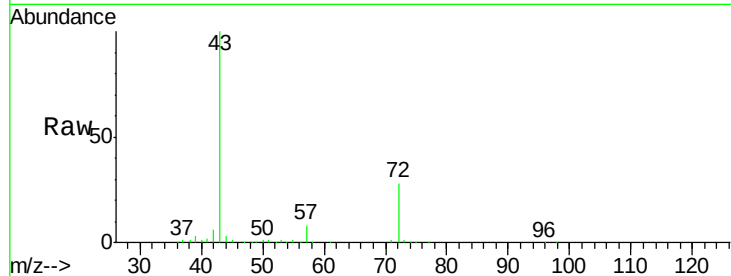
72 27.7 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

10/3/2019 10:50:40 AM



#26

2,2-Dichloropropane

Concen: 17.315 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX012760.D

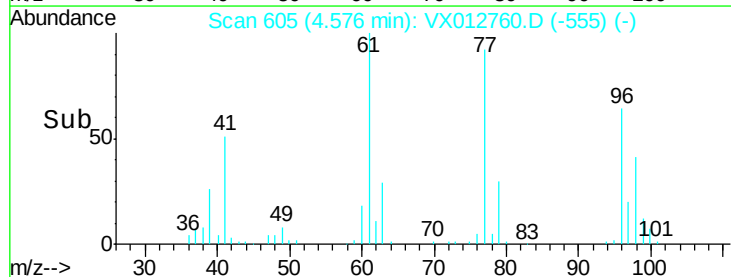
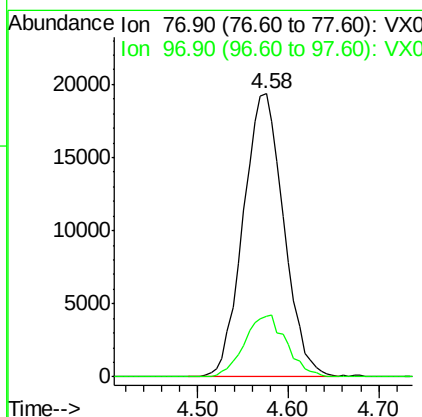
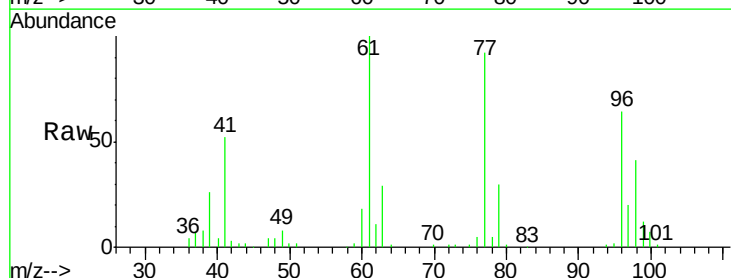
Acq: 02 Oct 2019 14:52

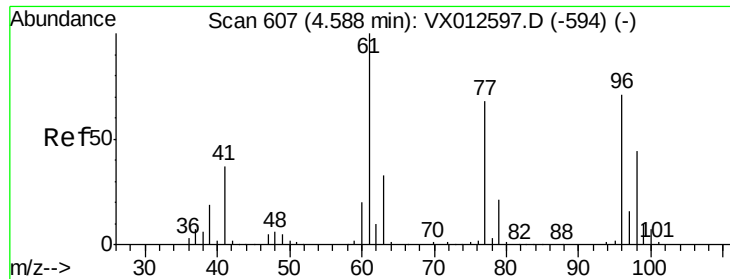
Tgt Ion: 77 Resp: 59799

Ion Ratio Lower Upper

77 100

97 22.5 10.5 31.6





#27

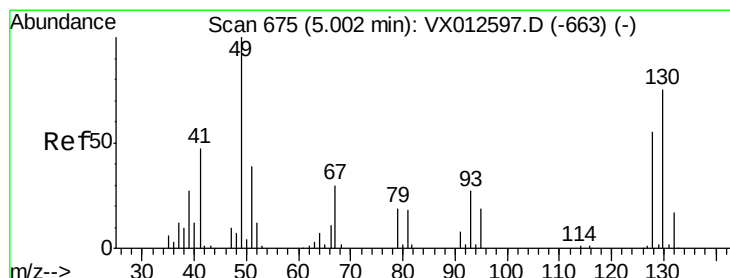
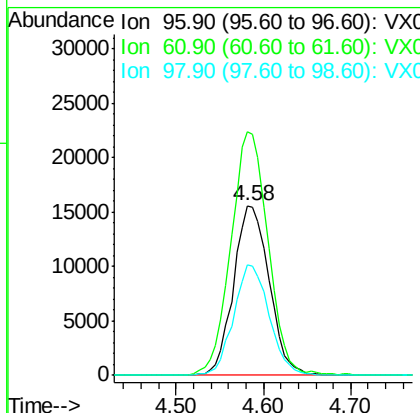
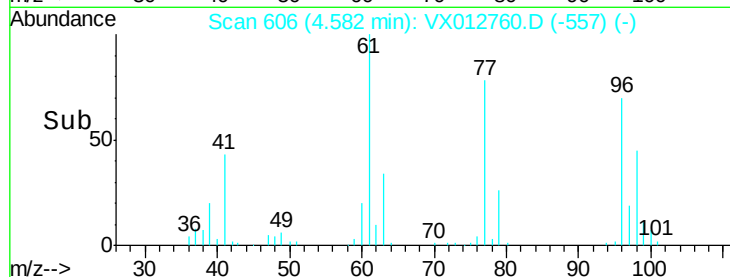
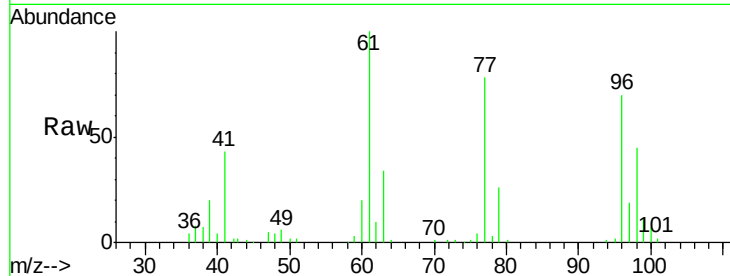
cis-1,2-Dichloroethene
Concen: 18.415 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	44110		
61	149.8	0.0	319.4	
98	65.1	0.0	130.6	

Manual Integrations
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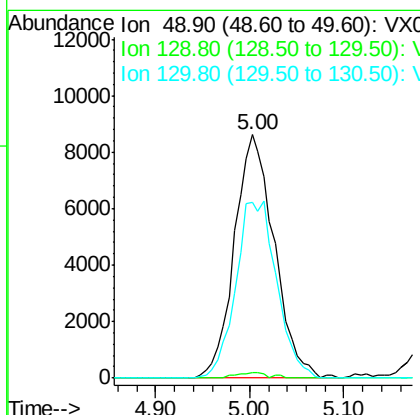
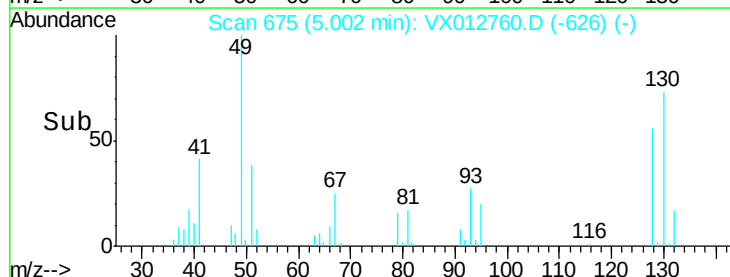
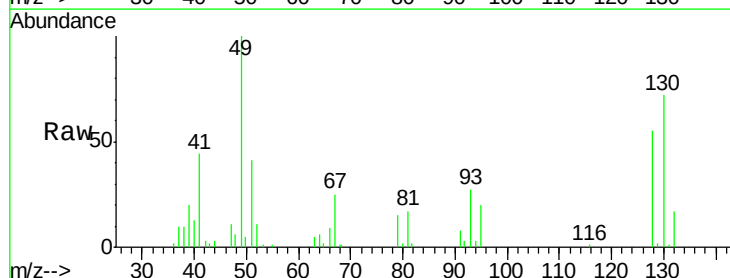
MMDadoda
10/3/2019 10:50:40 AM

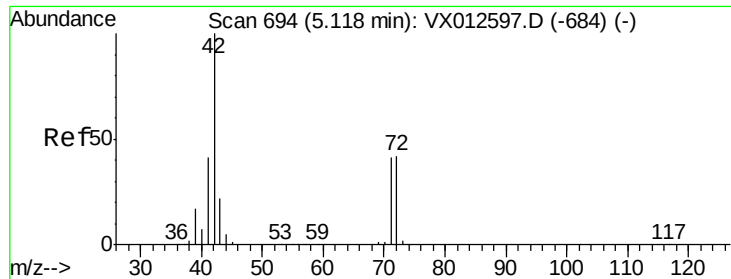


#28

Bromochloromethane
Concen: 17.958 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	25320		
129	1.6	0.0	3.8	
130	74.7	58.2	87.4	





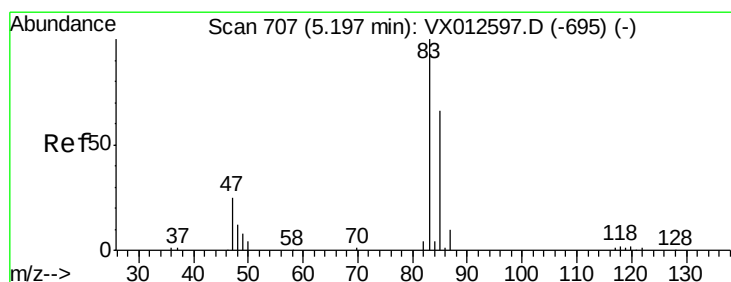
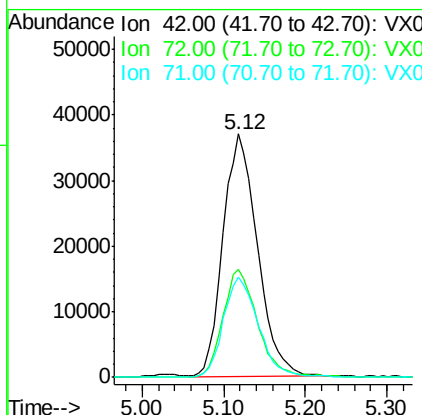
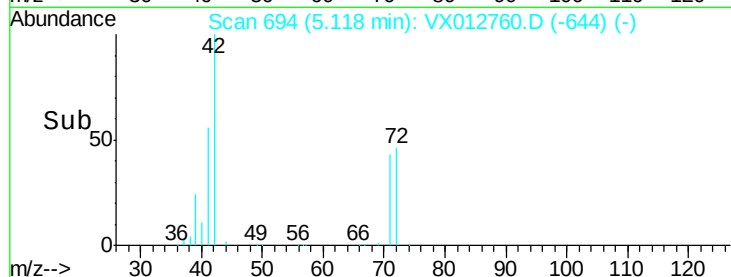
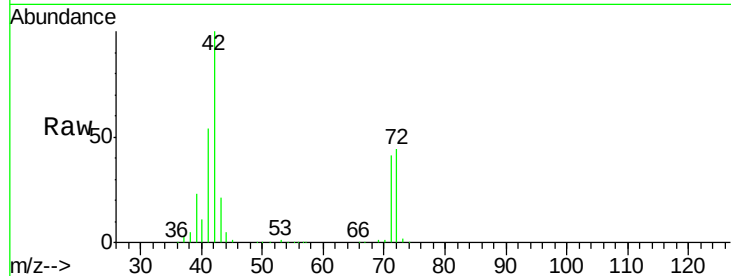
#29
Tetrahydrofuran
Concen: 92.547 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	34.0	51.0
71	41.9	31.5	47.3

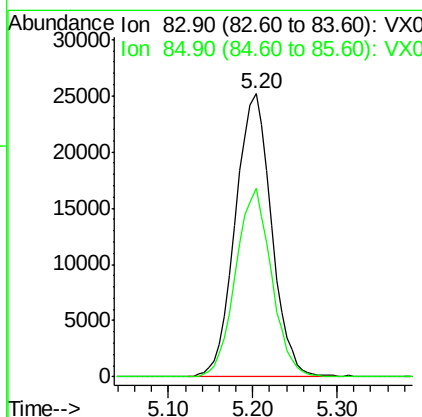
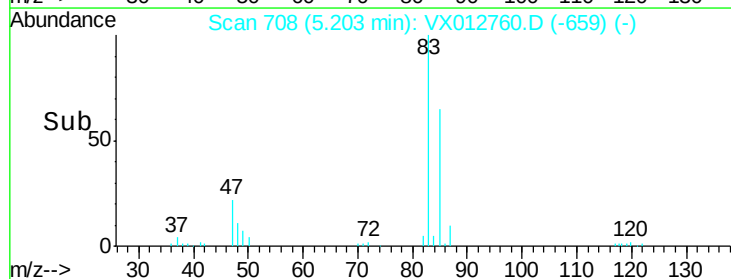
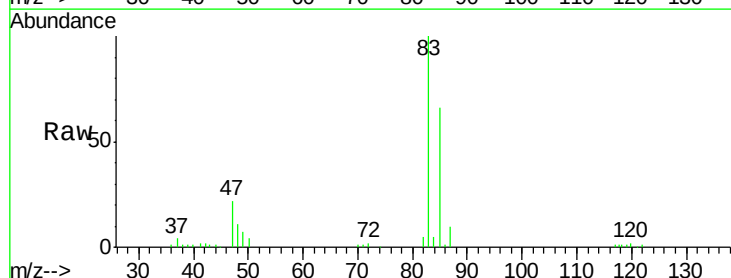
Manual Integrations
APPROVED

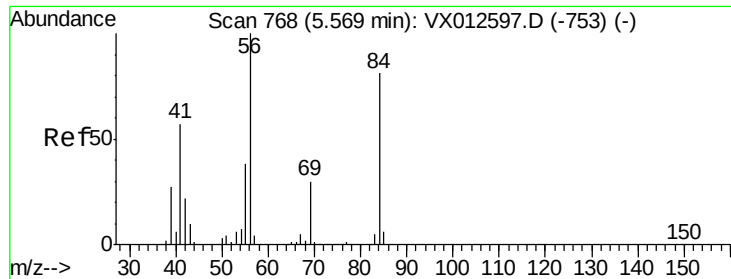
MMDadoda
10/3/2019 10:50:40 AM



#30
Chloroform
Concen: 18.432 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.00 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	53.0	79.4





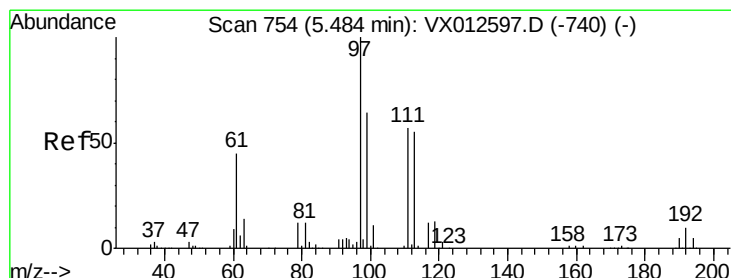
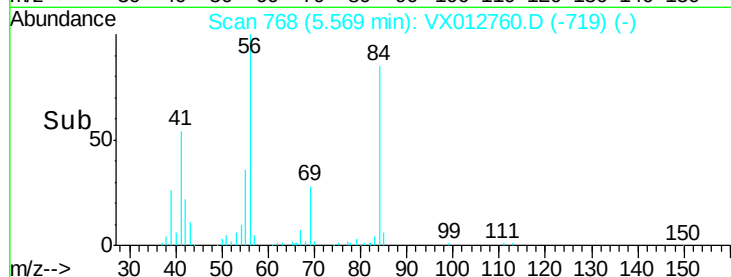
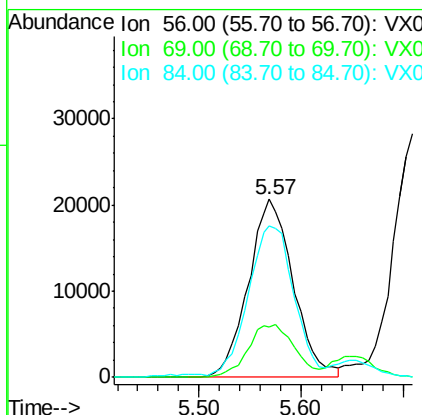
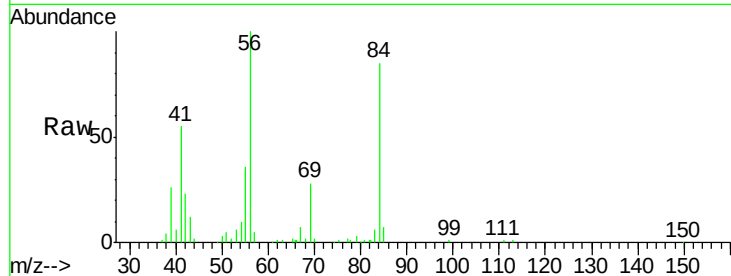
#31
Cyclohexane
Concen: 17.941 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.3	25.0	37.6
84	83.5	66.4	99.6

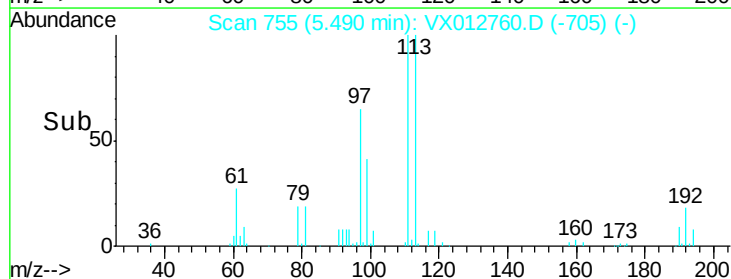
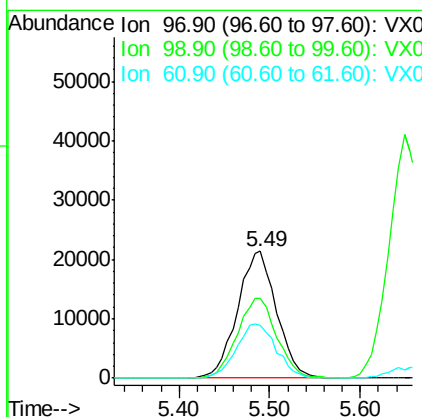
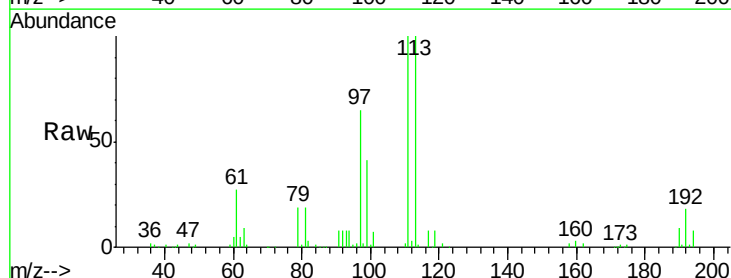
Manual Integrations
APPROVED

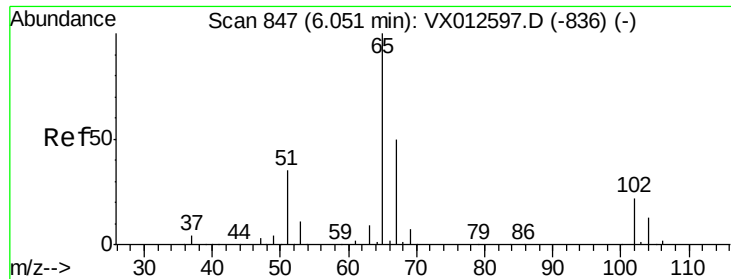
MMDadoda
10/3/2019 10:50:40 AM



#32
1,1,1-Trichloroethane
Concen: 18.084 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.3	76.9
61	43.6	36.1	54.1





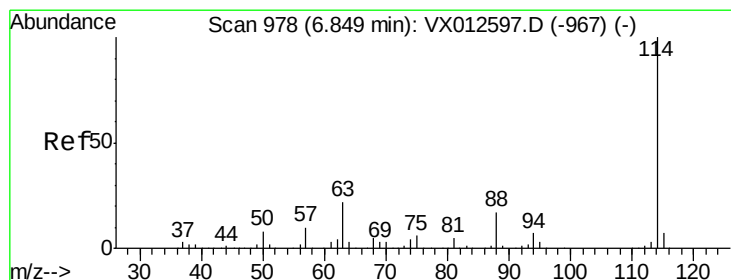
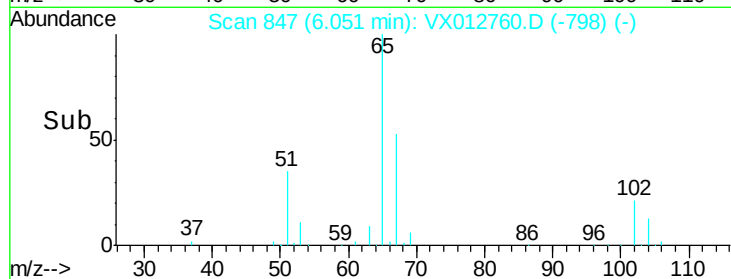
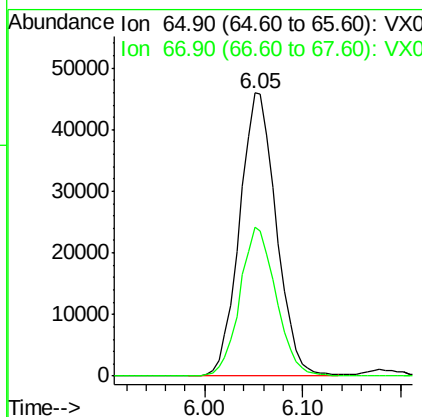
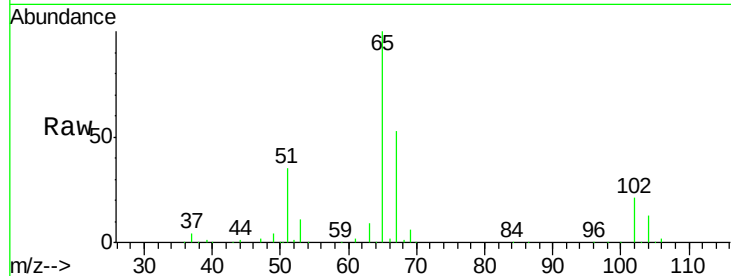
#33
 1,2-Dichloroethane-d4
 Concen: 47.359 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012760.D
 Acq: 02 Oct 2019 14:52

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1002WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	119523		
67	52.0	0.0	101.2	

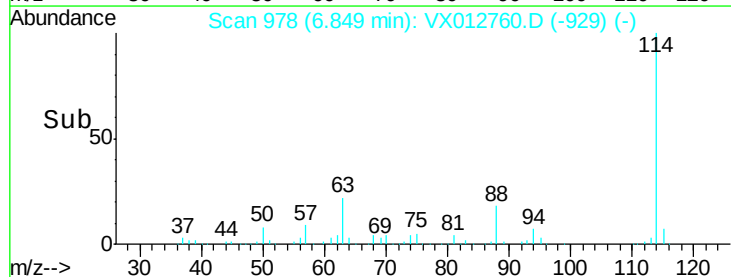
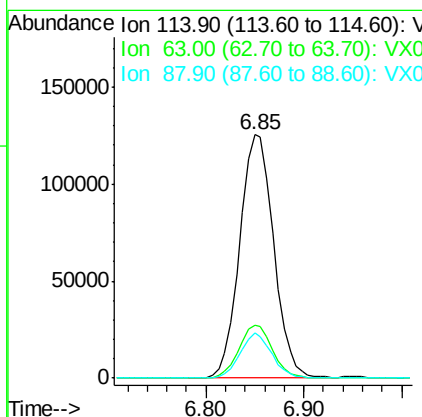
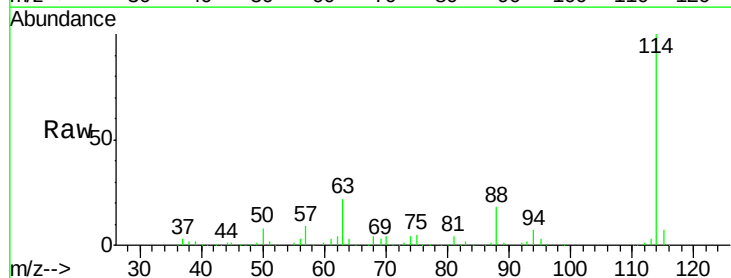
Manual Integrations
 APPROVED

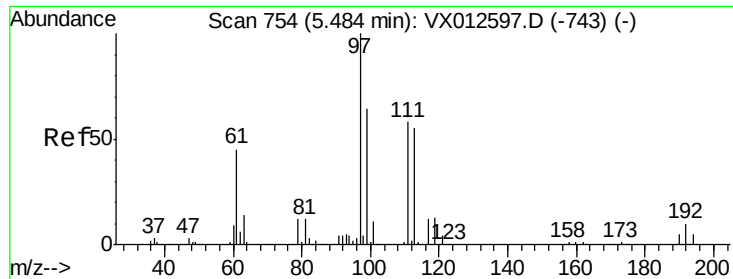
MMDadoda
 10/3/2019 10:50:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012760.D
 Acq: 02 Oct 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	302810		
63	21.7	0.0	43.2	
88	18.4	0.0	33.2	





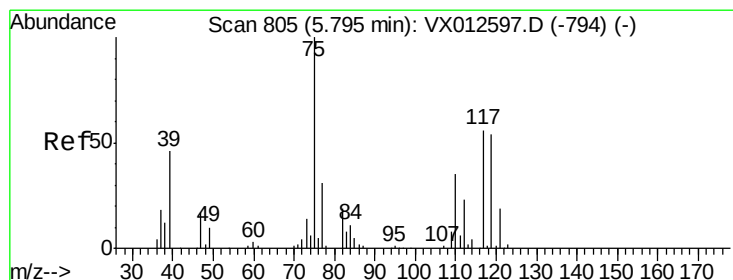
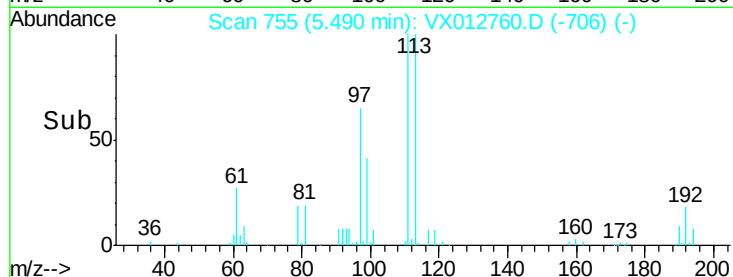
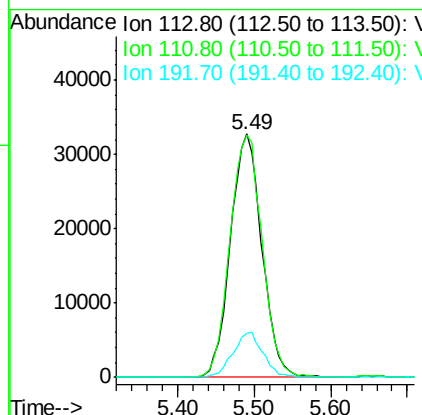
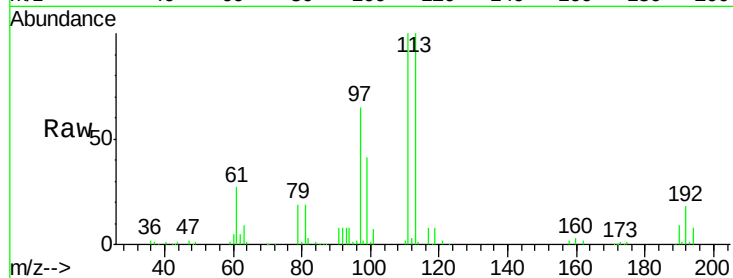
#35
Dibromofluoromethane
Concen: 51.603 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.4	125.2
192	17.6	14.4	21.6

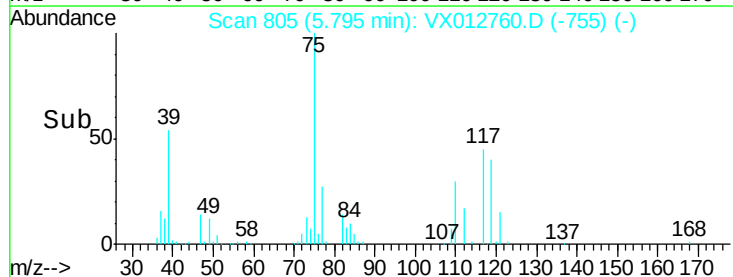
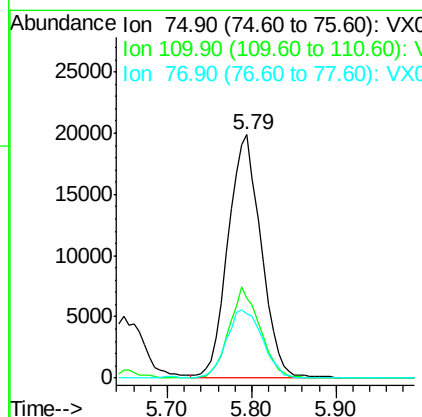
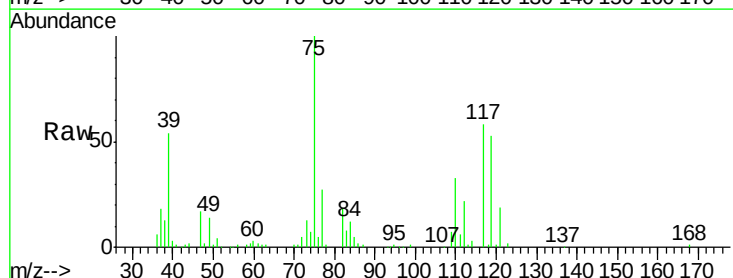
Manual Integrations
APPROVED

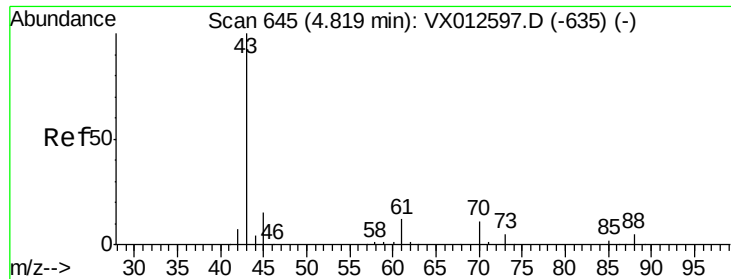
MMDadoda
10/3/2019 10:50:40 AM



#36
1,1-Dichloropropene
Concen: 18.250 ug/l
RT: 5.79 min Scan# 805
Delta R.T. 0.01 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	16.7	50.0
77	30.3	24.2	36.2





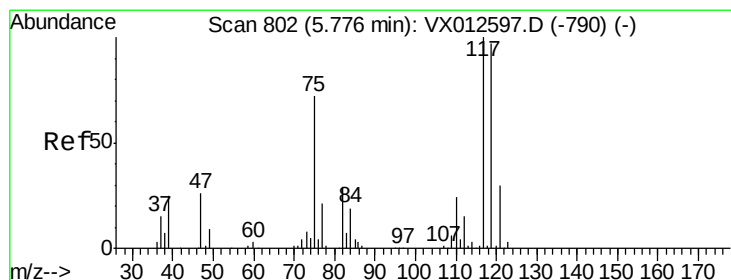
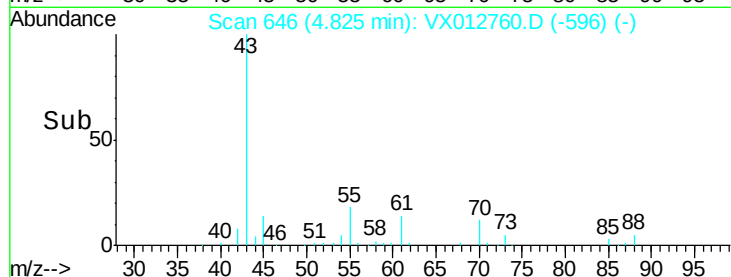
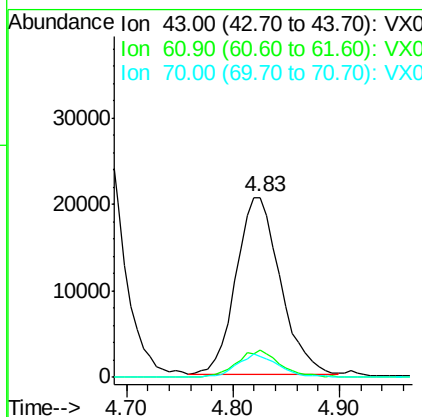
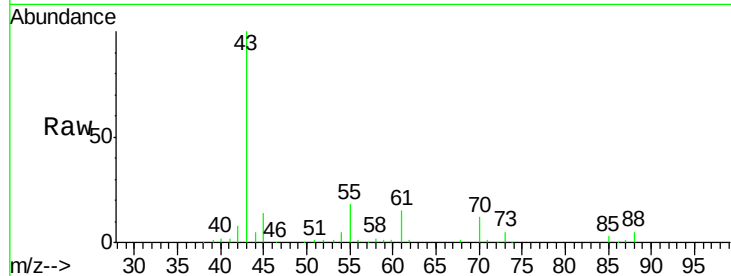
#37
Ethyl Acetate
Concen: 17.482 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	10.2	15.4
70	12.4	8.7	13.1

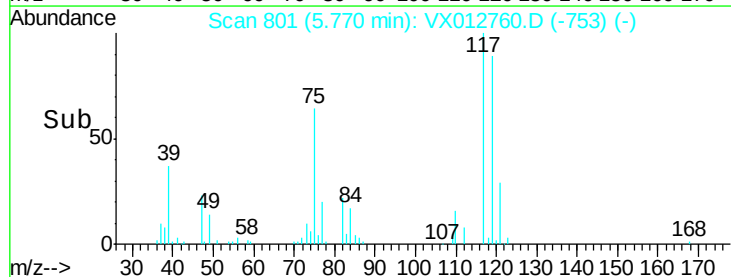
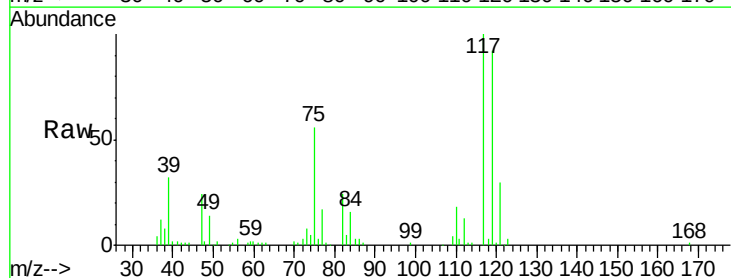
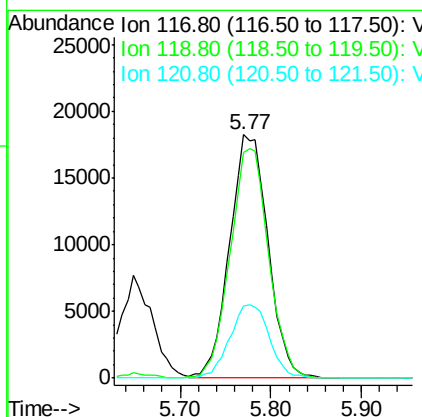
Manual Integrations
APPROVED

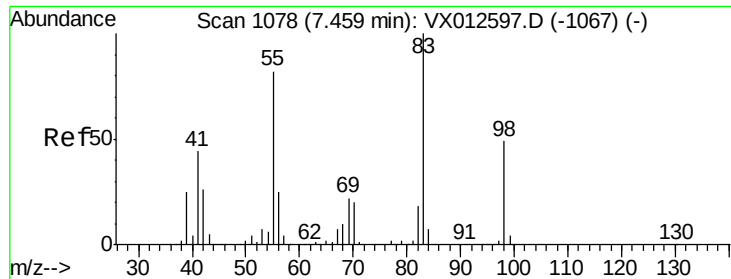
MMDadoda
10/3/2019 10:50:40 AM



#38
Carbon Tetrachloride
Concen: 18.110 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	75.7	113.5
121	29.8	24.2	36.4





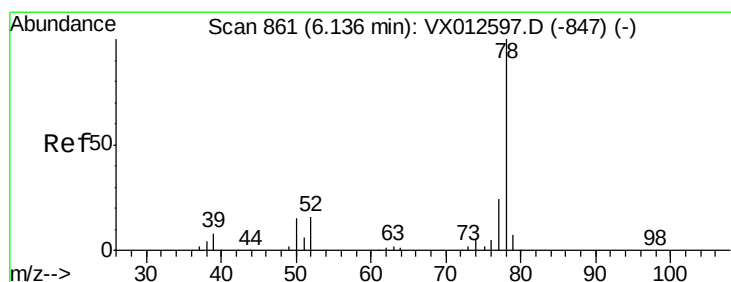
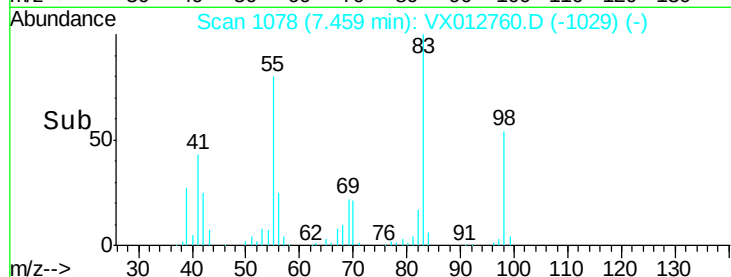
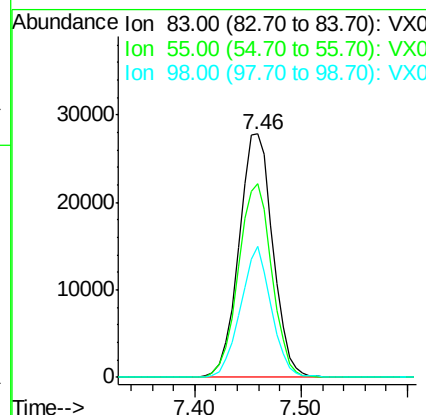
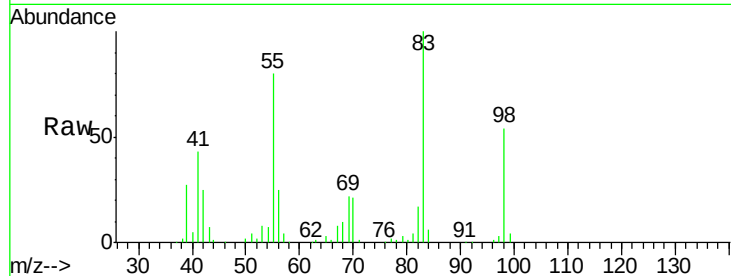
#39
Methylvlcyclohexane
Concen: 17.742 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	64.4	96.6
98	53.8	40.1	60.1

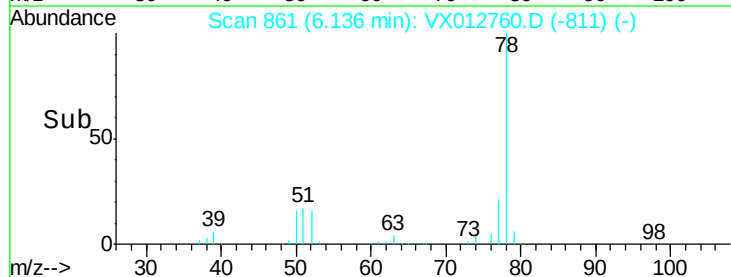
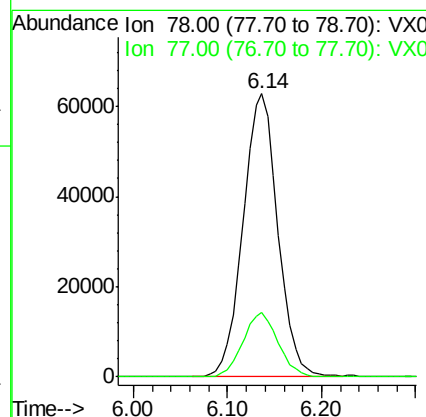
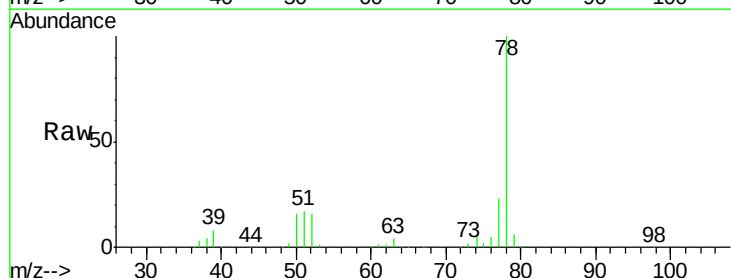
Manual Integrations
APPROVED

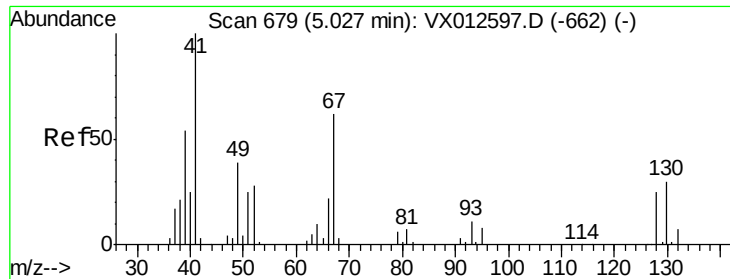
MMDadoda
10/3/2019 10:50:40 AM



#40
Benzene
Concen: 18.824 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.2	28.8





#41

Methacrylonitrile

Concen: 18.004 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBSD01

Tot Ion: 41 Resp: 34470

Ion Ratio Lower Upper

41 100

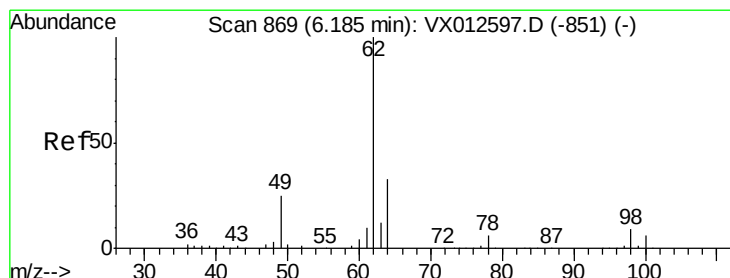
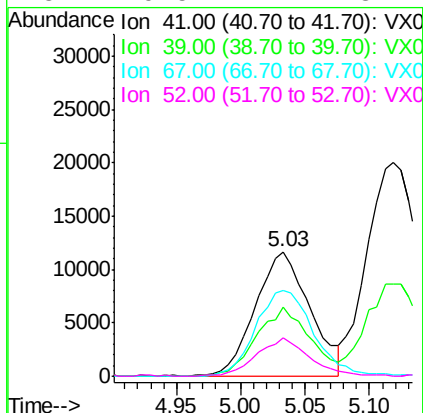
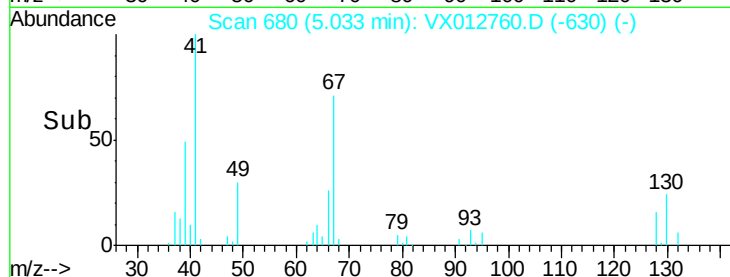
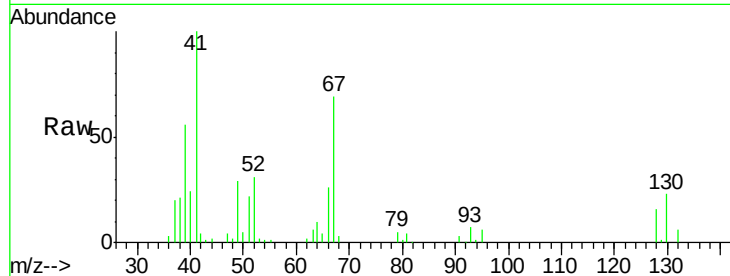
39 54.2 46.0 69.0

67 72.9 52.2 78.2

52 29.5 22.7 34.1

Manual Integrations
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MMDadoda
10/3/2019 10:50:40 AM



#42

1,2-Dichloroethane

Concen: 18.609 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX012760.D

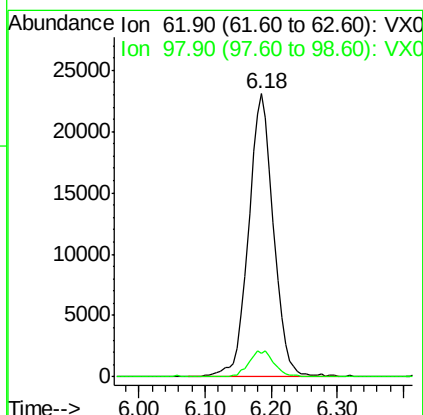
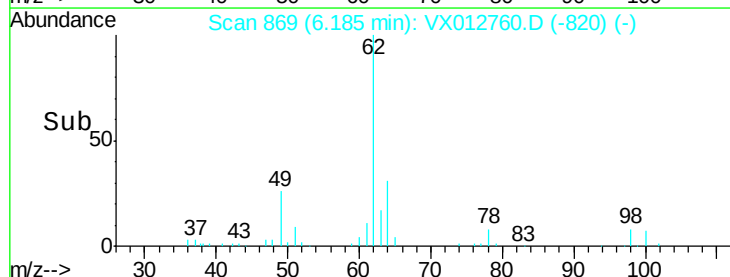
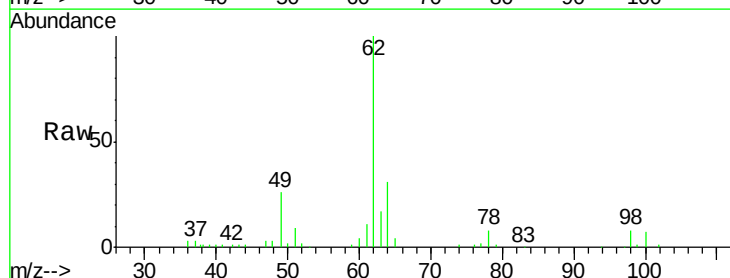
Acq: 02 Oct 2019 14:52

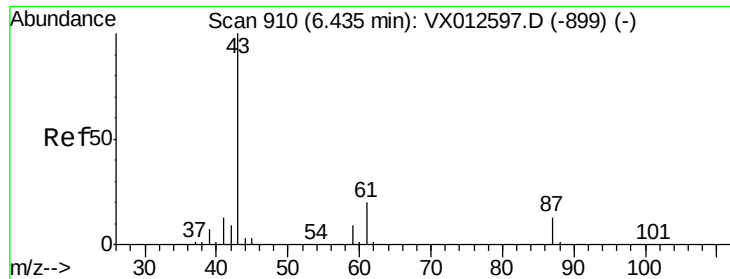
Tgt Ion: 62 Resp: 60688

Ion Ratio Lower Upper

62 100

98 9.5 0.0 17.8





#43

Isopropyl Acetate

Concen: 17.756 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Instrument :

MSVOA_X

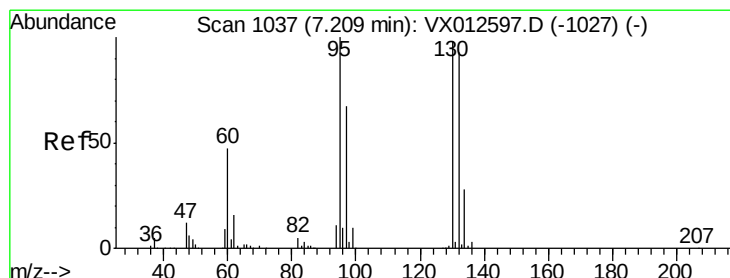
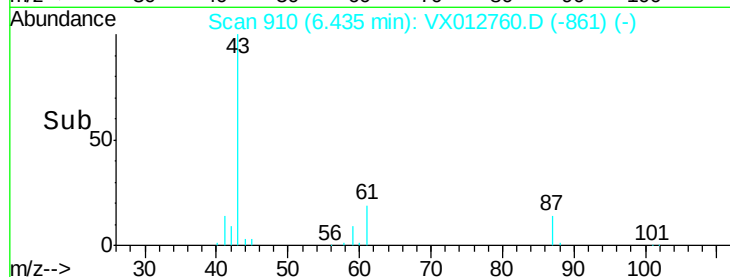
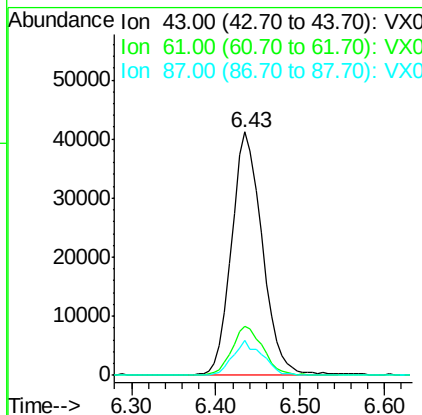
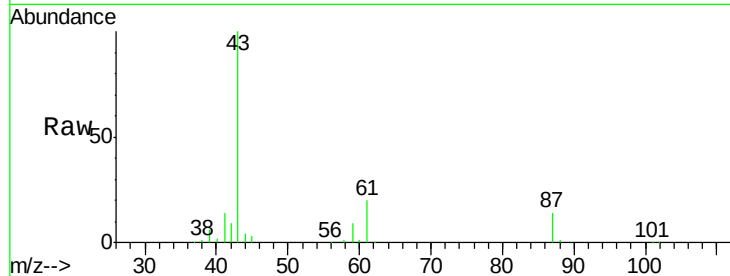
ClientSampleId :

VX1002WBSD01

Tot Ion:	43	Resp:	101325
Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.4	23.0
87	13.8	9.8	14.8

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#44

Trichloroethene

Concen: 19.091 ug/l

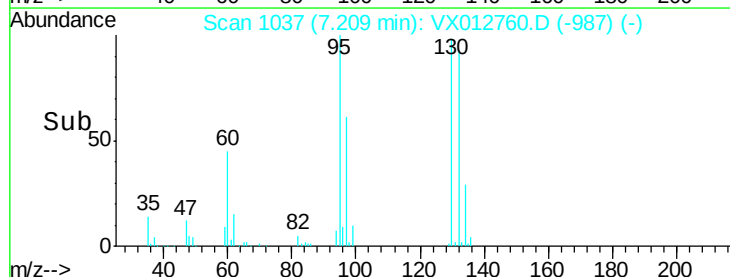
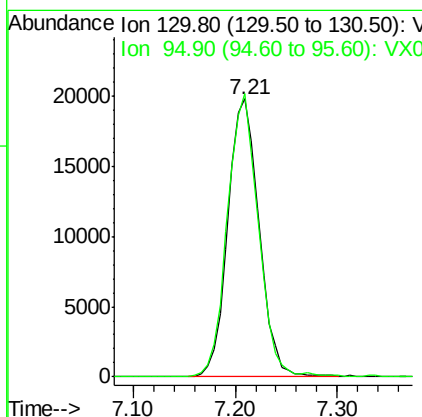
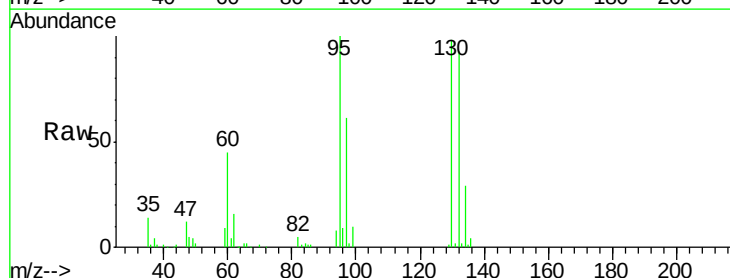
RT: 7.21 min Scan# 1037

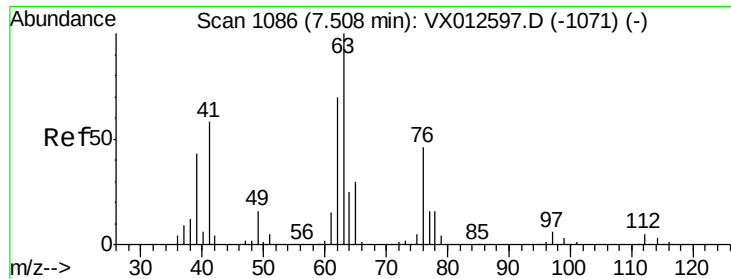
Delta R.T. 0.01 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Tgt Ion:	130	Resp:	41914
Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	193.0





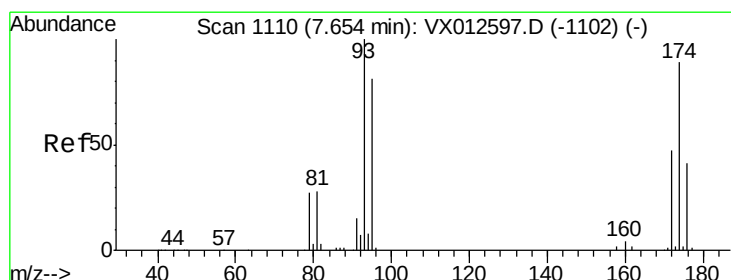
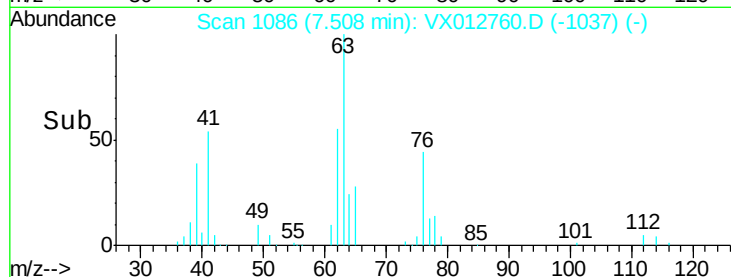
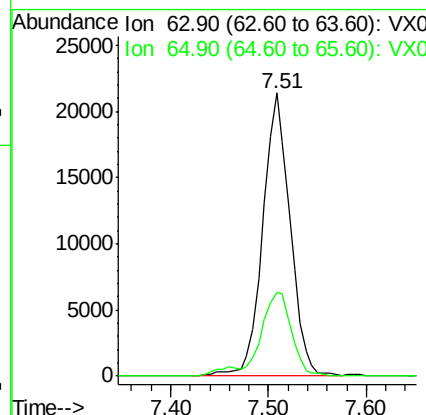
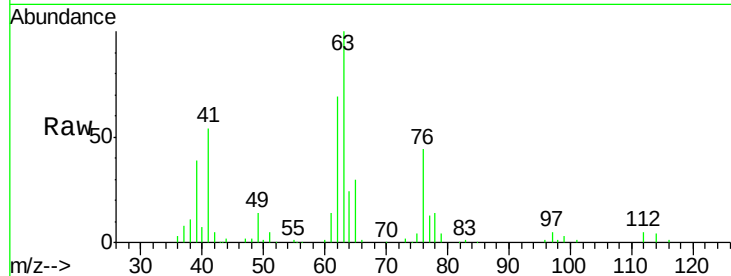
#45
 1,2-Dichloropropane
 Concen: 18.919 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012760.D
 Acq: 02 Oct 2019 14:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1002WBSD01

Tot Ion: 63 Resp: 41597
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.0 37.6

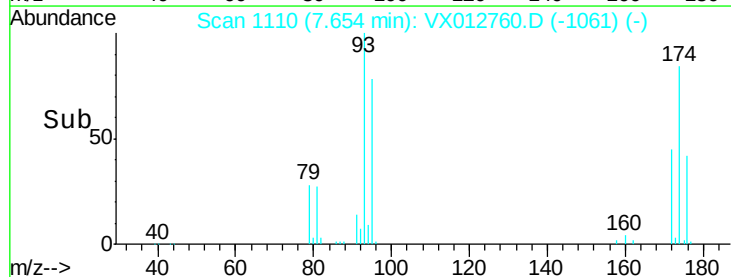
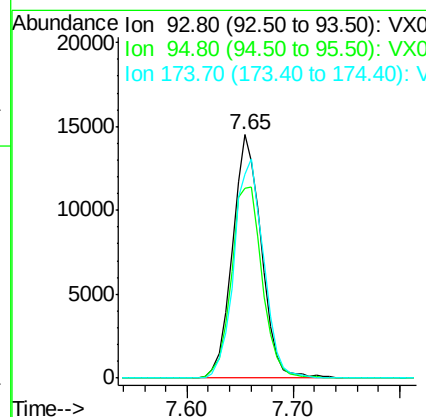
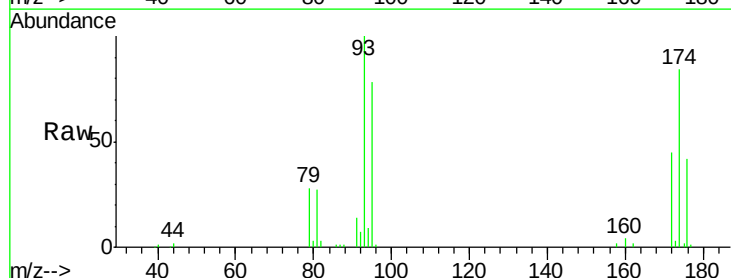
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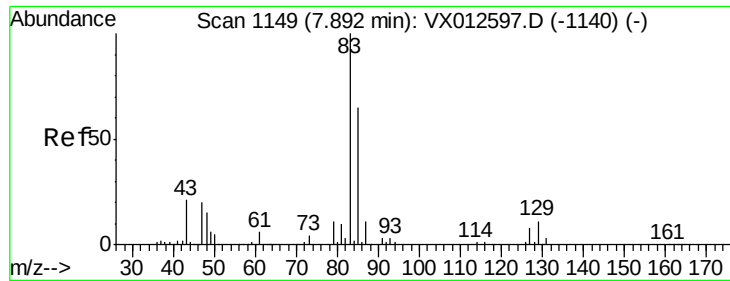
MMDadoda
 10/3/2019 10:50:40 AM



#46
 Dibromomethane
 Concen: 18.414 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012760.D
 Acq: 02 Oct 2019 14:52

Tgt Ion: 93 Resp: 27565
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.6 100.0
 174 91.7 77.4 116.0





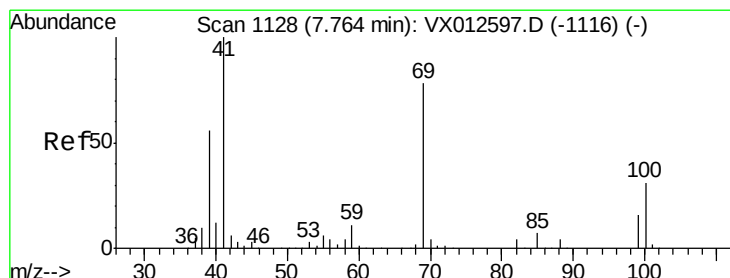
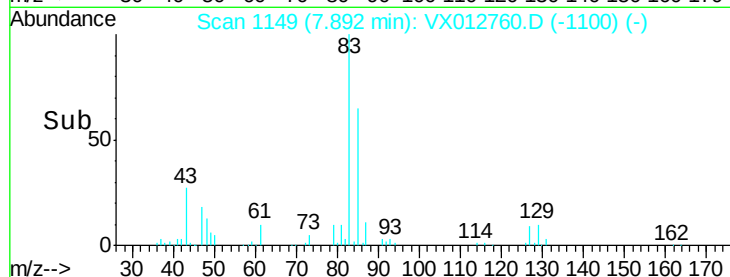
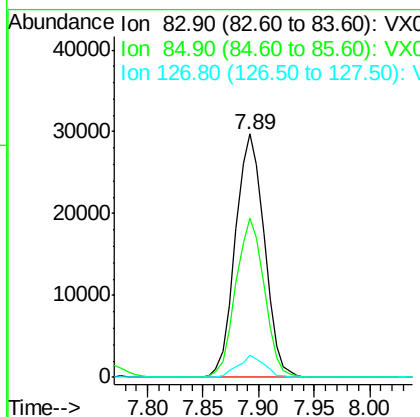
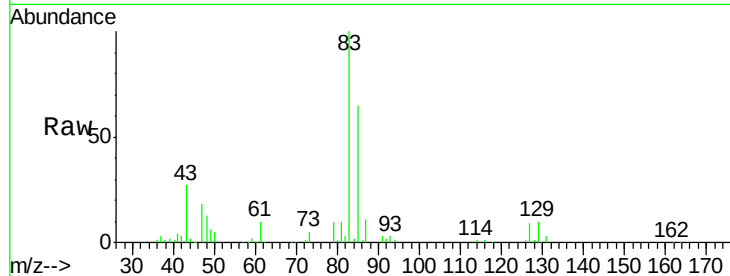
#47
Bromodichloromethane
Concen: 17.930 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion	83	Resp	53645
Ion Ratio	100	Lower	Upper
83	100		
85	65.4	51.8	77.6
127	9.1	7.3	10.9

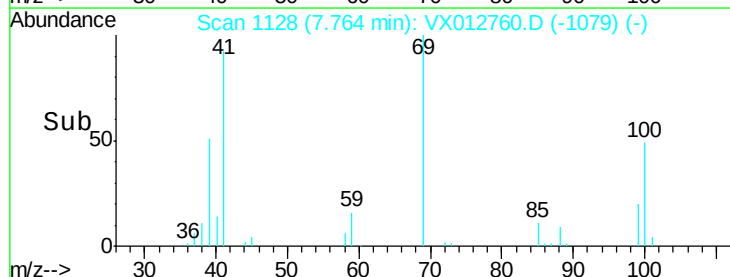
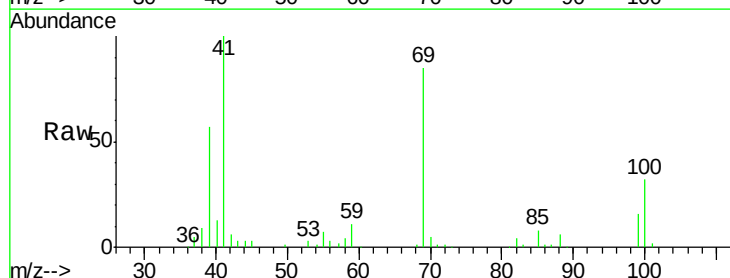
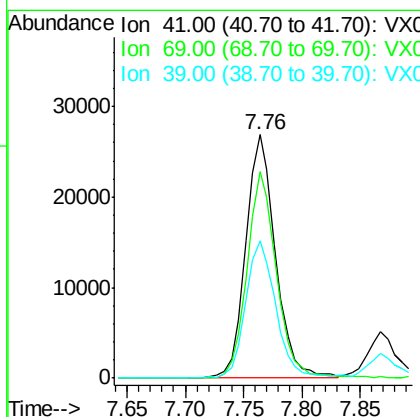
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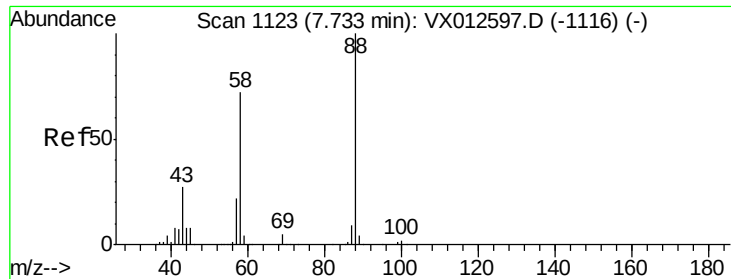
MMDadoda
10/3/2019 10:50:40 AM



#48
Methyl methacrylate
Concen: 17.534 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Tgt Ion	41	Resp	47978
Ion Ratio	100	Lower	Upper
41	100		
69	83.9	59.9	89.9
39	57.4	47.8	71.6





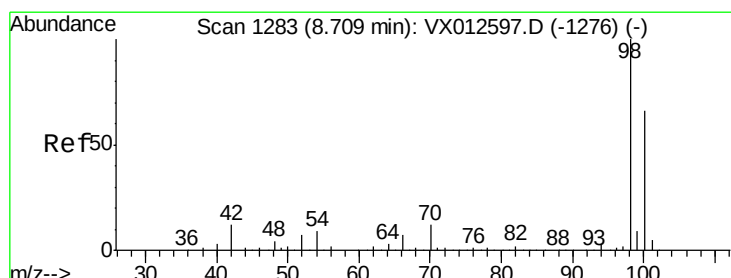
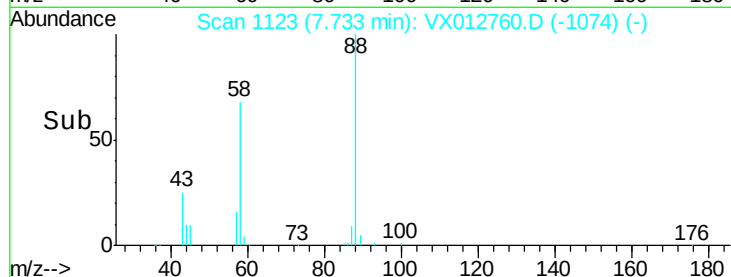
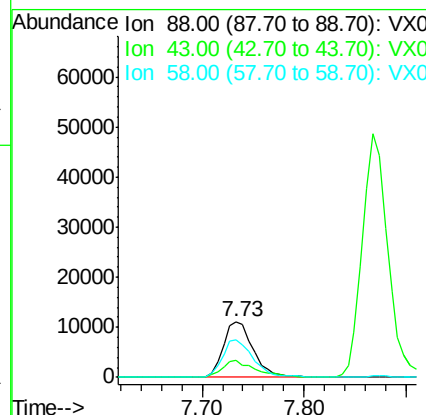
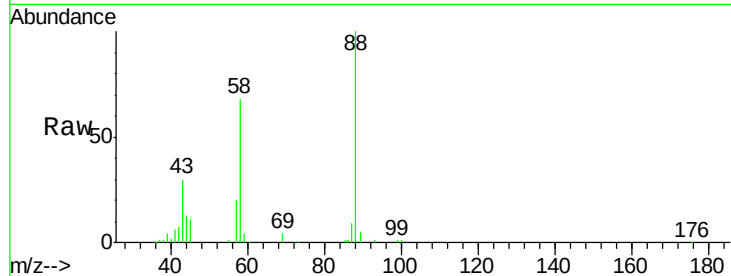
#49
1,4-Dioxane
Concen: 364.035 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	29.4	44.0
58	69.9	57.5	86.3

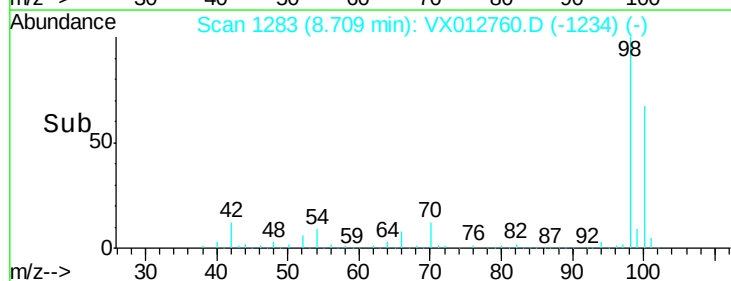
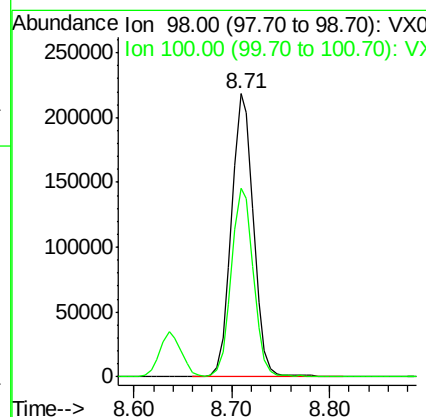
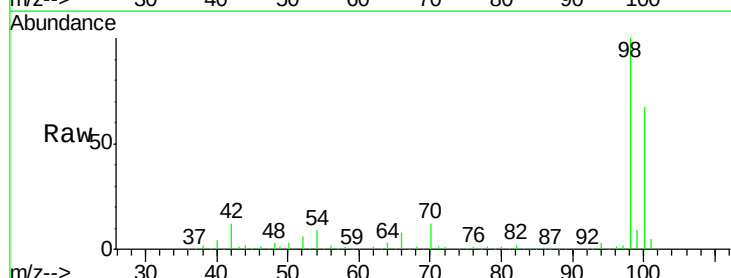
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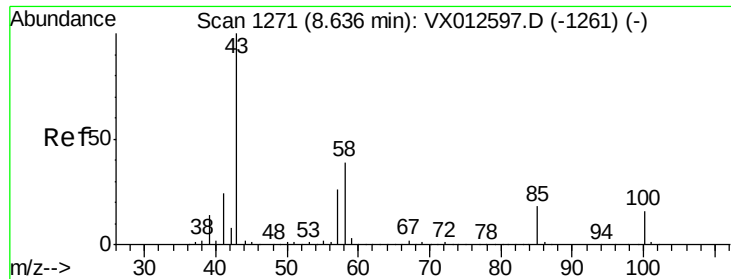
MMDadoda
10/3/2019 10:50:40 AM



#50
Toluene-d8
Concen: 49.297 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 91.755 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBSD01

Tot Ion: 43 Resp: 323210

Ion Ratio Lower Upper

43 100

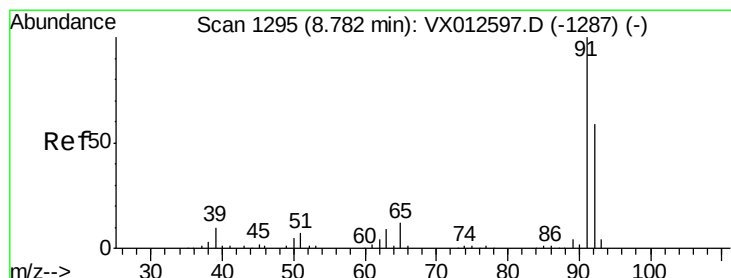
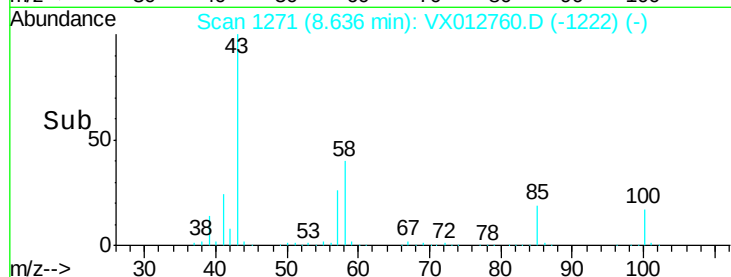
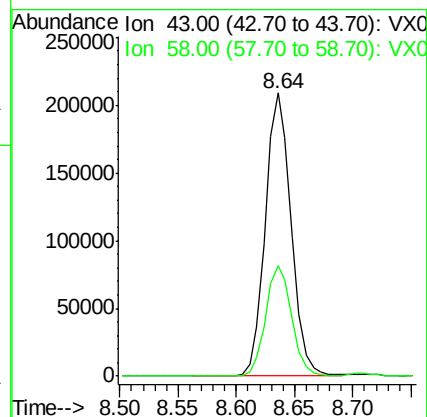
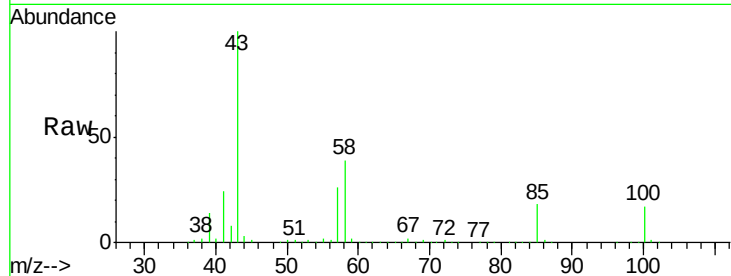
58 39.3 29.8 44.6

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10/3/2019 10:50:40 AM



#52

Toluene

Concen: 18.690 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012760.D

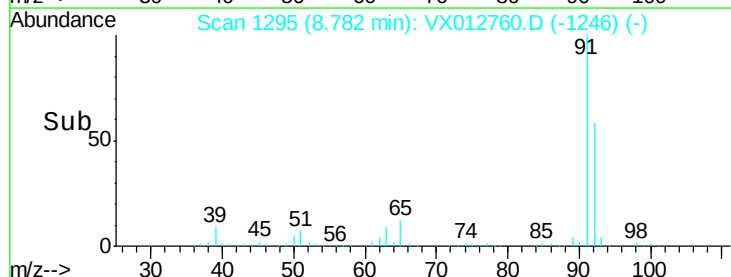
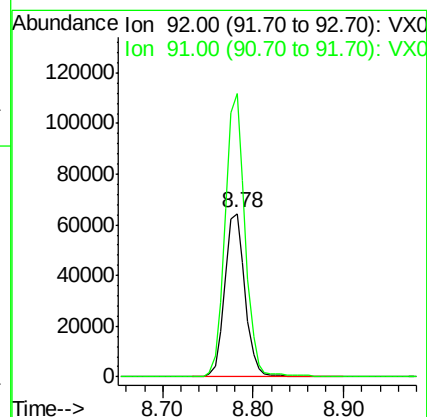
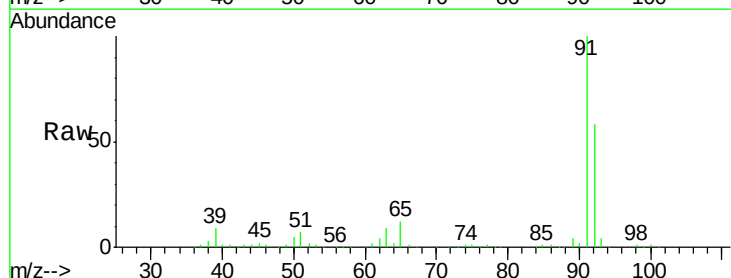
Acq: 02 Oct 2019 14:52

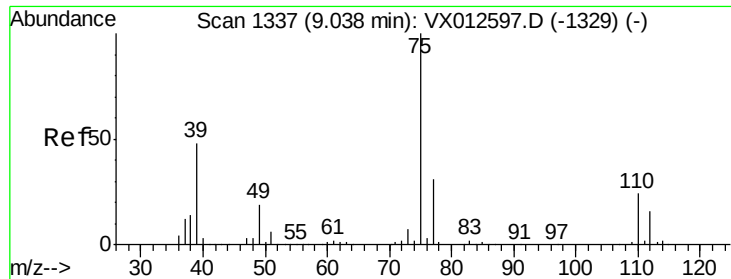
Tgt Ion: 92 Resp: 100880

Ion Ratio Lower Upper

92 100

91 170.2 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 17.559 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBSD01

Tot Ion: 75 Resp: 58124

Ion Ratio Lower Upper

75 100

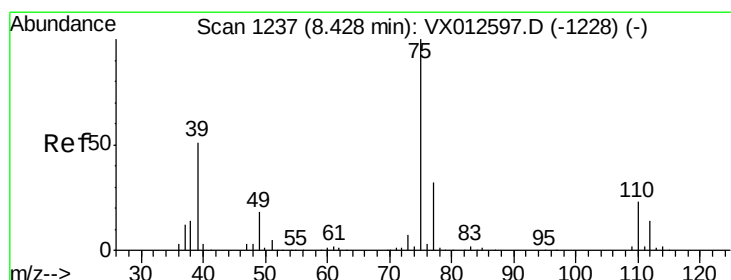
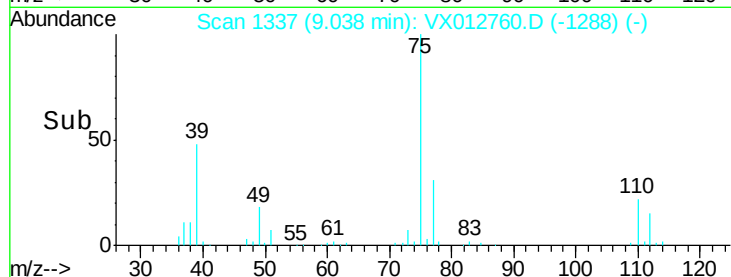
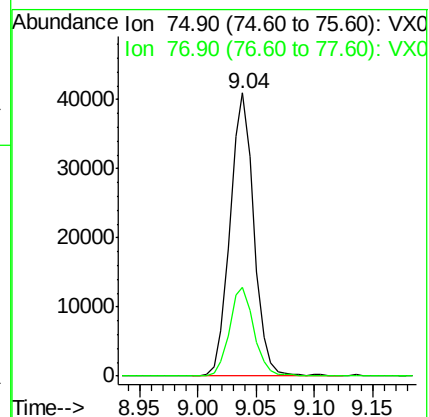
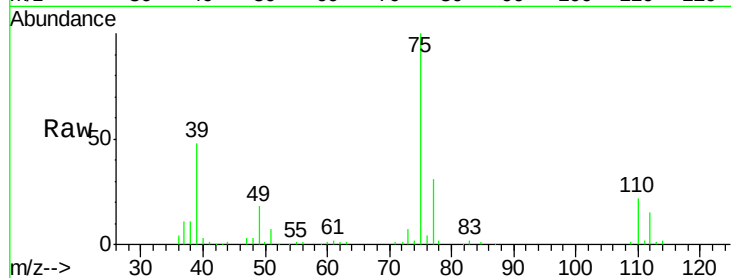
77 31.4 25.2 37.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 17.608 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

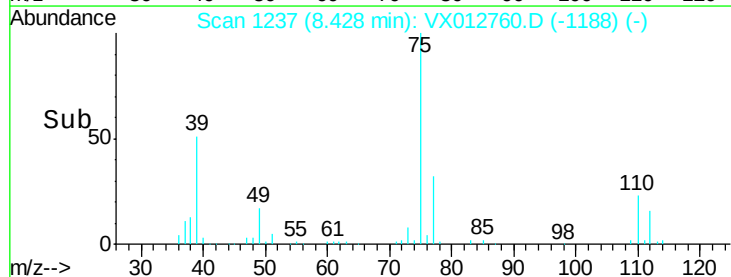
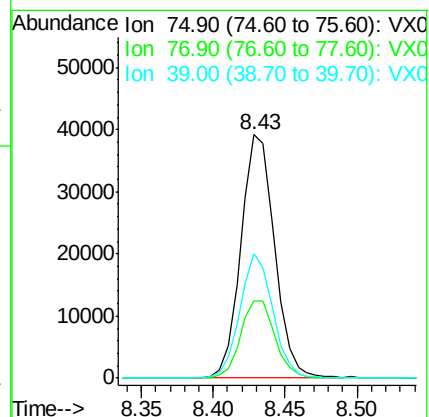
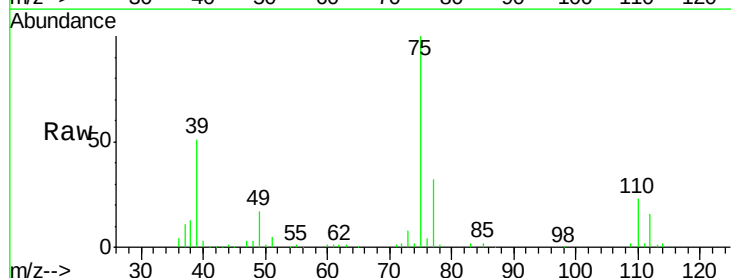
Tgt Ion: 75 Resp: 63641

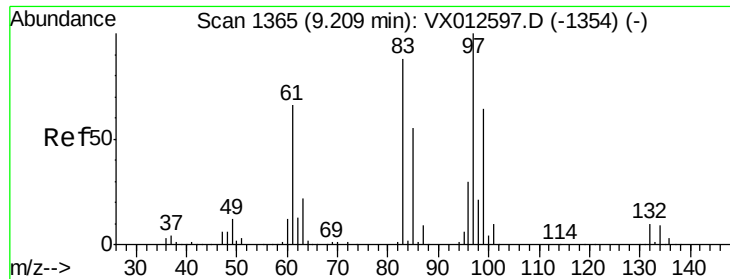
Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8

39 51.1 45.5 68.3





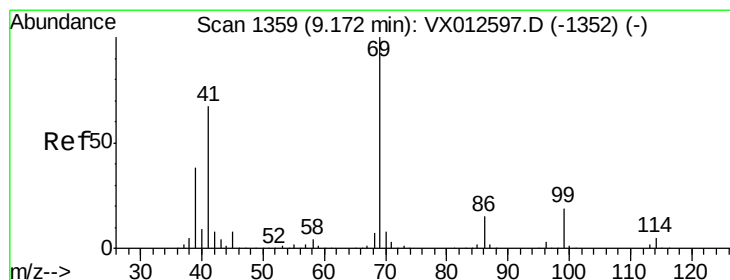
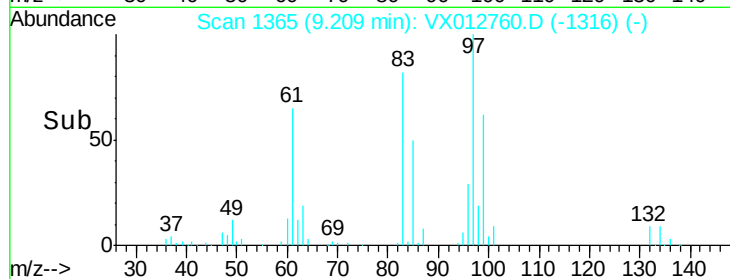
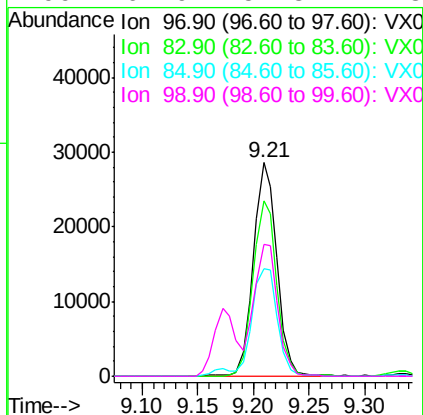
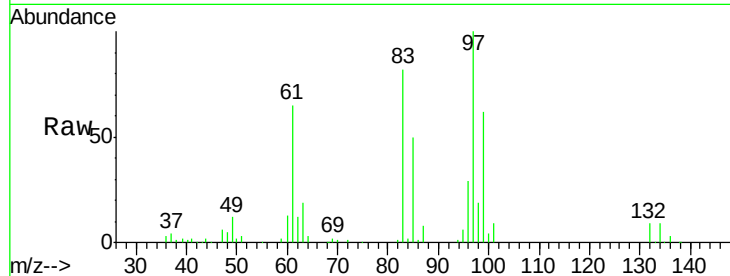
#55
 1,1,2-Trichloroethane
 Concen: 19.691 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012760.D
 Acq: 02 Oct 2019 14:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1002WBSD01

Tot Ion:	97	Resp:	42254
Ion	Ratio	Lower	Upper
97	100		
83	82.3	67.4	101.2
85	50.3	43.5	65.3
99	61.9	51.8	77.8

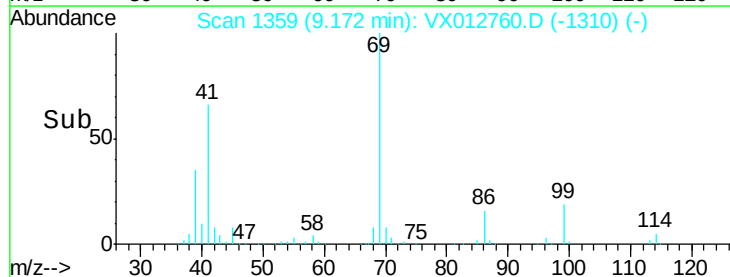
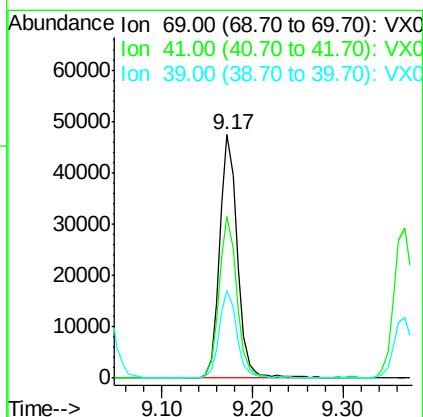
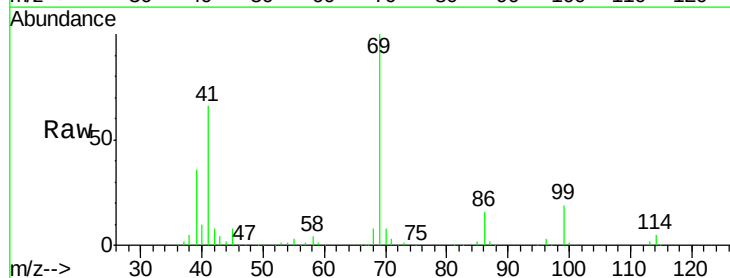
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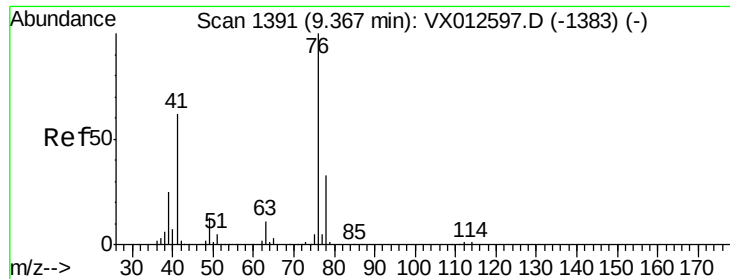
MMDadoda
 10/3/2019 10:50:40 AM



#56
 Ethyl methacrylate
 Concen: 18.014 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012760.D
 Acq: 02 Oct 2019 14:52

Tgt Ion:	69	Resp:	64943
Ion	Ratio	Lower	Upper
69	100		
41	66.3	58.4	87.6
39	35.0	33.4	50.0





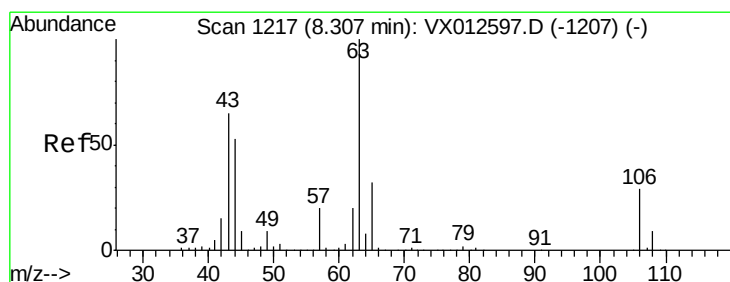
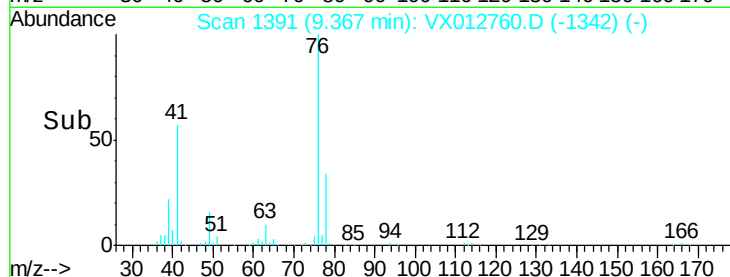
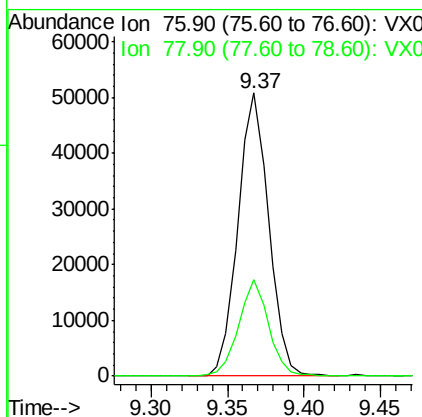
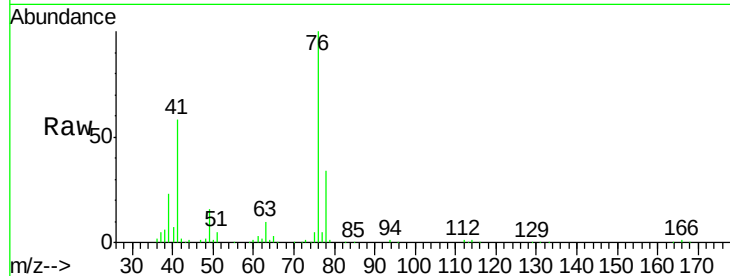
#57
 1,3-Dichloropropane
 Concen: 18.887 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012760.D
 Acq: 02 Oct 2019 14:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1002WBSD01

Tot Ion: 76 Resp: 70935
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.2 39.2

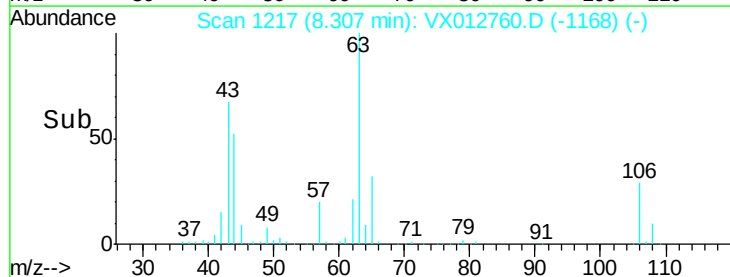
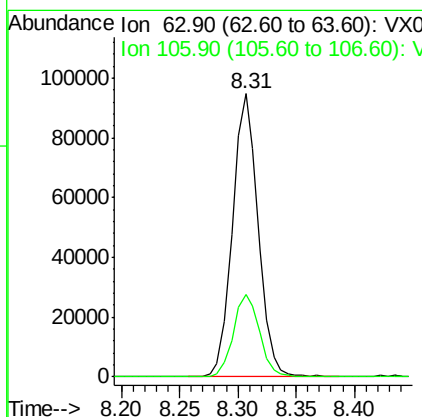
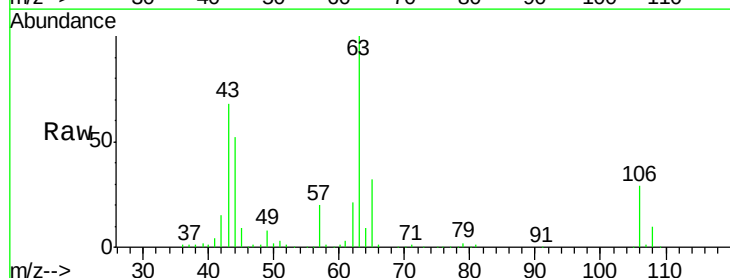
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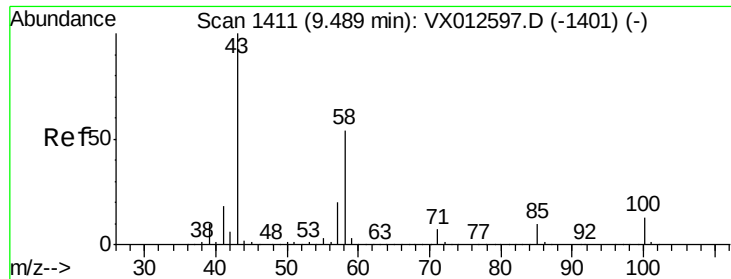
MMDadoda
 10/3/2019 10:50:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.820 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012760.D
 Acq: 02 Oct 2019 14:52

Tgt Ion: 63 Resp: 145351
 Ion Ratio Lower Upper
 63 100
 106 30.0 23.8 35.6





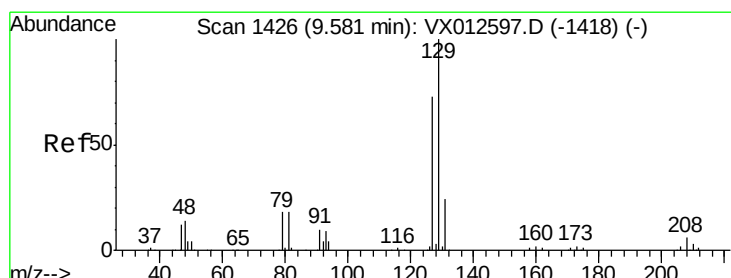
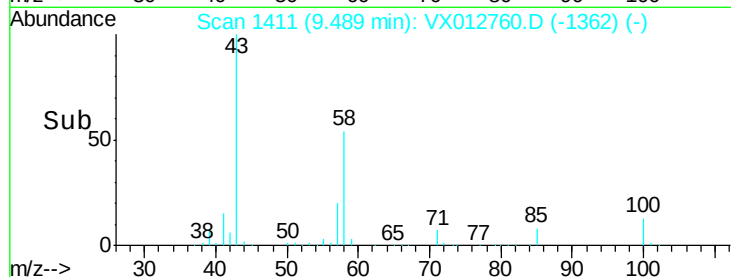
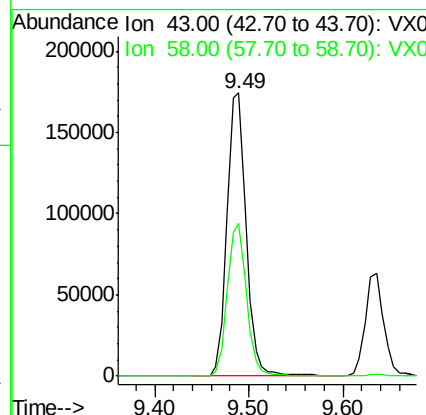
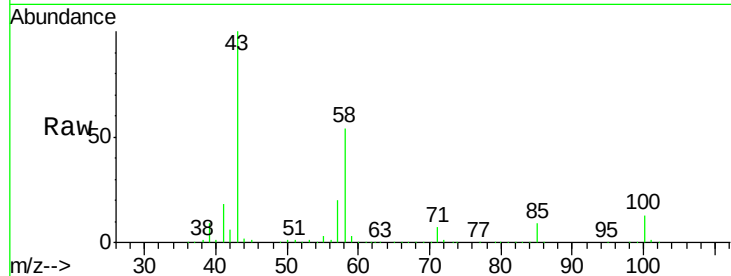
#59
2-Hexanone
Concen: 91.274 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion: 43 Resp: 246099
Ion Ratio Lower Upper
43 100
58 54.0 25.7 77.1

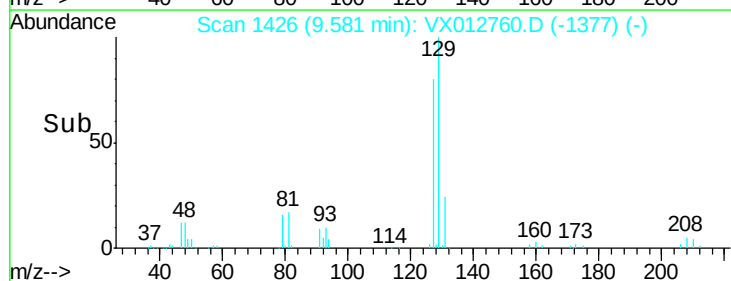
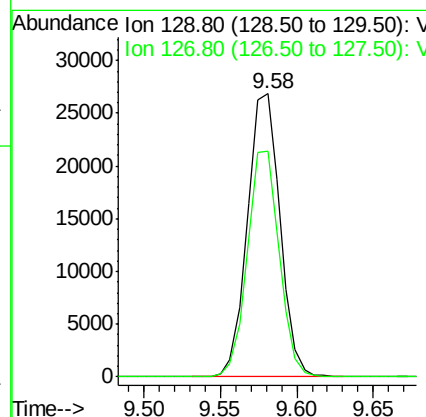
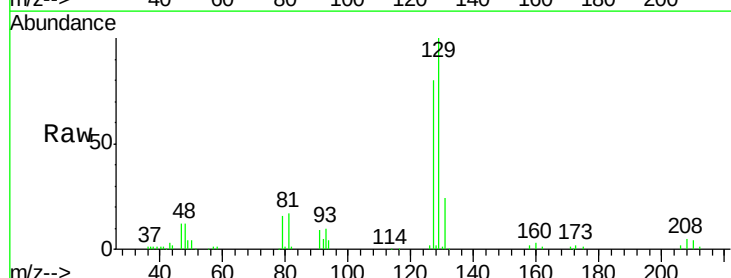
Manual Integrations
APPROVED

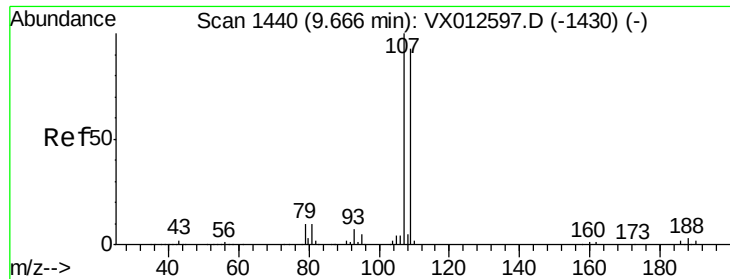
MMDadoda
10/3/2019 10:50:40 AM



#60
Dibromochloromethane
Concen: 18.350 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Tgt Ion: 129 Resp: 39862
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.6





#61

1,2-Dibromoethane

Concen: 19.230 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBSD01

Tot Ion:107 Resp: 42946

Ion Ratio Lower Upper

107 100

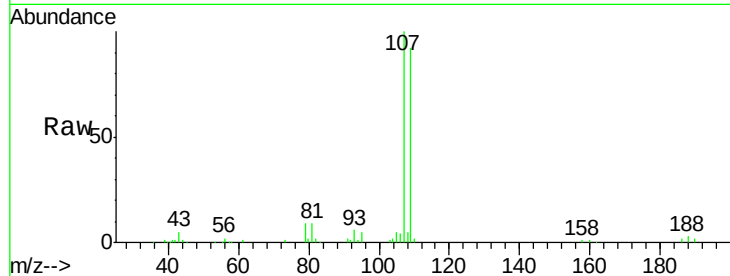
109 93.1 74.7 112.1

Manual Integrations

APPROVED

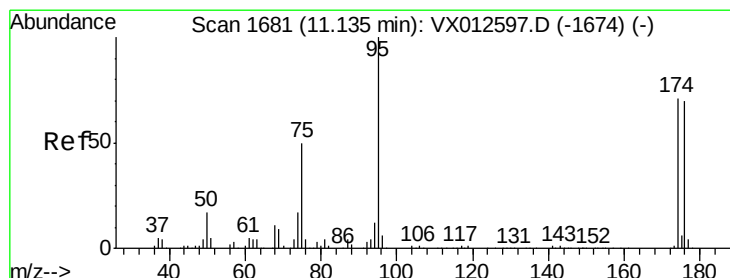
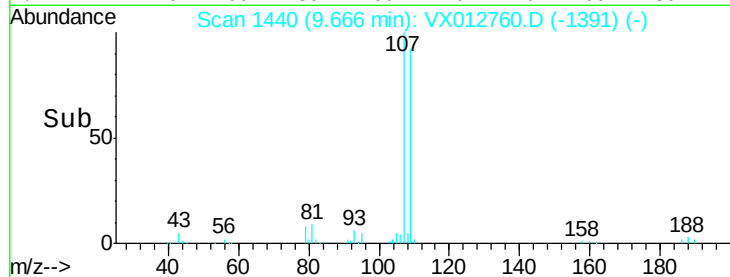
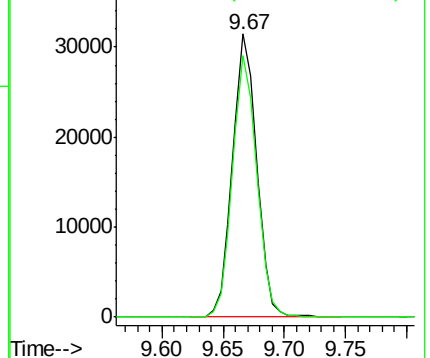
MMDadoda

10/3/2019 10:50:40 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.204 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

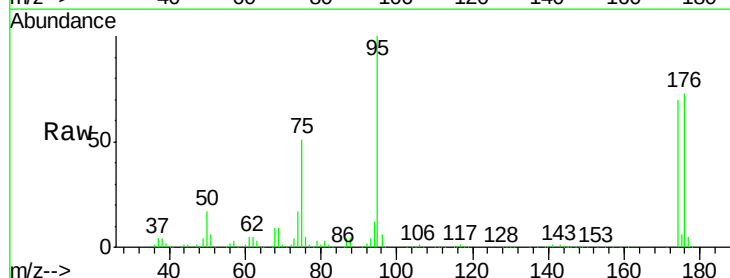
Tgt Ion: 95 Resp: 126172

Ion Ratio Lower Upper

95 100

174 70.4 0.0 140.0

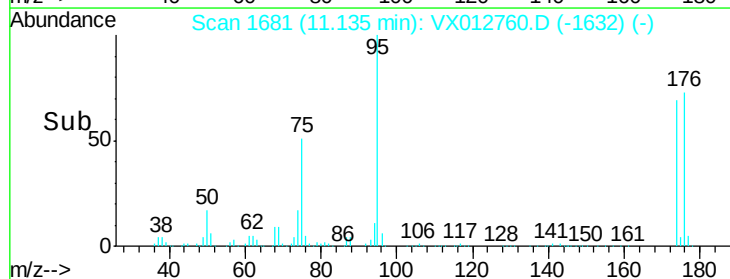
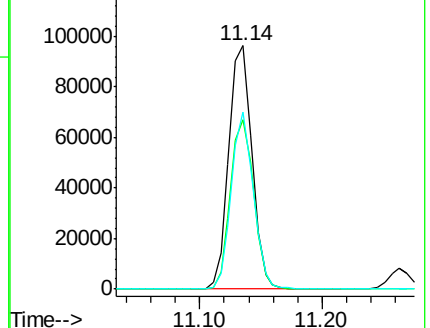
176 69.0 0.0 135.4

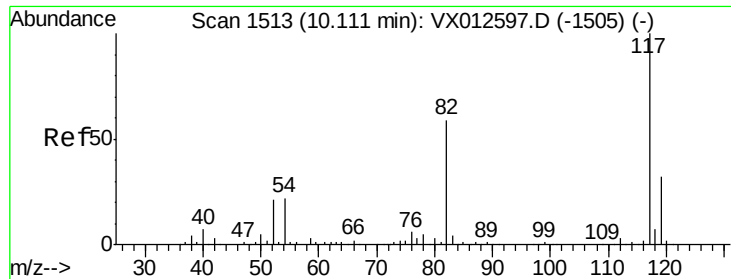


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





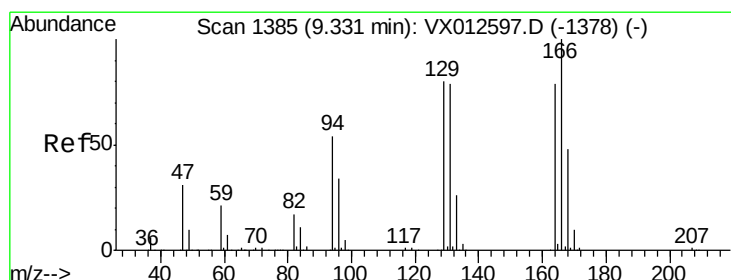
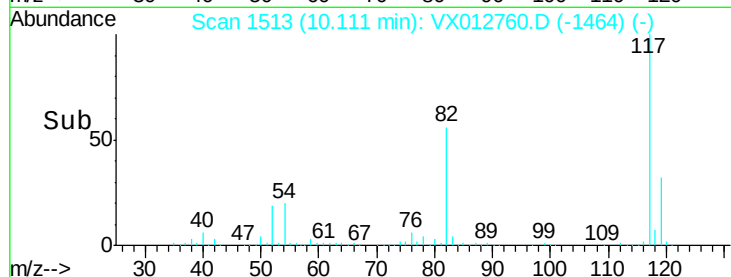
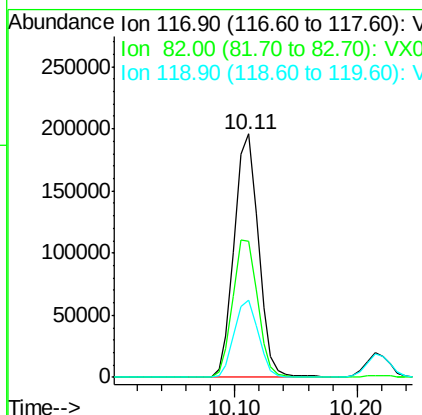
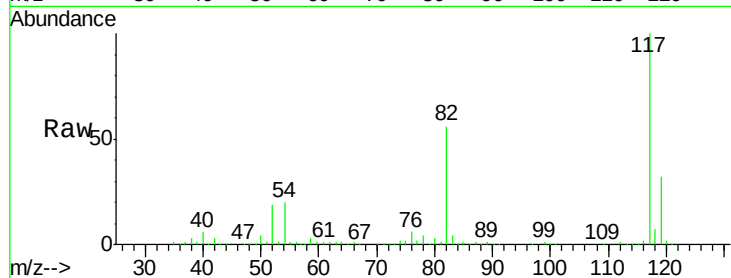
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	45.9	68.9
119	31.9	25.3	37.9

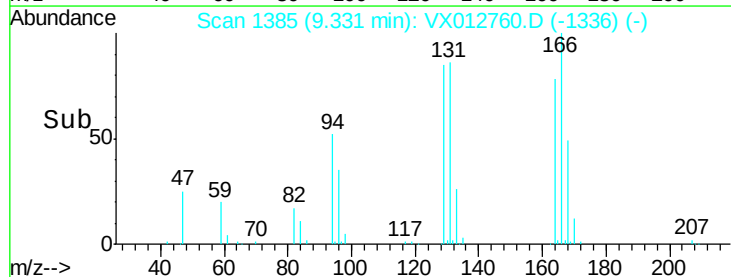
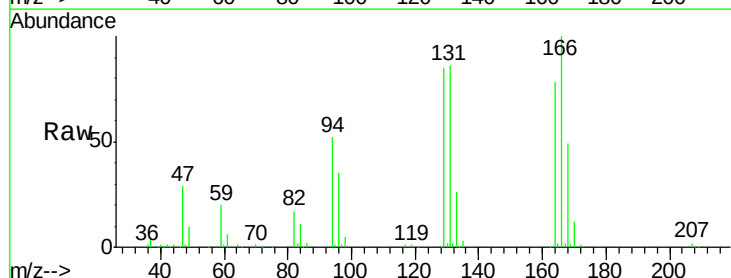
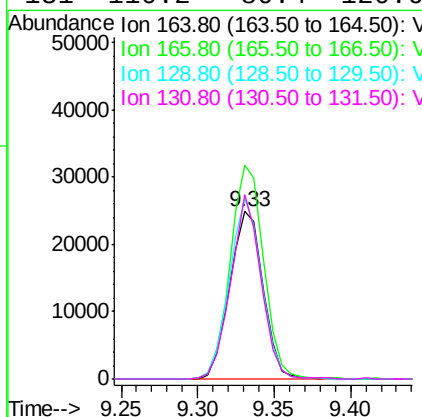
Manual Integrations
APPROVED

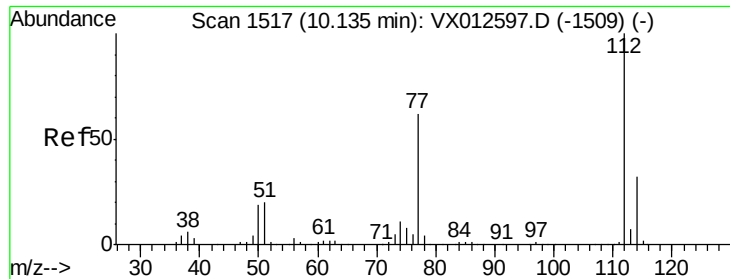
MMDadoda
10/3/2019 10:50:40 AM



#64
Tetrachloroethene
Concen: 20.086 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	107.8	161.6
129	108.0	86.2	129.2
131	110.2	80.4	120.6





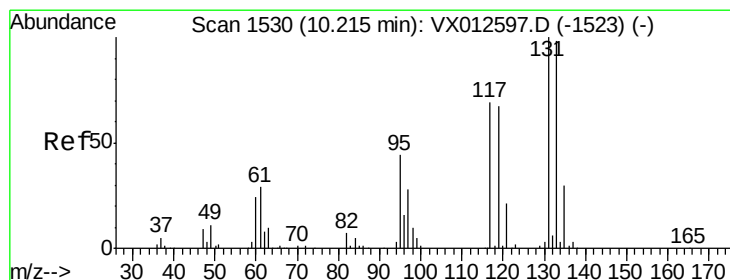
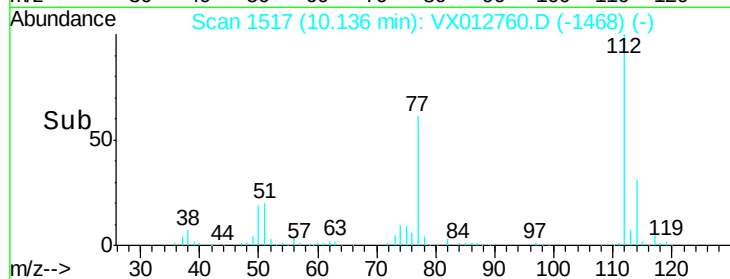
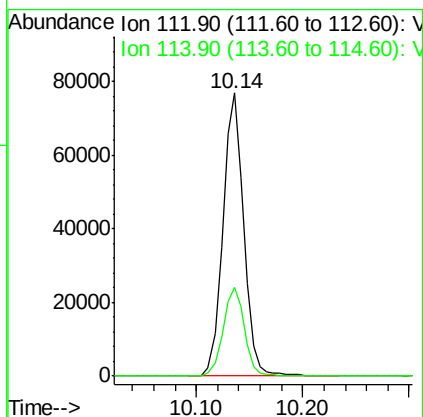
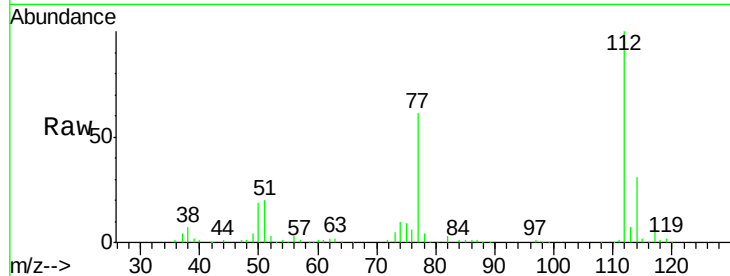
#65
Chlorobenzene
Concen: 18.499 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion:112 Resp: 104833
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.0

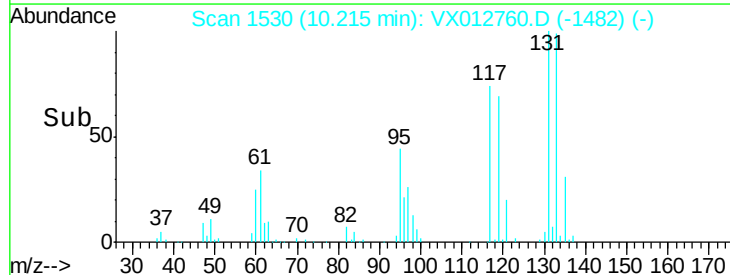
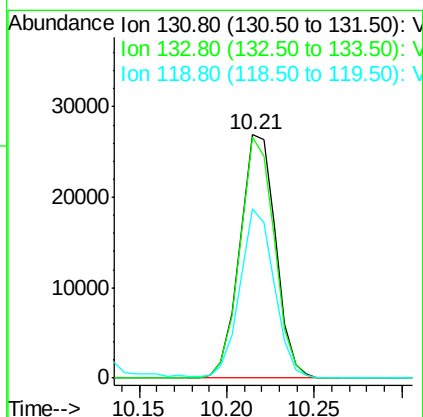
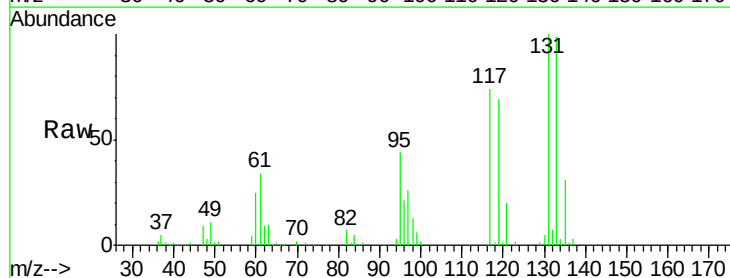
Manual Integrations
APPROVED

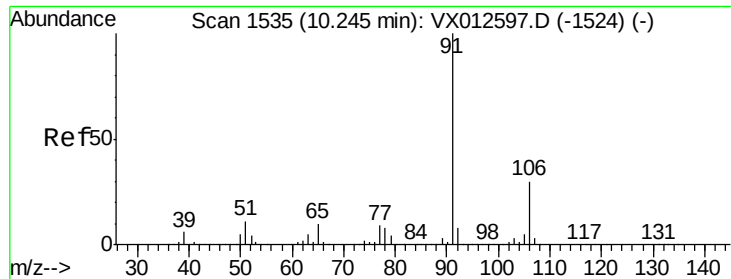
MMDadoda
10/3/2019 10:50:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.643 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Tgt Ion:131 Resp: 38278
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.9
119 66.8 31.3 93.8





#67

Ethyl Benzene

Concen: 18.425 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBSD01

Tot Ion: 91 Resp: 189379

Ion Ratio Lower Upper

91 100

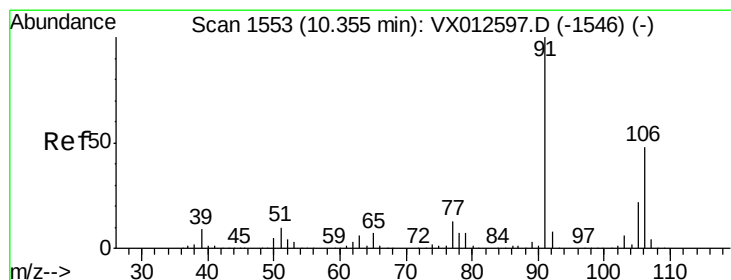
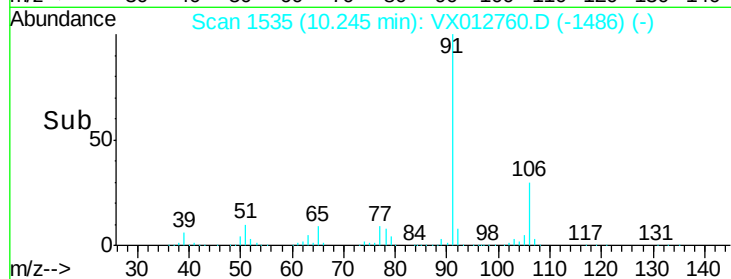
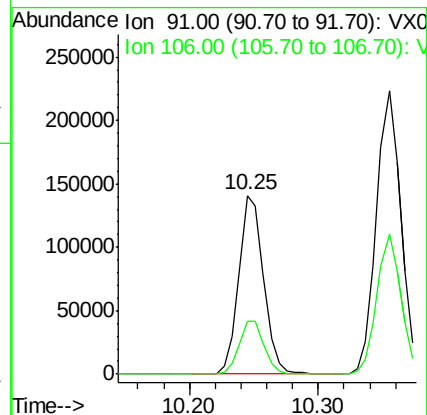
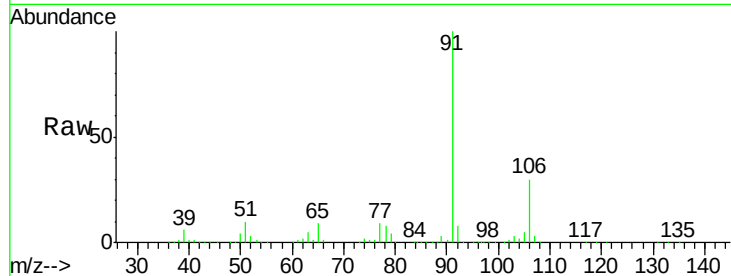
106 29.8 24.6 37.0

Manual Integrations

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10/3/2019 10:50:40 AM



#68

m/p-Xylenes

Concen: 37.287 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012760.D

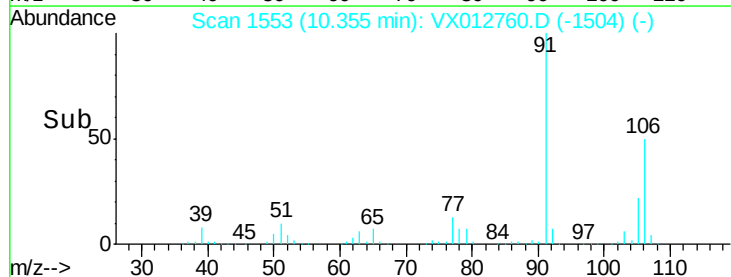
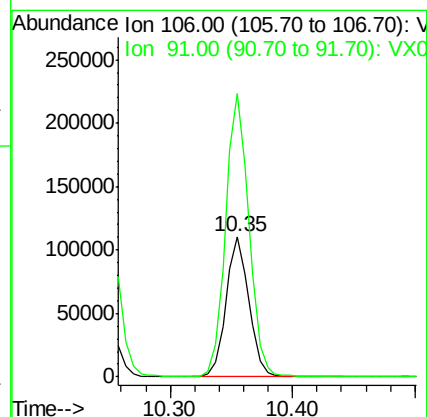
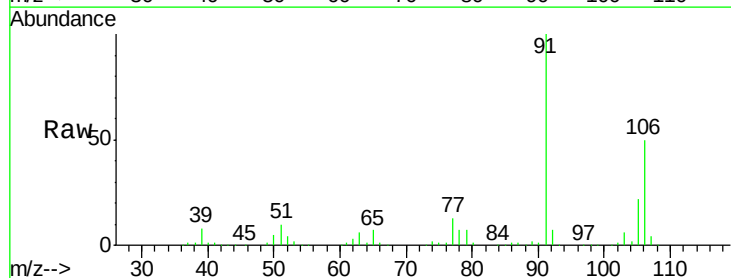
Acq: 02 Oct 2019 14:52

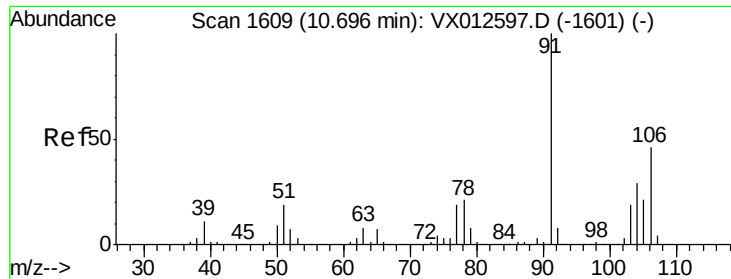
Tgt Ion: 106 Resp: 143565

Ion Ratio Lower Upper

106 100

91 204.5 166.6 250.0





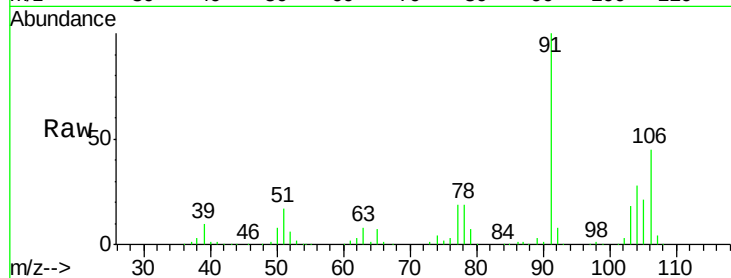
#69
o-Xylene
Concen: 18.562 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

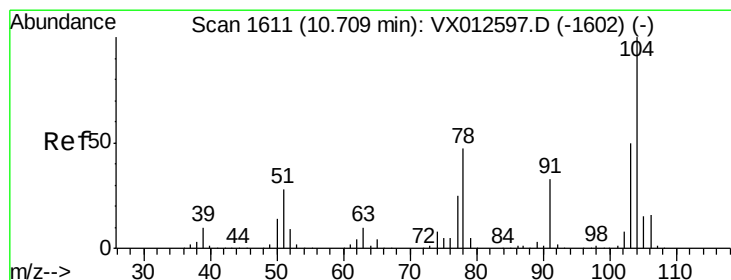
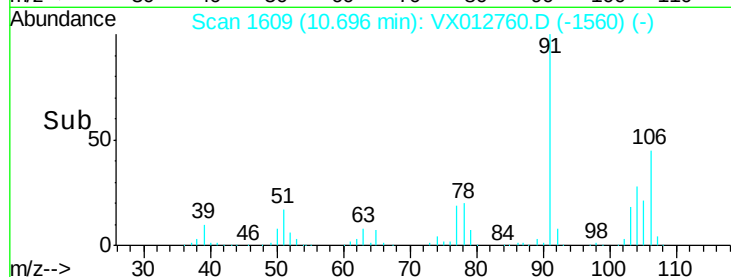
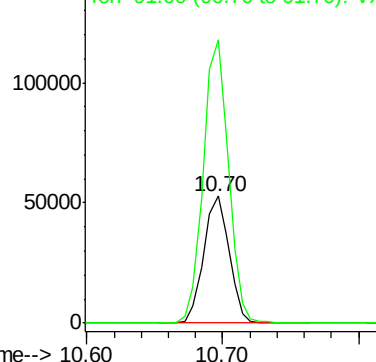
Tot Ion:106 Resp: 69155
Ion Ratio Lower Upper
106 100
91 220.3 109.4 328.2

Manual Integrations
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10/3/2019 10:50:40 AM

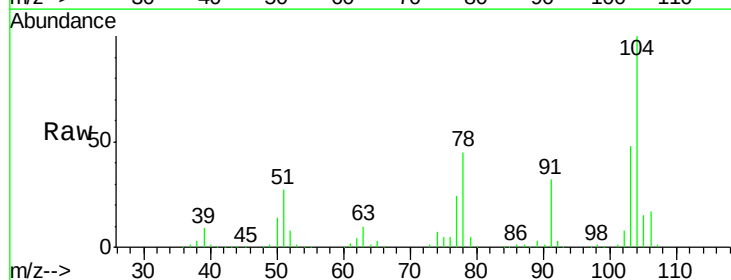


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

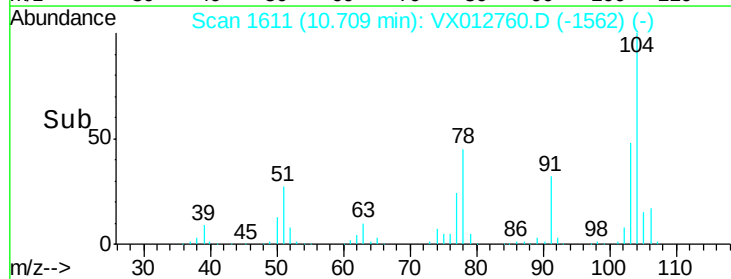
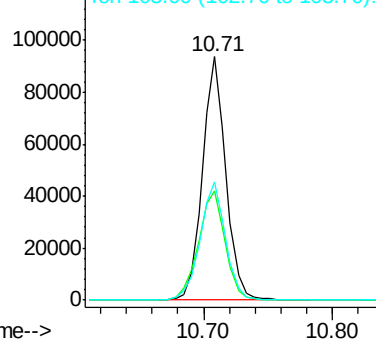


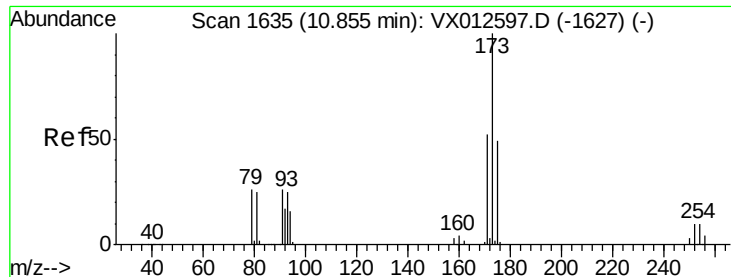
#70
Styrene
Concen: 18.887 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Tgt Ion:104 Resp: 117960
Ion Ratio Lower Upper
104 100
78 51.8 43.4 65.2
103 53.3 43.3 64.9



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: 17.631 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBSD01

Tot Ion:173 Resp: 25207

Ion Ratio Lower Upper

173 100

175 47.4 23.7 71.1

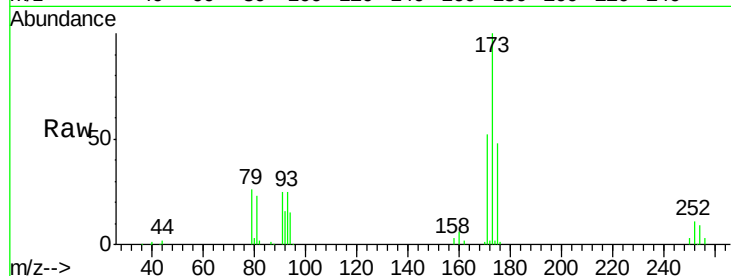
254 0.0 0.1 0.1#

Manual Integrations

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MMDadoda

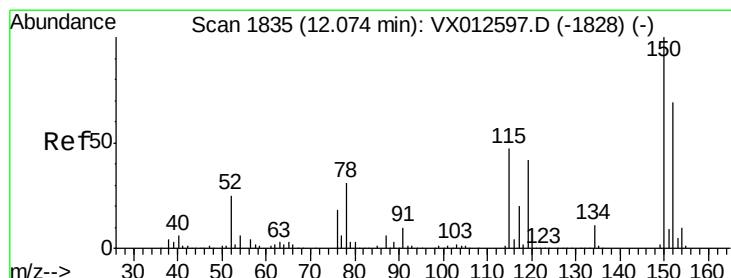
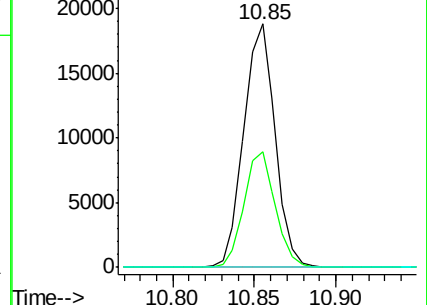
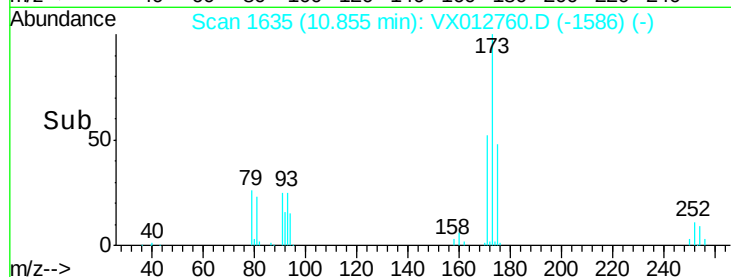
10/3/2019 10:50:40 AM



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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

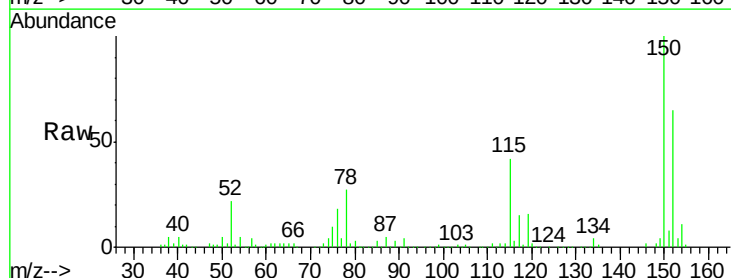
Tgt Ion:152 Resp: 121765

Ion Ratio Lower Upper

152 100

115 73.0 44.1 132.3

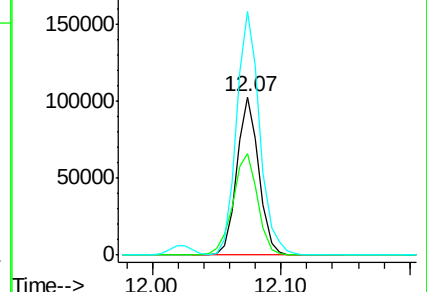
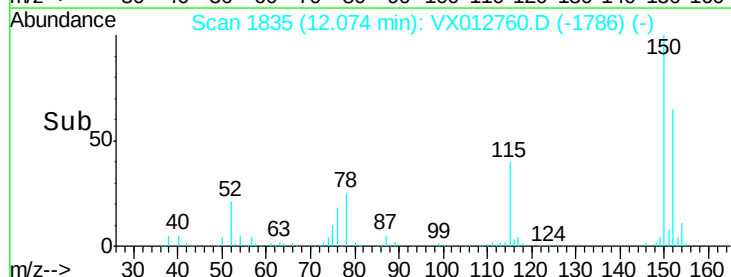
150 163.8 0.0 343.8

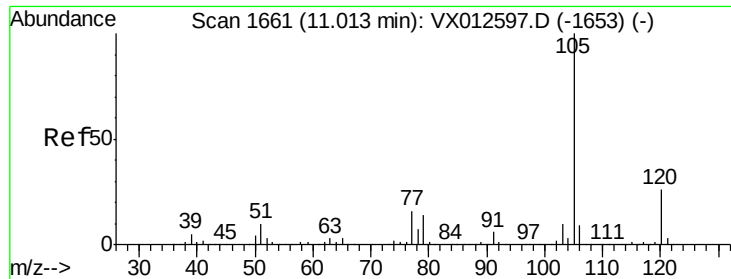


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.667 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBSD01

Tot Ion: 105 Resp: 185123

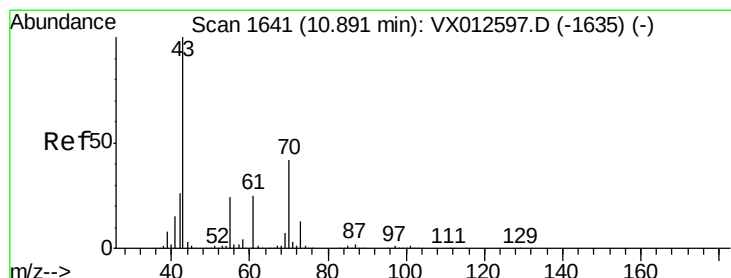
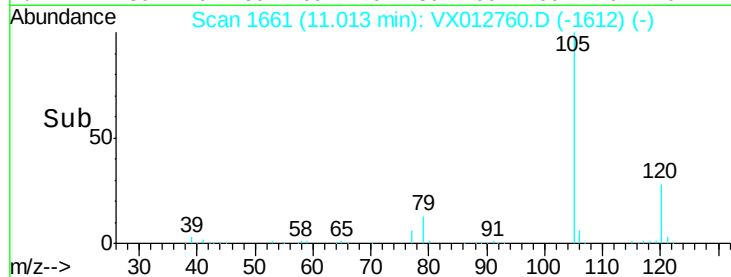
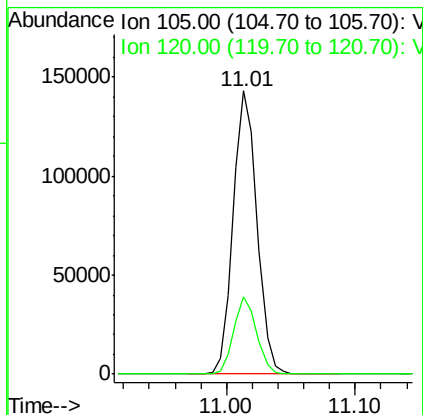
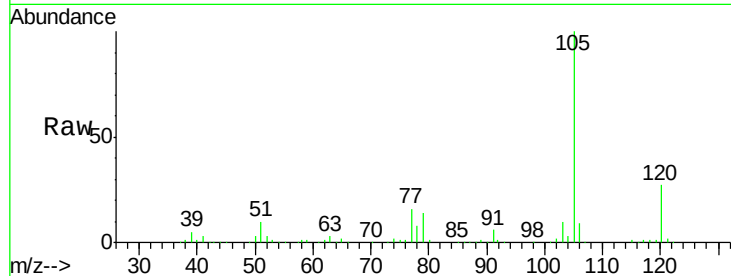
Ion Ratio Lower Upper

105 100

120 26.2 12.9 38.7

Manual Integrations
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MMDadoda
10/3/2019 10:50:40 AM



#74

N-ethyl acetate

Concen: 17.095 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Tgt Ion: 43 Resp: 80881

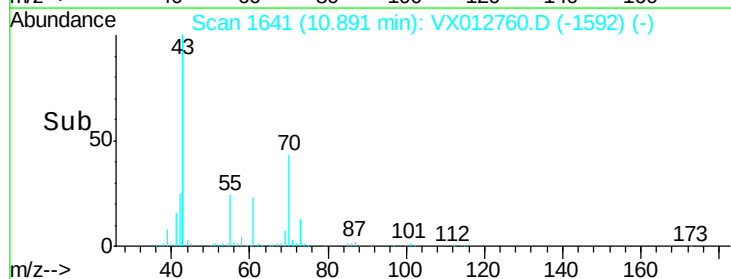
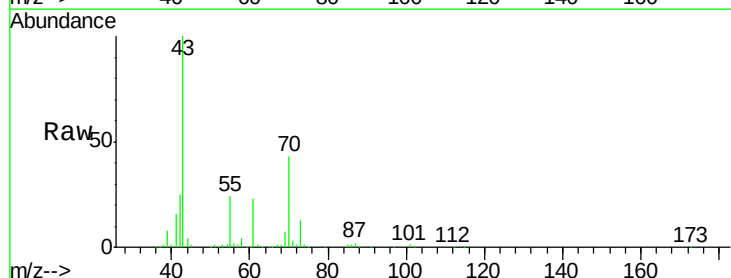
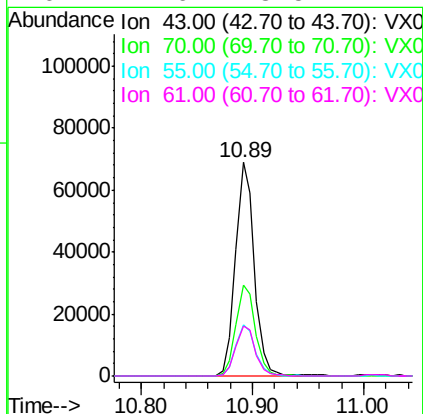
Ion Ratio Lower Upper

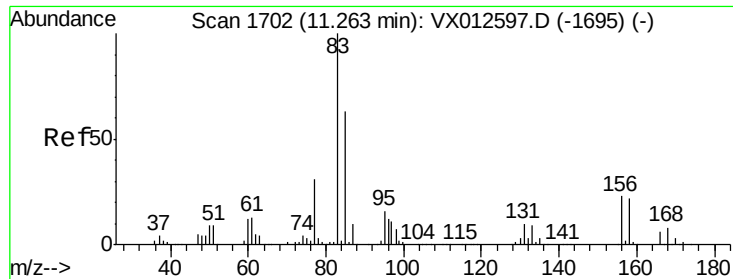
43 100

70 44.2 32.4 48.6

55 24.9 18.2 27.4

61 24.6 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.184 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Instrument :

MSVOA_X

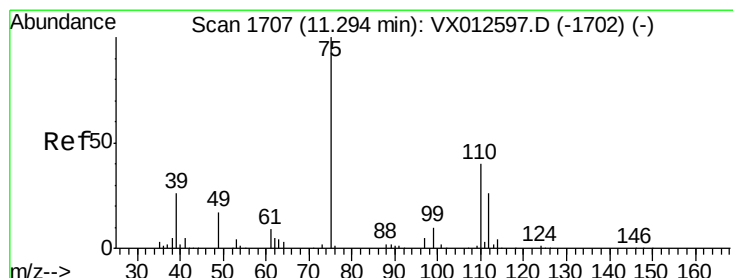
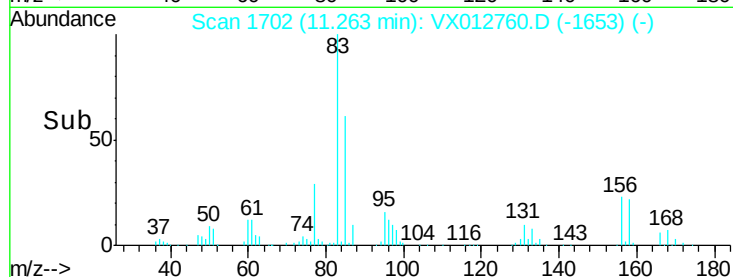
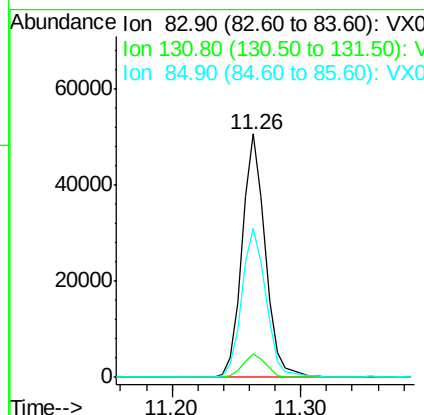
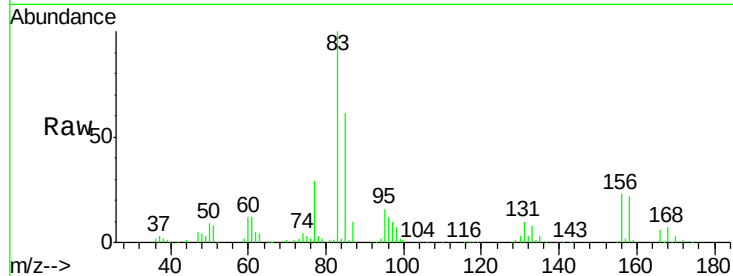
ClientSampleId :

VX1002WBSD01

Tot Ion:	83	Resp:	63009
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.2	15.6
85	64.1	32.0	96.0

Manual Integrations
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MMDadoda
10/3/2019 10:50:40 AM



#76

1,2,3-Trichloropropane

Concen: 18.402 ug/l m

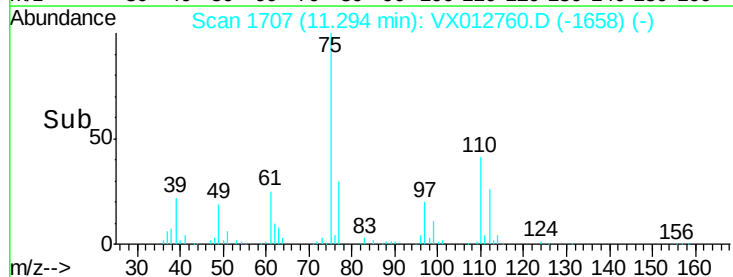
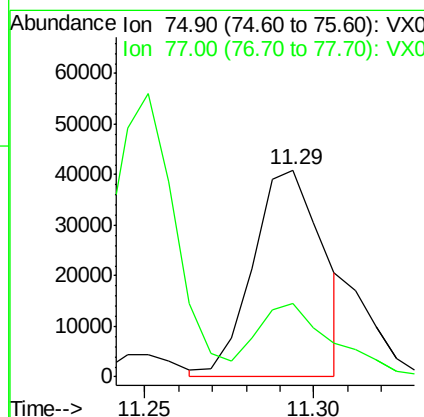
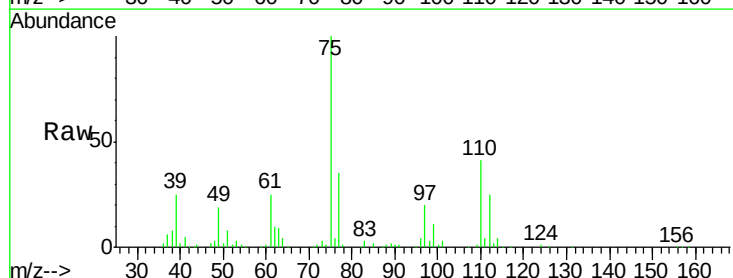
RT: 11.29 min Scan# 1707

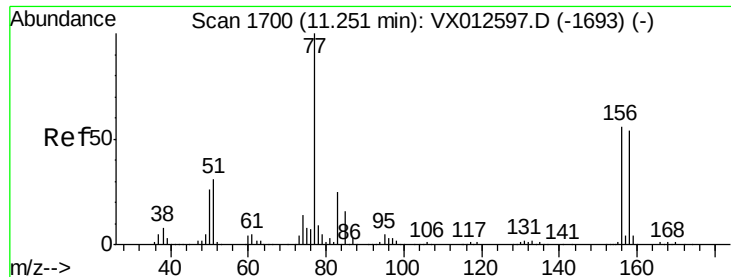
Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Tgt Ion:	75	Resp:	59273
Ion Ratio	Lower	Upper	
75	100		
77	38.7	19.7	59.0





#77

Bromobenzene

Concen: 19.297 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Instrument :

MSVOA_X

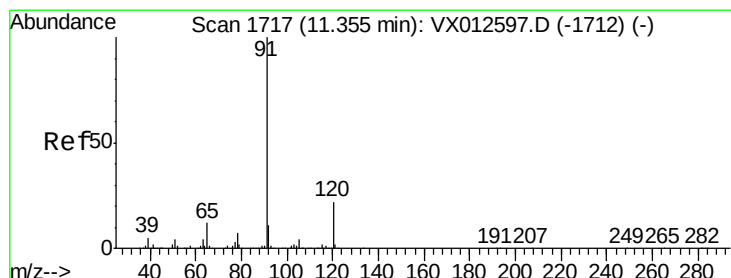
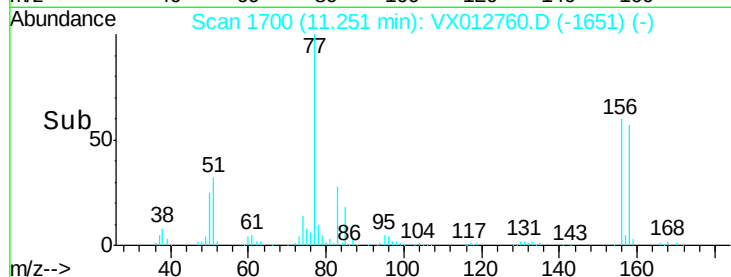
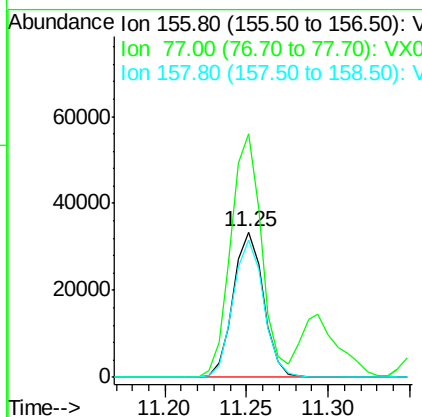
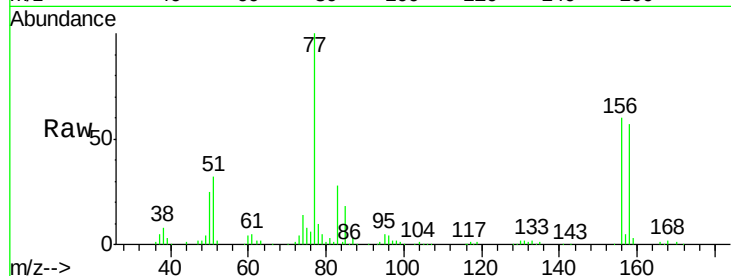
ClientSampleId :

VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.9	87.3	261.8
158	95.7	48.5	145.6

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#78

n-propylbenzene

Concen: 18.304 ug/l

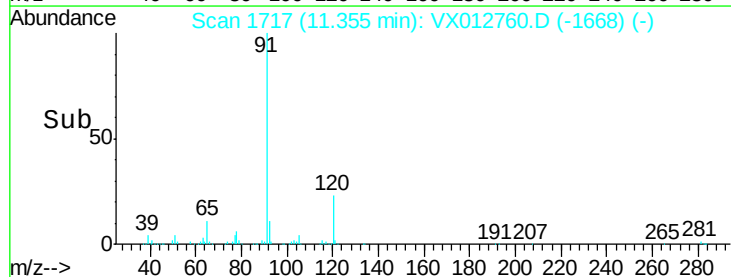
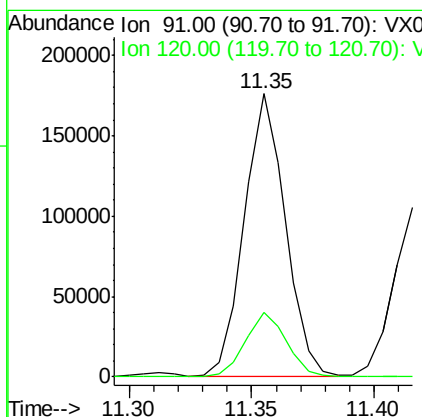
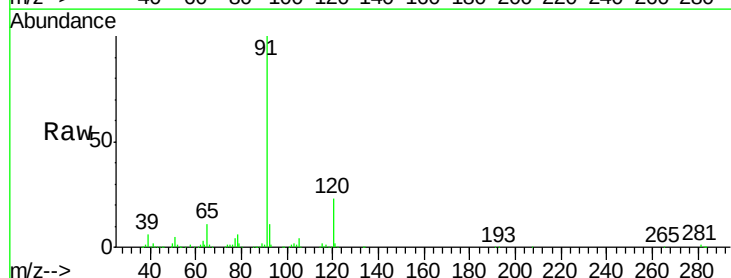
RT: 11.35 min Scan# 1717

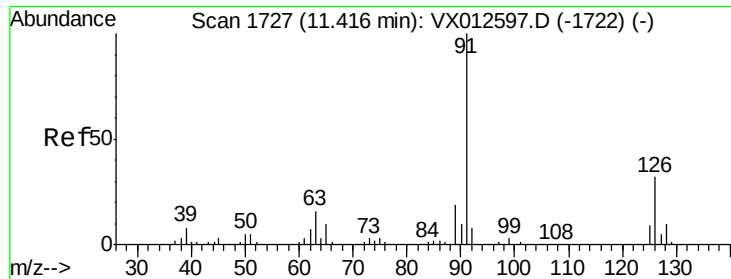
Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.3	33.8





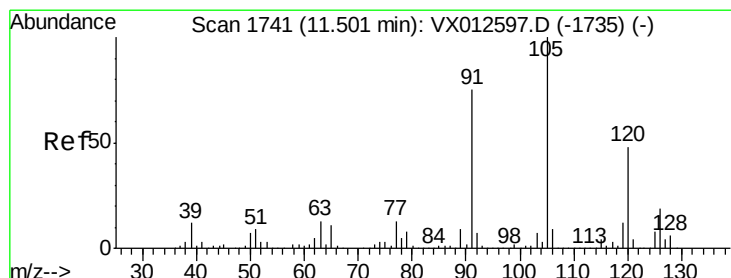
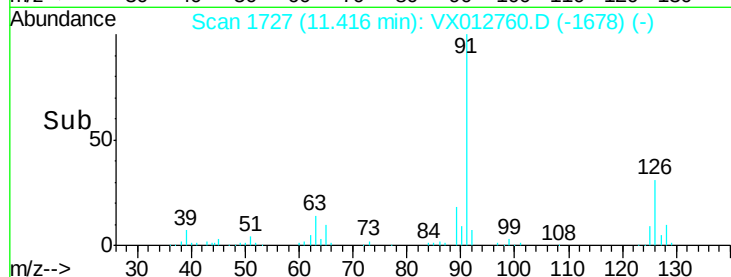
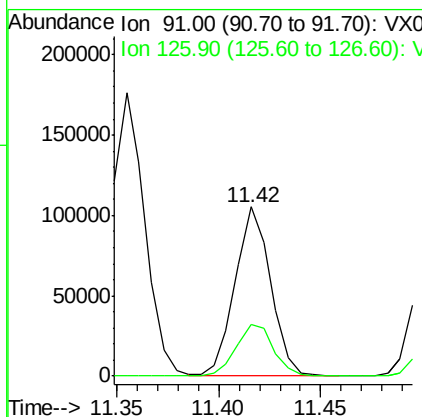
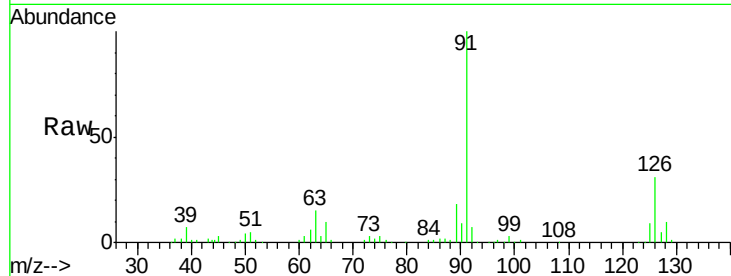
#79
2-Chlorotoluene
Concen: 18.150 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion: 91 Resp: 126416
Ion Ratio Lower Upper
91 100
126 32.6 16.4 49.4

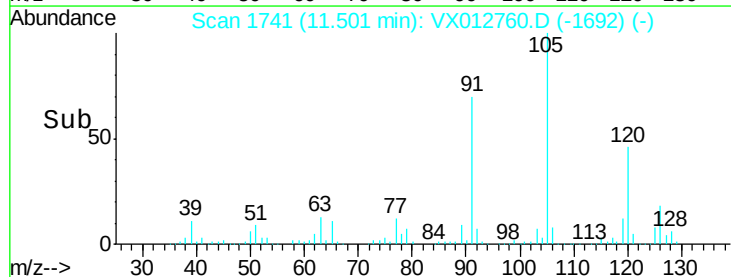
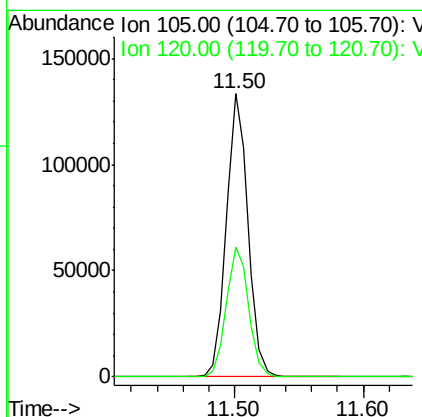
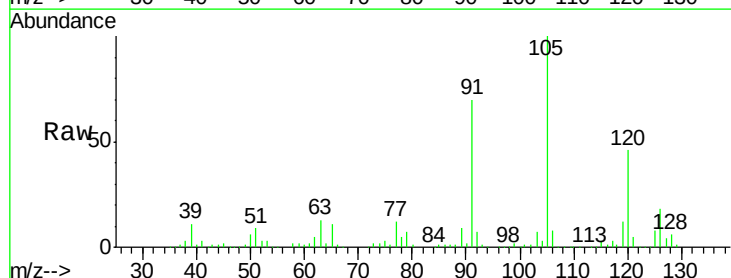
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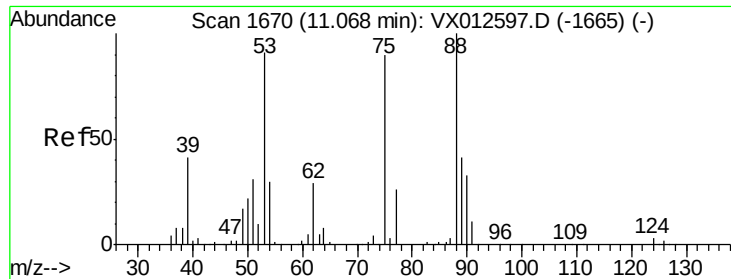
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 19.007 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Tgt Ion: 105 Resp: 158073
Ion Ratio Lower Upper
105 100
120 47.1 24.3 72.8





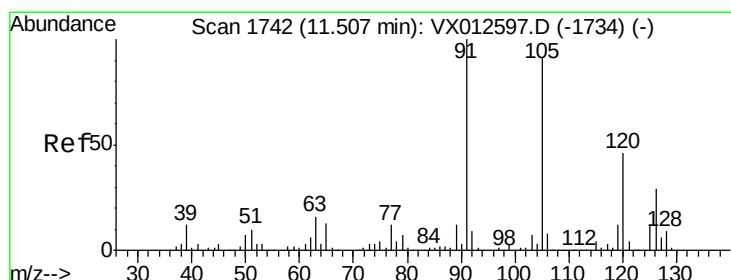
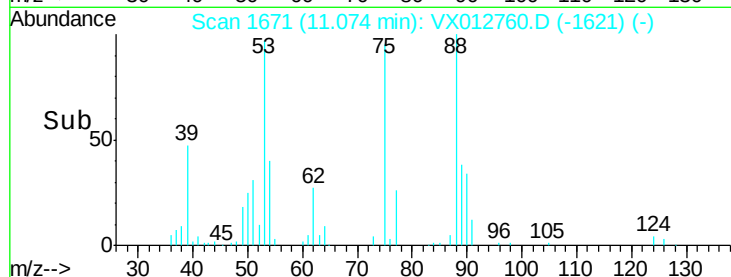
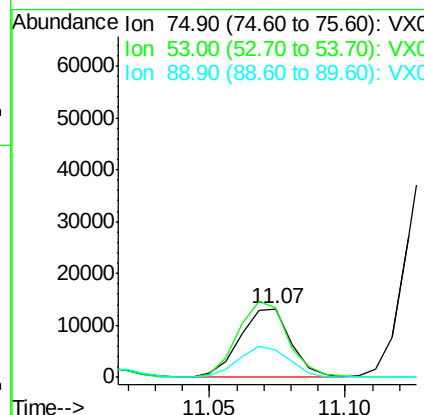
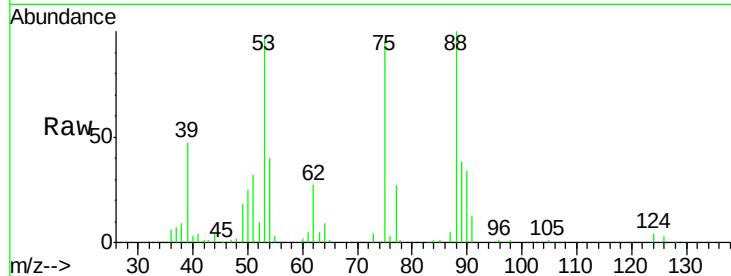
#81
trans-1,4-Dichloro-2-butene
Concen: 15.076 ug/l
RT: 11.07 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion: 75 Resp: 16945
Ion Ratio Lower Upper
75 100
53 112.3 83.6 125.4
89 46.1 36.3 54.5

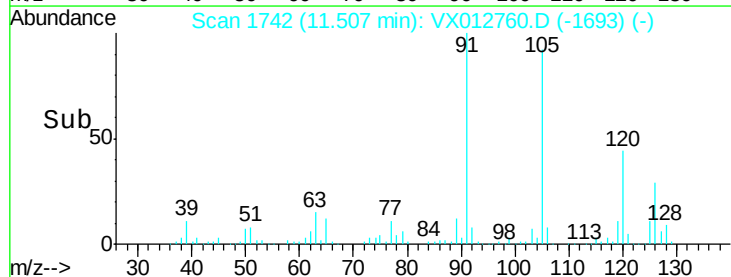
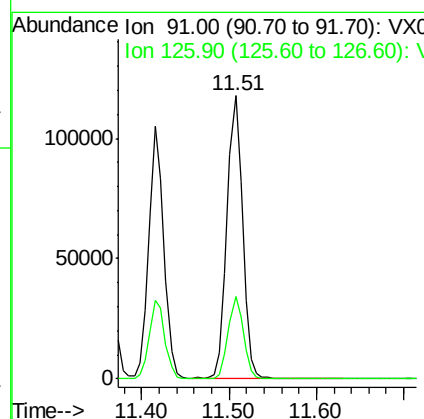
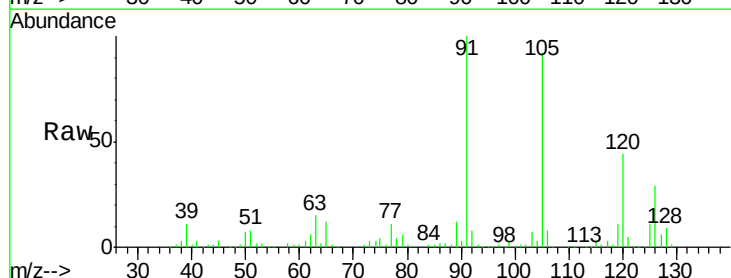
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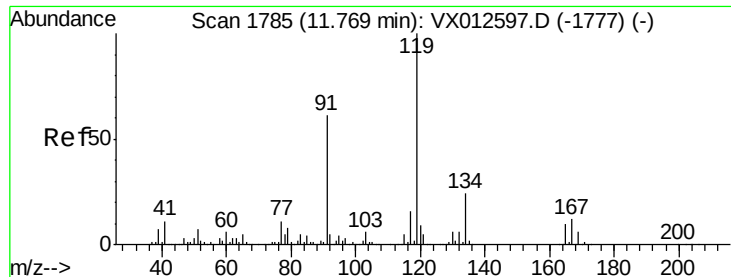
MMDadoda
10/3/2019 10:50:40 AM



#82
4-Chlorotoluene
Concen: 18.312 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX012760.D
Acq: 02 Oct 2019 14:52

Tgt Ion: 91 Resp: 145394
Ion Ratio Lower Upper
91 100
126 28.4 14.4 43.0





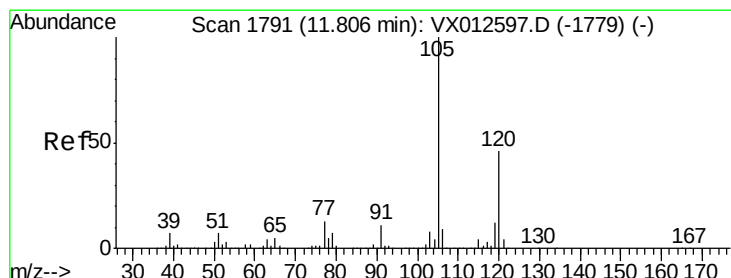
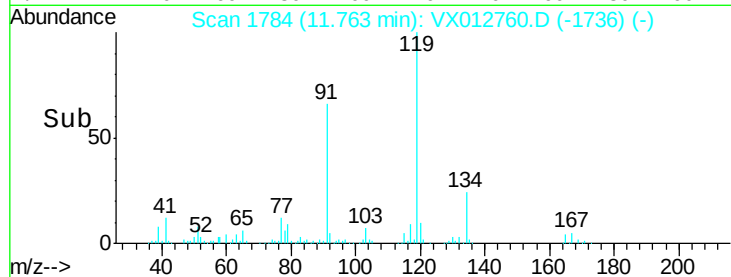
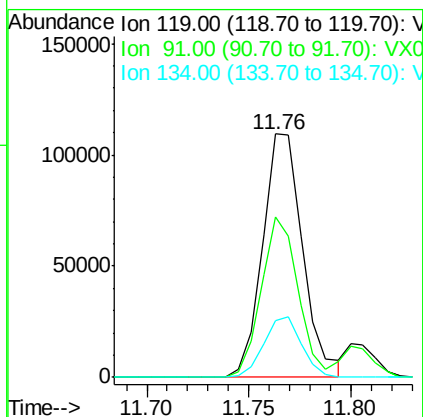
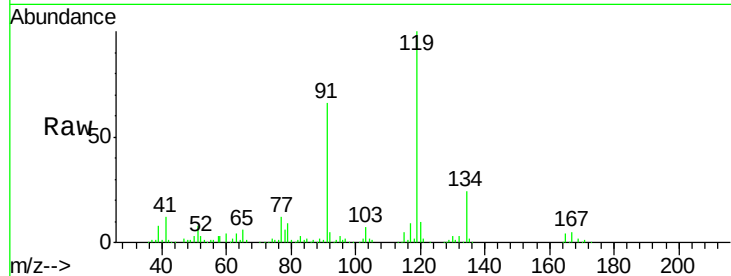
#83
 tert-Butylbenzene
 Concen: 18.778 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012760.D
 Acq: 02 Oct 2019 14:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1002WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	150643		
91	60.3	30.0	90.0	
134	23.7	11.3	33.9	

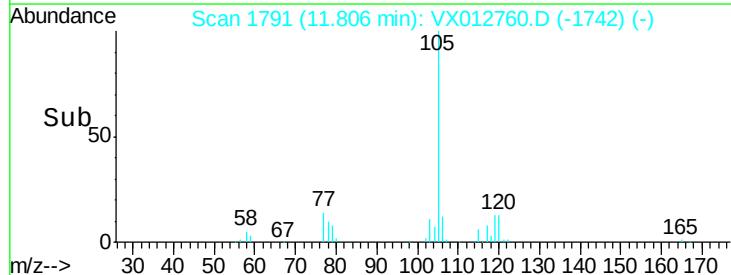
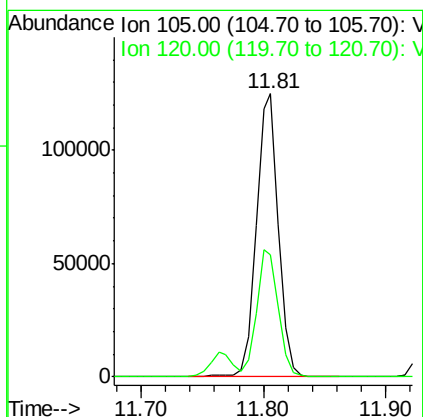
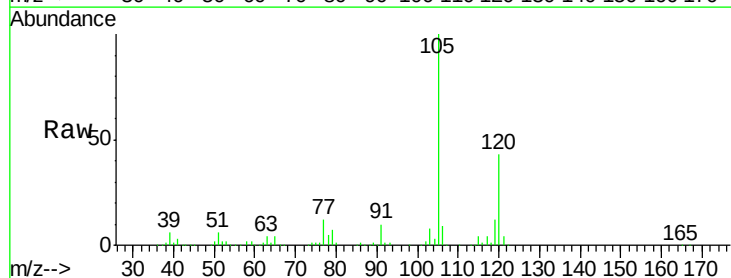
Manual Integrations
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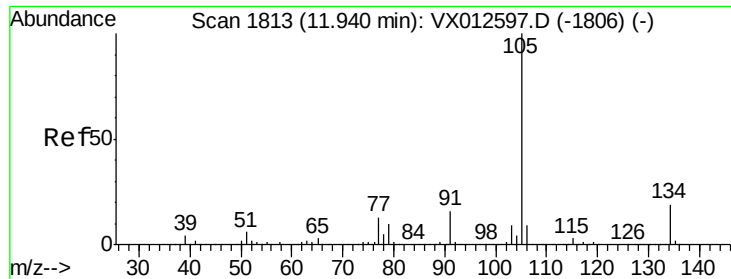
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.718 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX012760.D
 Acq: 02 Oct 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	157034		
120	44.3	22.2	66.6	





#85

sec-Butylbenzene

Concen: 19.020 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBSD01

Tot Ion:105 Resp: 177472

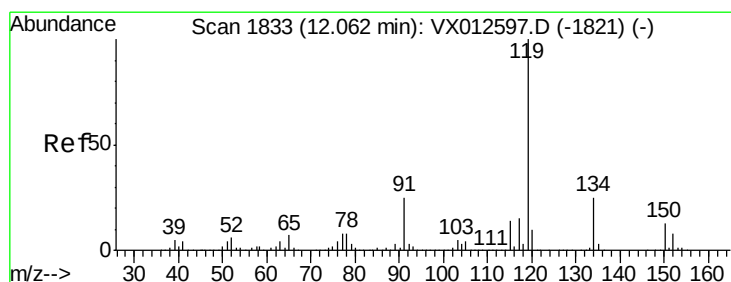
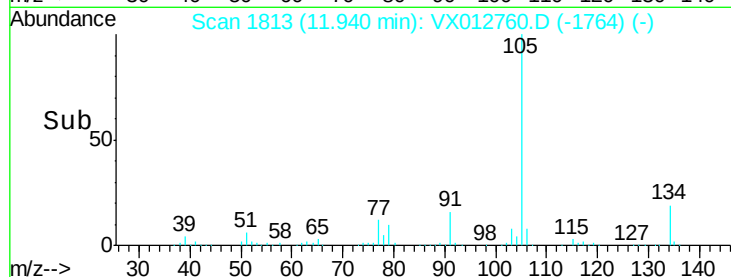
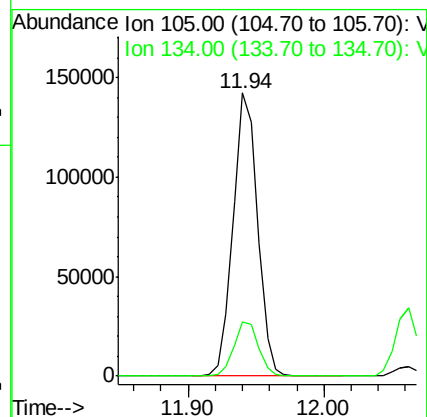
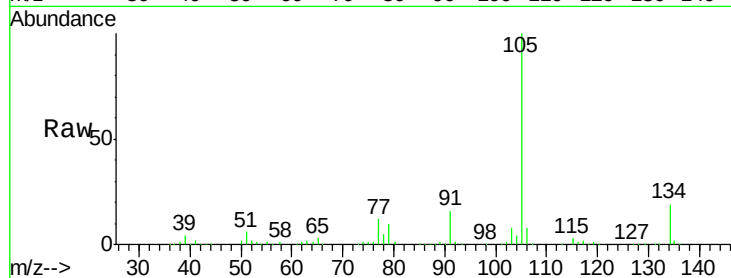
Ion Ratio Lower Upper

105 100

134 19.2 9.8 29.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 18.582 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

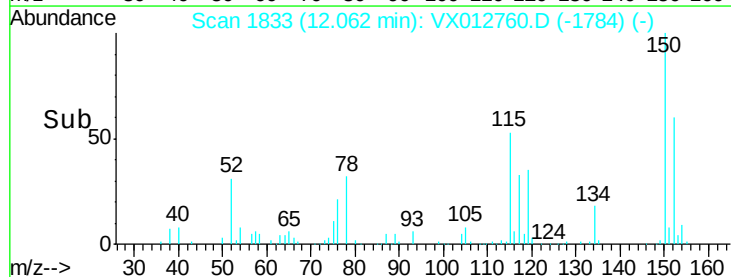
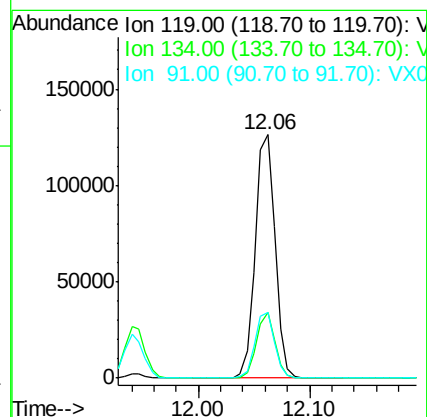
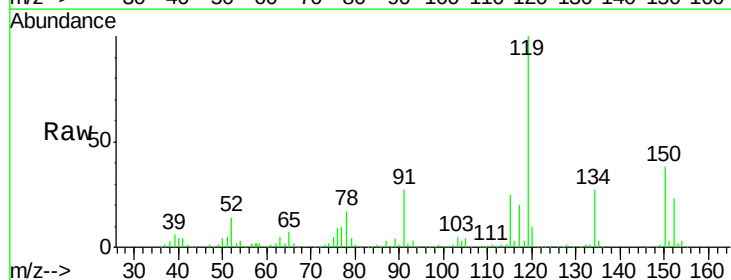
Tgt Ion:119 Resp: 156448

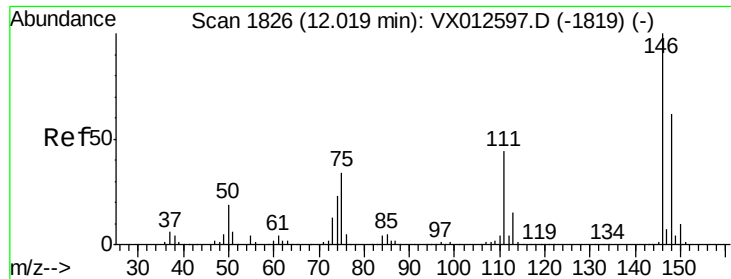
Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.1

91 26.5 12.8 38.4





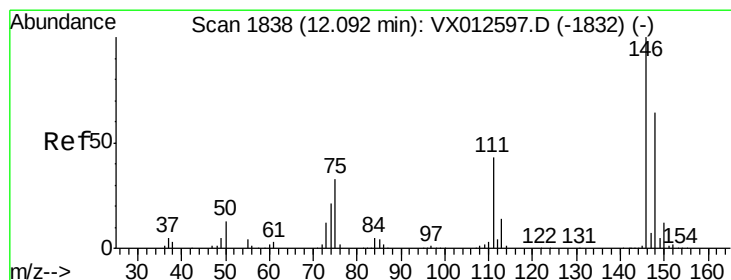
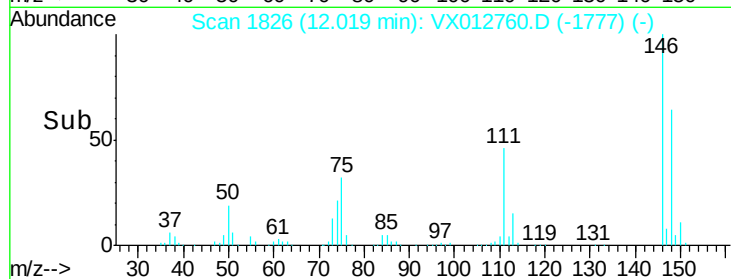
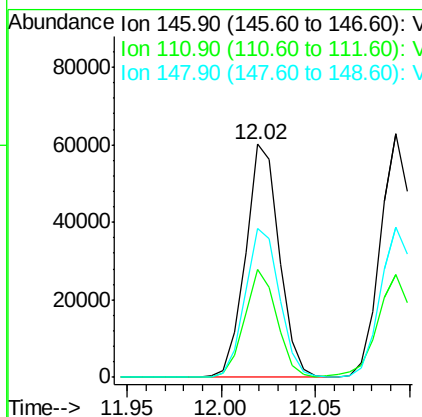
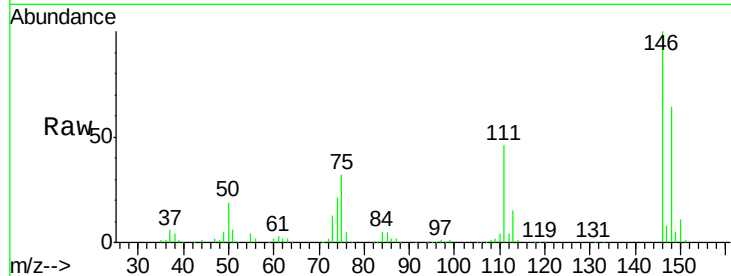
#87
 1,3-Dichlorobenzene
 Concen: 18.478 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012760.D
 Acq: 02 Oct 2019 14:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.3	64.0
148	65.2	32.4	97.2

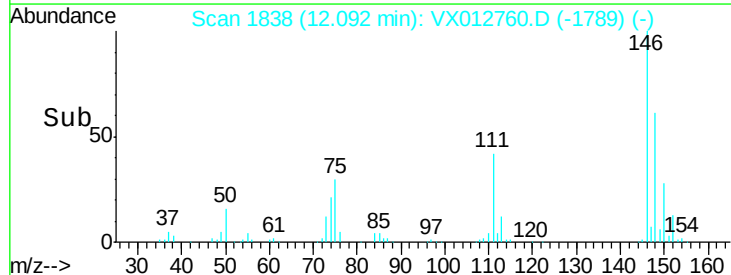
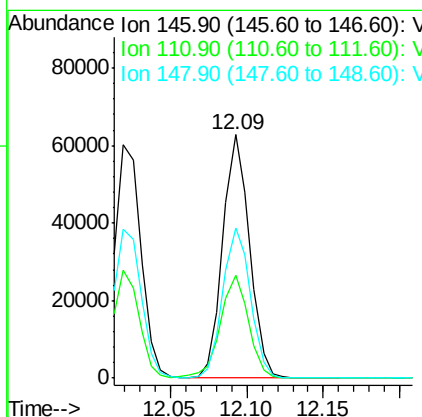
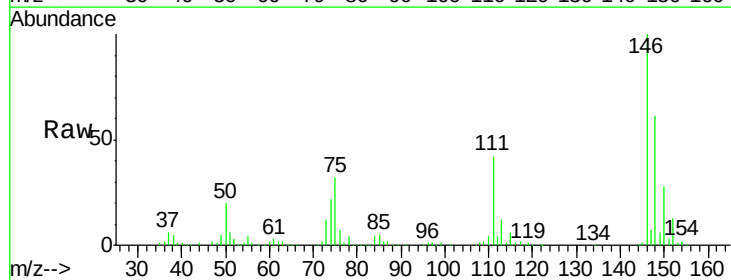
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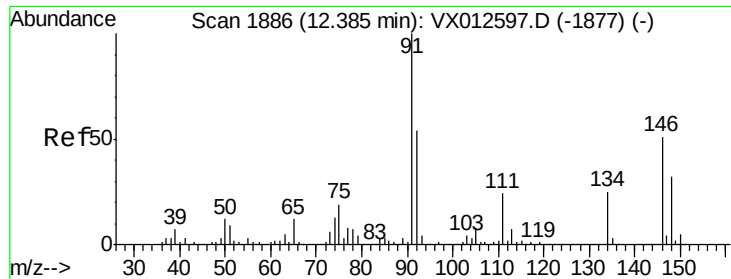
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#88
 1,4-Dichlorobenzene
 Concen: 18.691 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012760.D
 Acq: 02 Oct 2019 14:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.1	63.3
148	63.7	32.1	96.5





#89

n-Butylbenzene

Concen: 17.614 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Instrument :

MSVOA_X

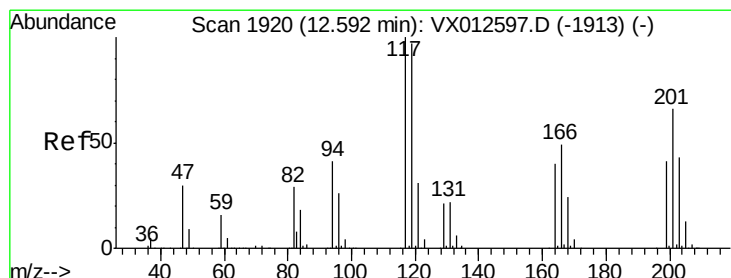
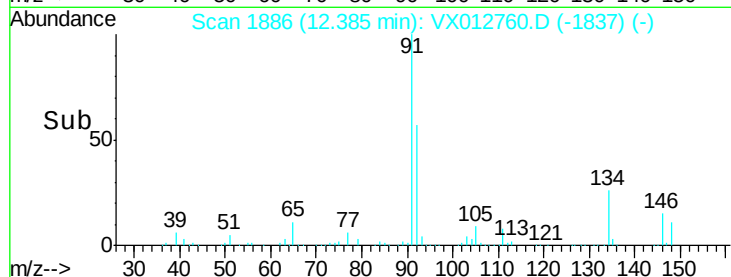
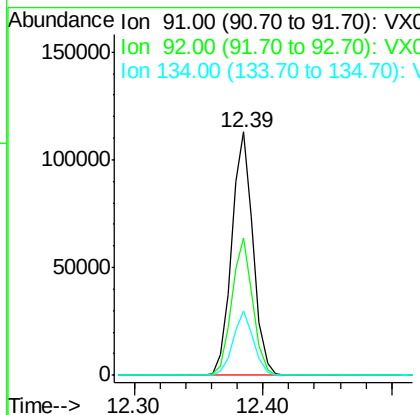
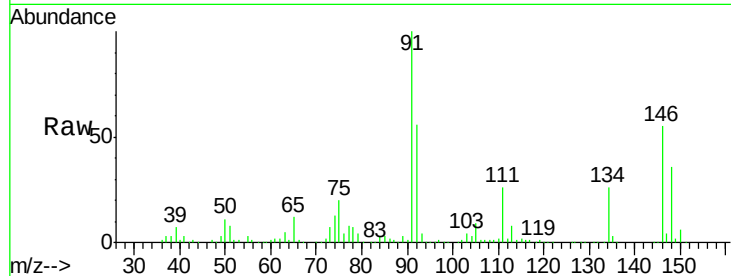
ClientSampleId :

VX1002WBSD01

Tot Ion:	91	Resp:	130683
Ion Ratio	Lower	Upper	
91	100		
92	55.1	27.7	83.0
134	25.3	12.9	38.6

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#90

Hexachloroethane

Concen: 17.649 ug/l

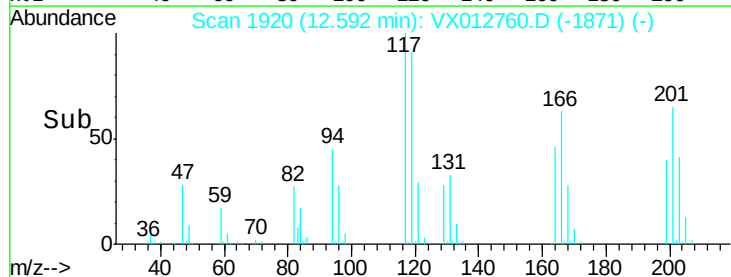
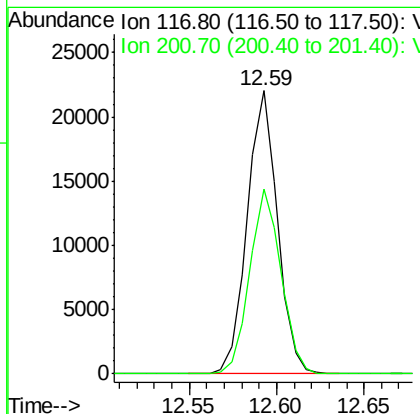
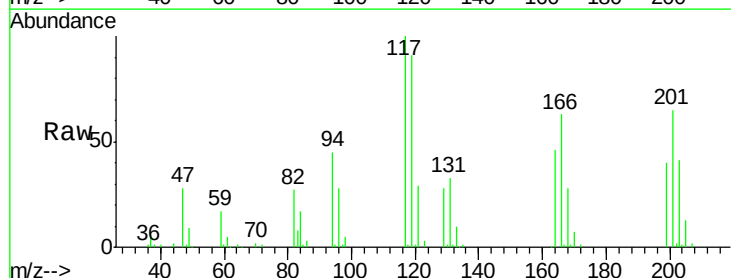
RT: 12.59 min Scan# 1920

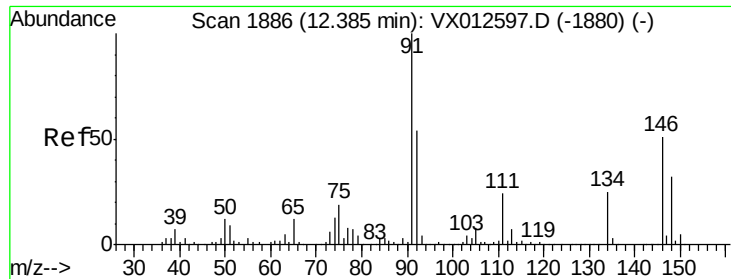
Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Tgt Ion:	117	Resp:	26491
Ion Ratio	Lower	Upper	
117	100		
201	67.4	33.3	99.8





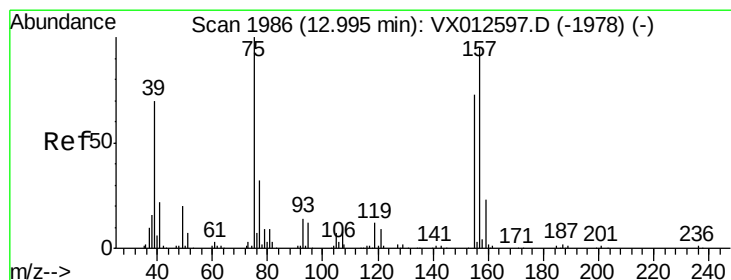
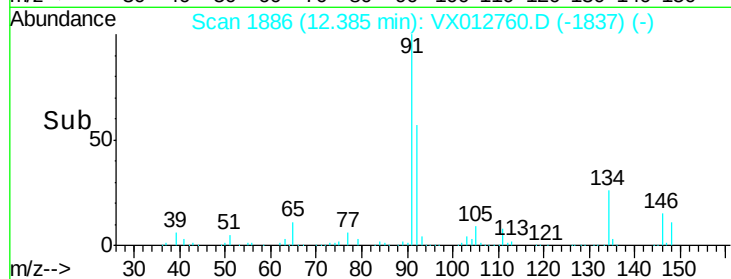
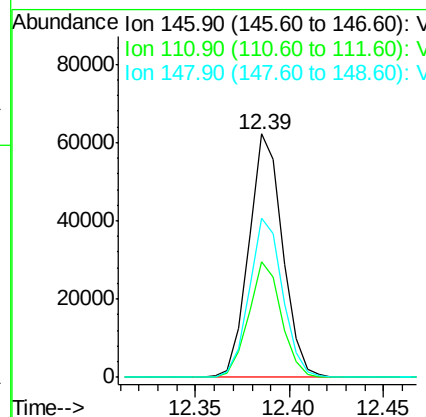
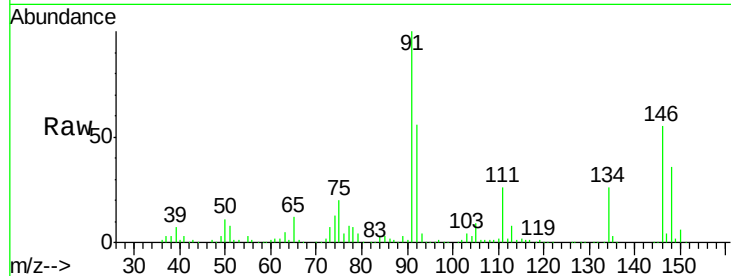
#91
 1,2-Dichlorobenzene
 Concen: 19.040 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012760.D
 Acq: 02 Oct 2019 14:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.2	22.1	66.1
148	65.0	31.3	93.9

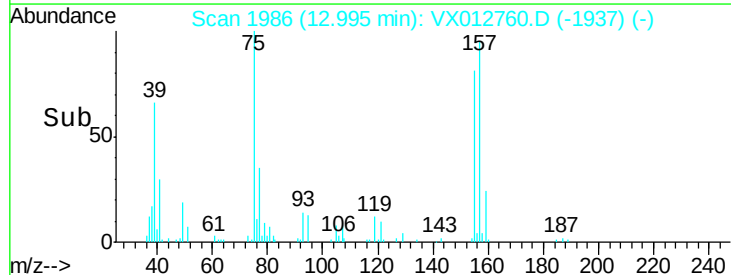
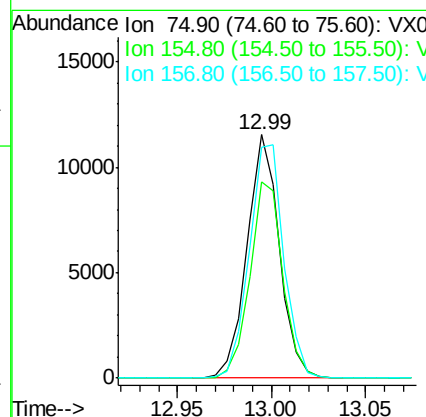
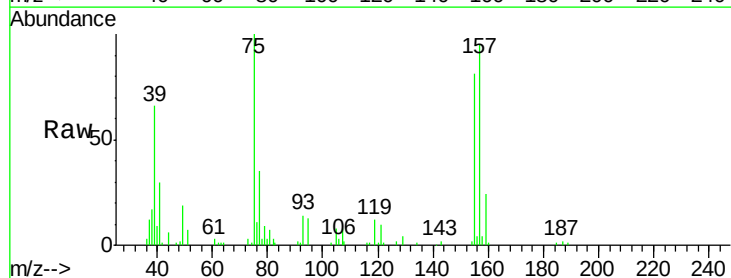
Manual Integrations
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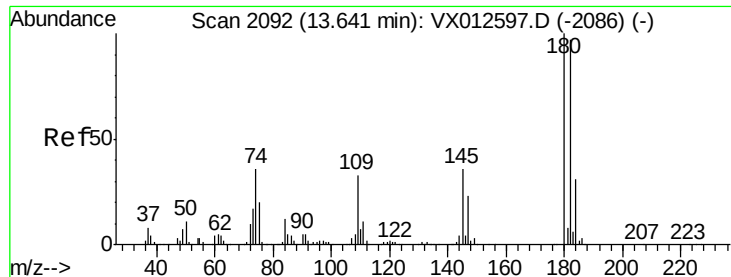
MMDadoda
 10/3/2019 10:50:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.686 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012760.D
 Acq: 02 Oct 2019 14:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.9	38.6	115.8
157	102.7	50.6	151.9





#93

1,2,4-Trichlorobenzene

Concen: 17.846 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Instrument :

MSVOA_X

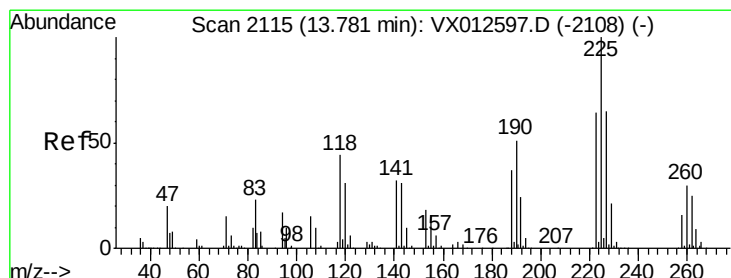
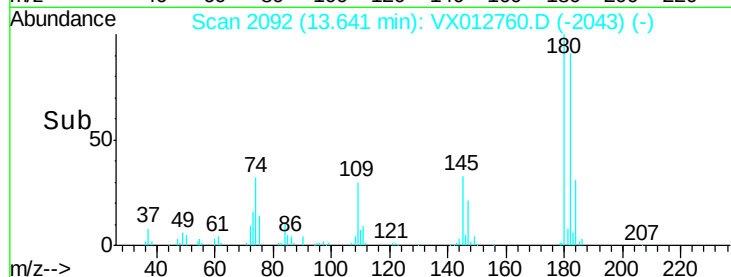
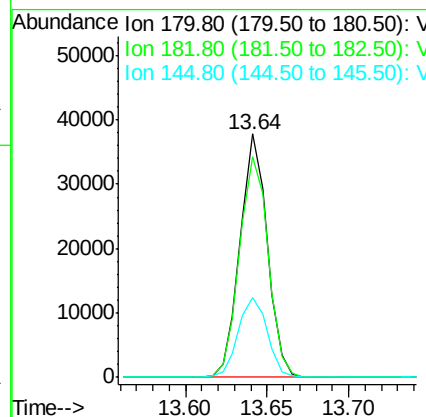
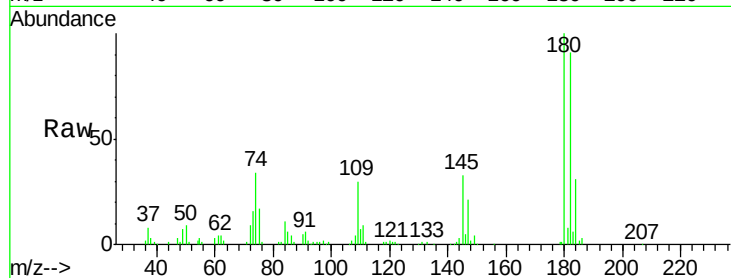
ClientSampleId :

VX1002WBSD01

Tot Ion:	180	Resp:	44013
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.0	141.0
145	35.2	16.8	50.4

Manual Integrations
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10/3/2019 10:50:40 AM



#94

Hexachlorobutadiene

Concen: 19.272 ug/l

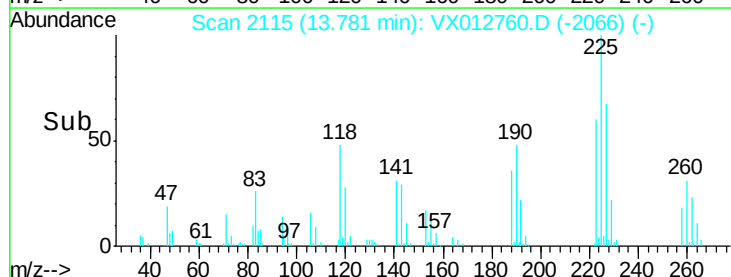
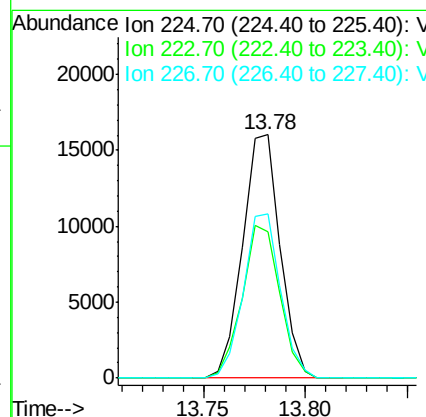
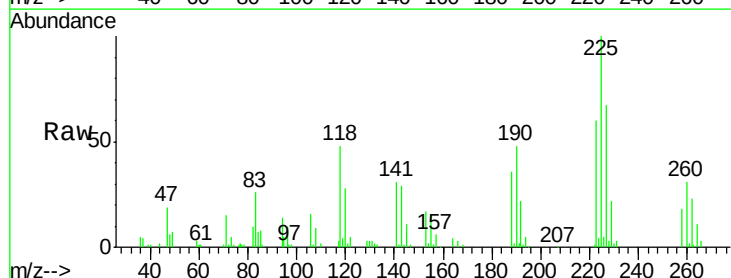
RT: 13.78 min Scan# 2115

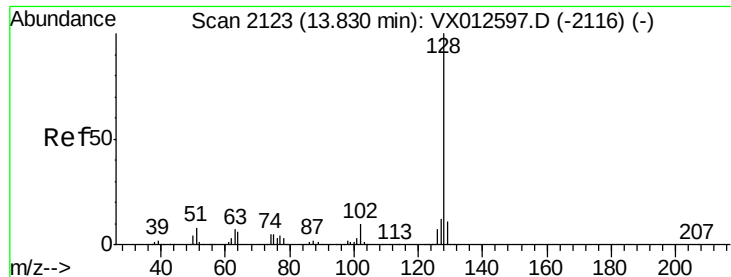
Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Tgt Ion:	225	Resp:	20447
Ion Ratio	Lower	Upper	
225	100		
223	63.0	32.0	96.2
227	66.5	31.9	95.5





#95

Naphthalene

Concen: 19.046 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Instrument :

MSVOA_X

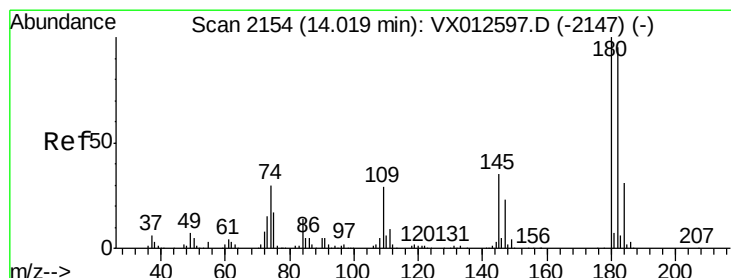
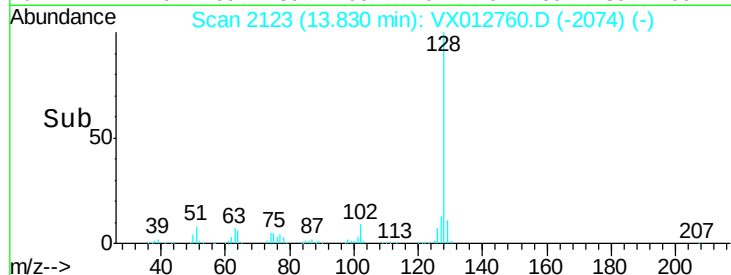
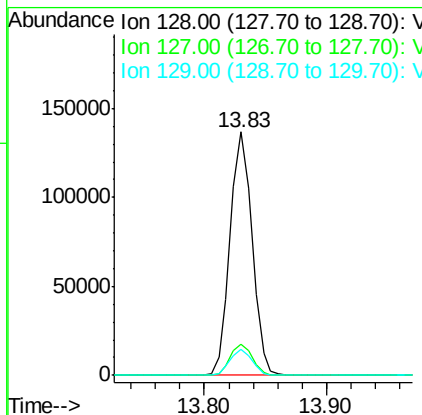
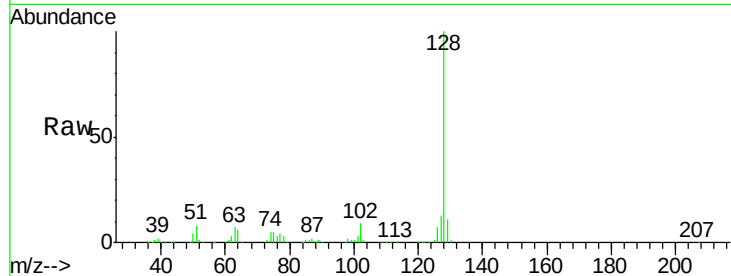
ClientSampleId :

VX1002WBSD01

Tot Ion:	128	Resp:	169950
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.4
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/3/2019 10:50:40 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.231 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012760.D

Acq: 02 Oct 2019 14:52

Tgt Ion:	180	Resp:	47510
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.1	141.3
145	35.0	18.0	54.0

