

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX041219\
 Data File : VX008874.D
 Acq On : 12 Apr 2019 10:10
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/13/2019 2:10:15 PM

Quant Time: Apr 13 05:09:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	169524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	268063	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116117	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	112860	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	
35) Dibromofluoromethane	5.49	113	82945	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	8.71	98	336079	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	11.13	95	125089	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	125562	64.346	ug/l	99
3) Chloromethane	1.32	50	146202	61.524	ug/l	99
4) Vinyl Chloride	1.41	62	135313	51.296	ug/l	99
5) Bromomethane	1.64	94	79041	60.418	ug/l	100
6) Chloroethane	1.71	64	79036	55.176	ug/l	99
7) Trichlorofluoromethane	1.92	101	153019	52.476	ug/l	100
8) Diethyl Ether	2.18	74	67728	48.978	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	97389	51.875	ug/l	98
10) Methyl Iodide	2.51	142	114012	65.345	ug/l	99
11) Tert butyl alcohol	3.05	59	142668	246.460	ug/l	100
12) 1,1-Dichloroethene	2.37	96	95998	48.983	ug/l	98
13) Acrolein	2.29	56	90440	315.085	ug/l	99
14) Allyl chloride	2.72	41	233325	52.005	ug/l	99
15) Acrylonitrile	3.14	53	370798	241.795	ug/l	99
16) Acetone	2.44	43	333246	233.997	ug/l	99
17) Carbon Disulfide	2.57	76	303173	53.623	ug/l	100
18) Methyl Acetate	2.77	43	162463	47.037	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	365091	52.163	ug/l	99
20) Methylene Chloride	2.85	84	116425	48.839	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	106406	50.194	ug/l	94
22) Diisopropyl ether	3.85	45	442813	51.207	ug/l	99
23) Vinyl Acetate	3.81	43	1987239	264.165	ug/l	100
24) 1,1-Dichloroethane	3.69	63	216735	50.622	ug/l	99
25) 2-Butanone	4.67	43	557159	247.526	ug/l	99
26) 2,2-Dichloropropane	4.57	77	164804	54.652	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	120213	49.322	ug/l	99
28) Bromochloromethane	5.01	49	88932	49.708	ug/l	99
29) Tetrahydrofuran	5.12	42	361462	241.946	ug/l	99
30) Chloroform	5.21	83	194904	50.968	ug/l	98
31) Cyclohexane	5.57	56	222212	52.014	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	162273	52.512	ug/l	100
36) 1,1-Dichloropropene	5.79	75	157959	53.907	ug/l	100
37) Ethyl Acetate	4.83	43	209512	53.567	ug/l	100
38) Carbon Tetrachloride	5.78	117	137422	56.664	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	205374	56.737	ug/l	99
40) Benzene	6.13	78	473096	54.196	ug/l	99
41) Methacrylonitrile	5.04	41	118767	52.828	ug/l	99
42) 1,2-Dichloroethane	6.19	62	165251	52.804	ug/l	100
43) Isopropyl Acetate	6.44	43	337102	55.020	ug/l	99
44) Trichloroethene	7.21	130	112850	55.505	ug/l	98
45) 1,2-Dichloropropane	7.51	63	133205	53.462	ug/l	99
46) Dibromomethane	7.66	93	74985	51.890	ug/l	98
47) Bromodichloromethane	7.89	83	151555	55.623	ug/l	99
48) Methyl methacrylate	7.76	41	171364	55.291	ug/l	99
49) 1,4-Dioxane	7.74	88	58053	999.904	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1076227	272.869	ug/l	100
52) Toluene	8.78	92	288428	56.044	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	180509	59.142	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	200150	57.391	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	113509	54.946	ug/l	98
56) Ethyl methacrylate	9.18	69	211584	56.608	ug/l	99
57) 1,3-Dichloropropane	9.37	76	200256	53.985	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	503952	264.049	ug/l	99
59) 2-Hexanone	9.49	43	818006	266.872	ug/l	100
60) Dibromochloromethane	9.58	129	112127	57.600	ug/l	98
61) 1,2-Dibromoethane	9.67	107	115644	53.773	ug/l	98
64) Tetrachloroethene	9.34	164	102954	57.754	ug/l	99
65) Chlorobenzene	10.13	112	295879	55.476	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	104827	56.025	ug/l	99
67) Ethyl Benzene	10.25	91	555838	55.890	ug/l	99
68) m/p-Xylenes	10.36	106	406222	113.603	ug/l	98
69) o-Xylene	10.69	106	193475	55.831	ug/l	100
70) Styrene	10.71	104	342627	57.359	ug/l	100
71) Bromoform	10.85	173	84834	59.365	ug/l #	98
73) Isopropylbenzene	11.02	105	524570	54.512	ug/l	100
74) N-amyl acetate	10.90	43	296490	52.369	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	177370	48.465	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	157597m	49.406	ug/l	
77) Bromobenzene	11.26	156	126054	54.489	ug/l	98
78) n-propylbenzene	11.36	91	623233	55.623	ug/l	99
79) 2-Chlorotoluene	11.42	91	360980	53.237	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	445366	55.135	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	66174	57.185	ug/l	97
82) 4-Chlorotoluene	11.51	91	420160	53.532	ug/l	99
83) tert-Butylbenzene	11.77	119	418093	53.799	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	447336	54.692	ug/l	99
85) sec-Butylbenzene	11.94	105	514687	55.757	ug/l	99
86) p-Isopropyltoluene	12.06	119	471986	56.968	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	224229	54.143	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	223479	53.289	ug/l	100
89) n-Butylbenzene	12.38	91	453474	58.362	ug/l	100
90) Hexachloroethane	12.60	117	77558	56.440	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	219248	53.320	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39396	48.934	ug/l	99

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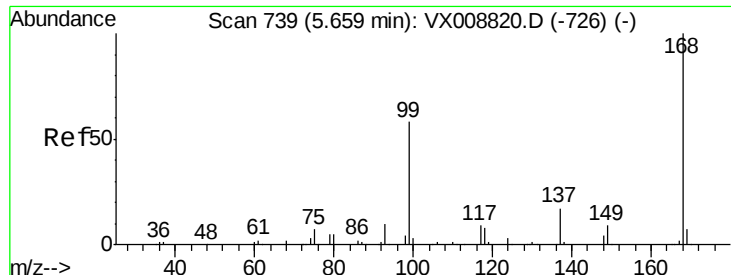
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	160727	56.218	ug/l	99
94) Hexachlorobutadiene	13.78	225	82872	60.441	ug/l	99
95) Naphthalene	13.83	128	503686	52.712	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	159180	55.725	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 169524

Ion Ratio Lower Upper

168 100

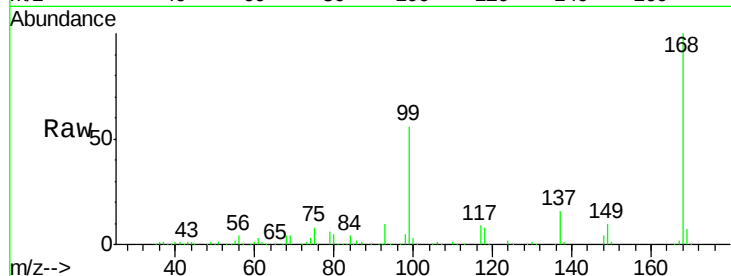
99 55.5 46.7 70.1

Manual Integrations

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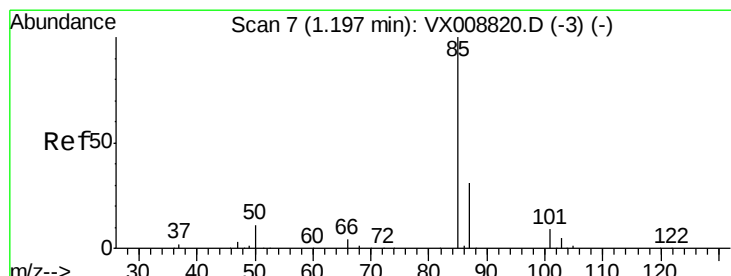
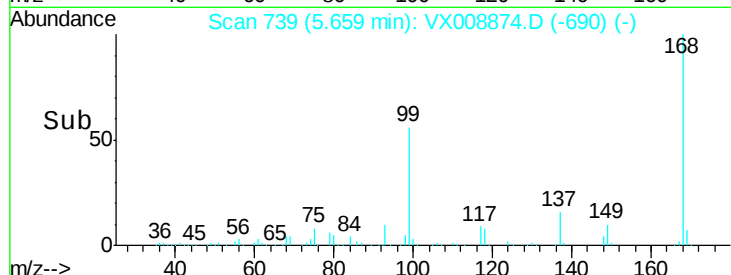
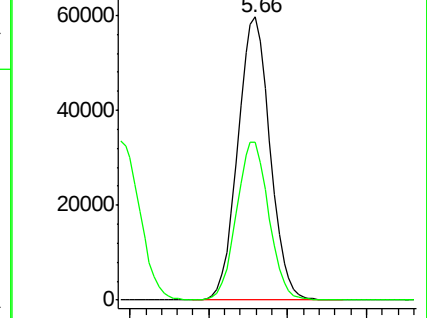
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 64.346 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008874.D

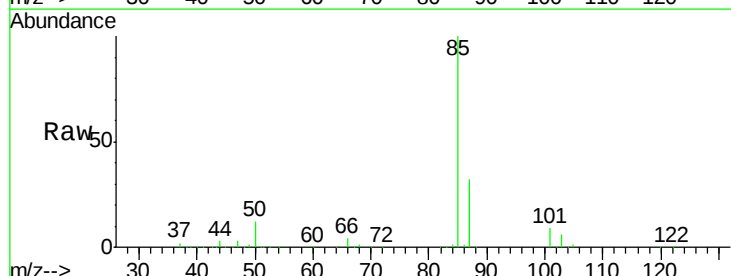
Acq: 12 Apr 2019 10:10

Tgt Ion: 85 Resp: 125562

Ion Ratio Lower Upper

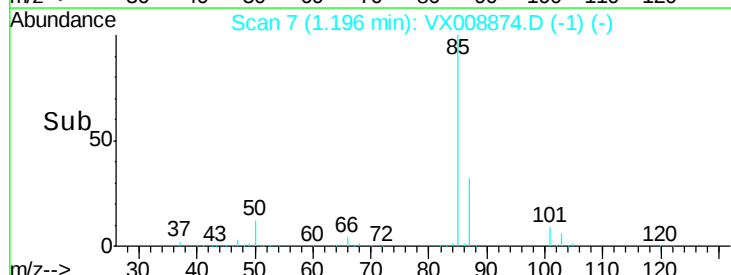
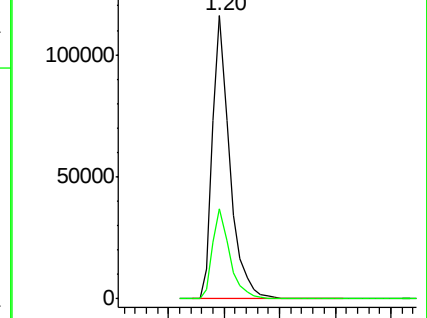
85 100

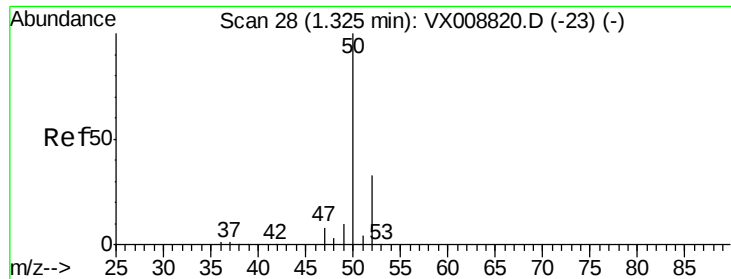
87 32.0 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 61.524 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 146202

Ion Ratio Lower Upper

50 100

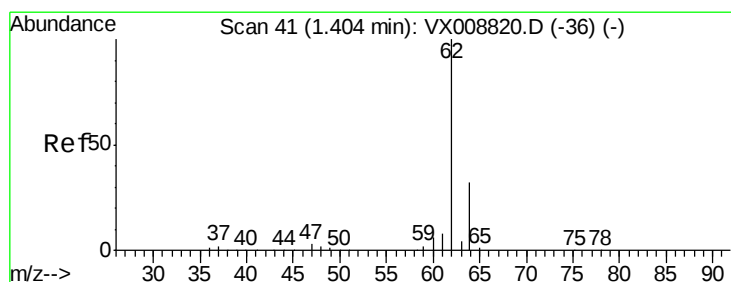
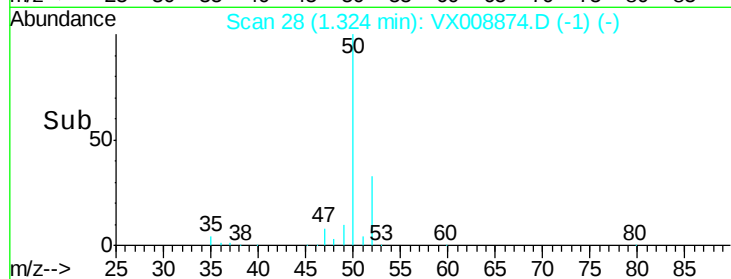
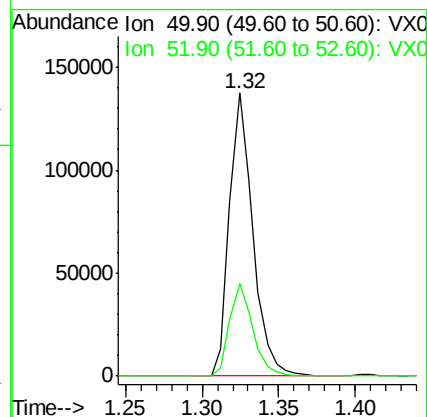
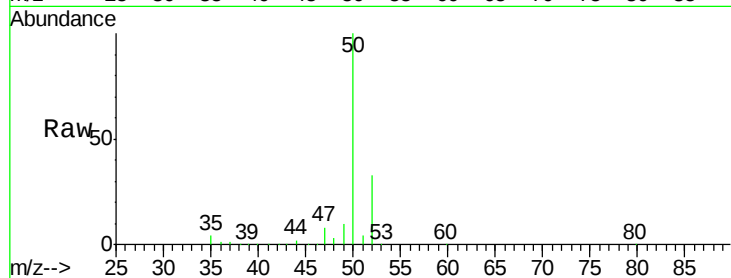
52 32.8 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.296 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008874.D

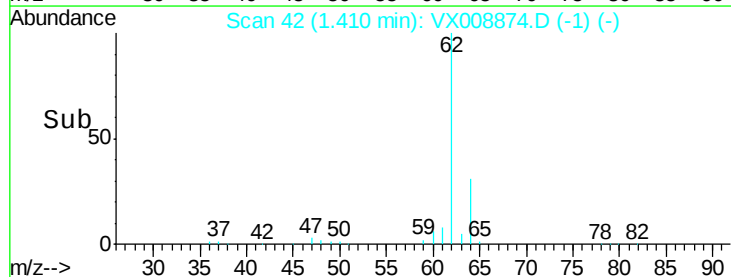
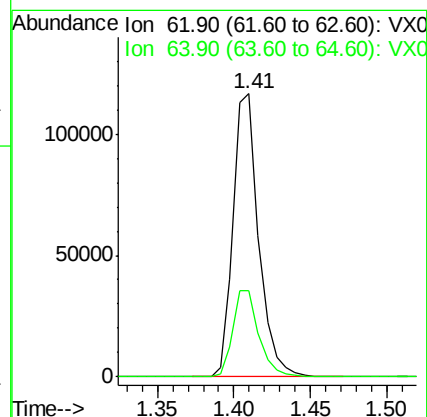
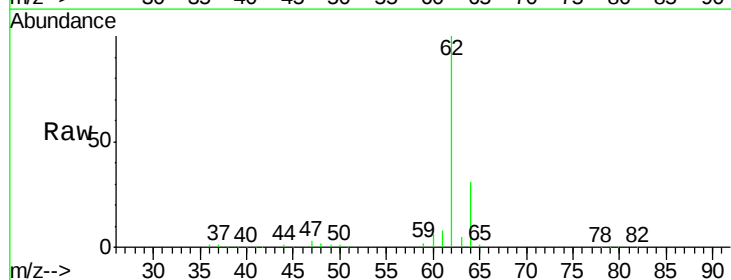
Acq: 12 Apr 2019 10:10

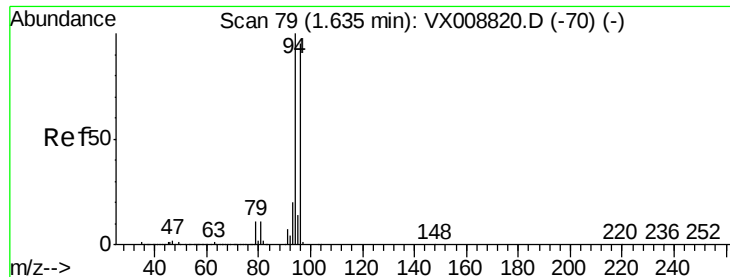
Tgt Ion: 62 Resp: 135313

Ion Ratio Lower Upper

62 100

64 30.6 24.7 37.1





#5

Bromomethane

Concen: 60.418 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 79041

Ion Ratio Lower Upper

94 100

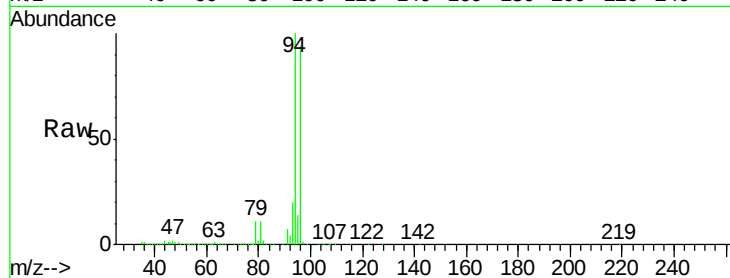
96 93.7 75.2 112.8

Manual Integrations

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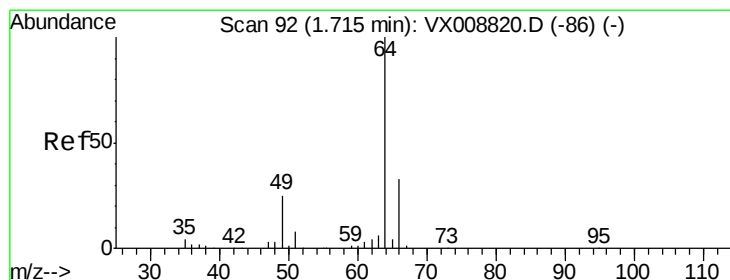
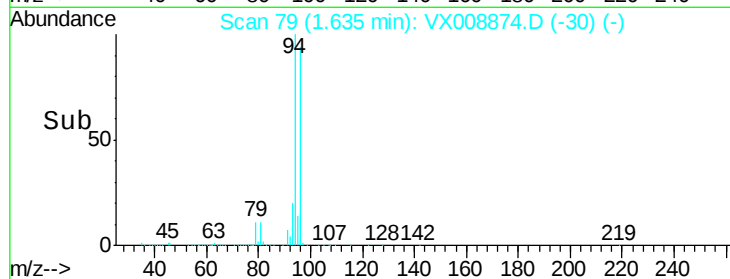
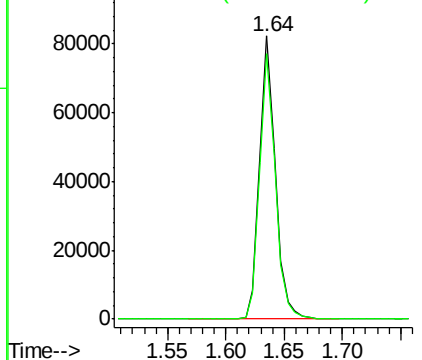
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 55.176 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008874.D

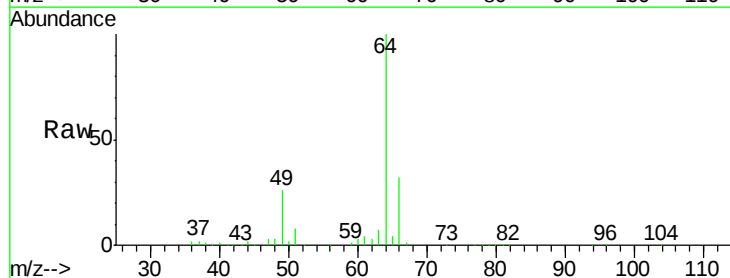
Acq: 12 Apr 2019 10:10

Tgt Ion: 64 Resp: 79036

Ion Ratio Lower Upper

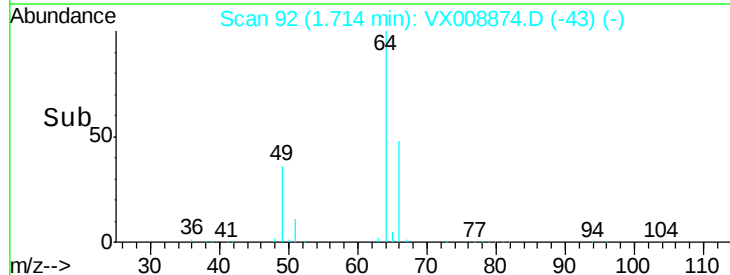
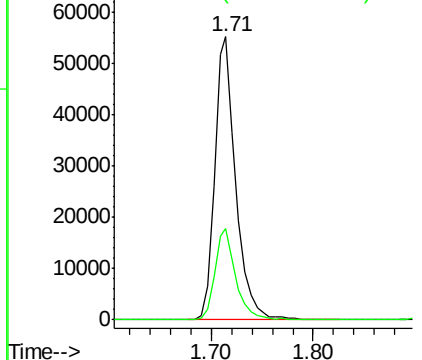
64 100

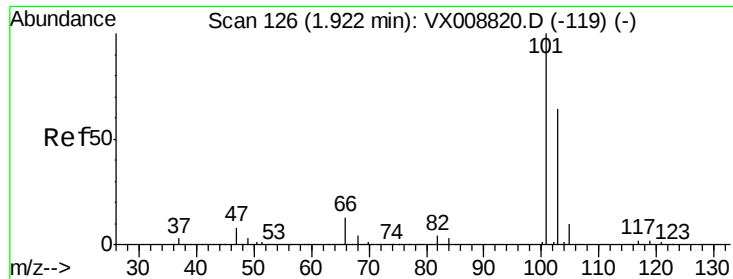
66 32.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





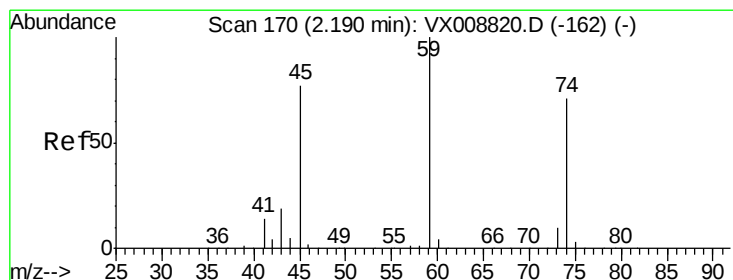
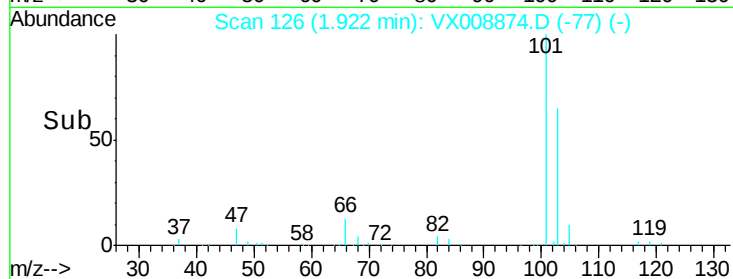
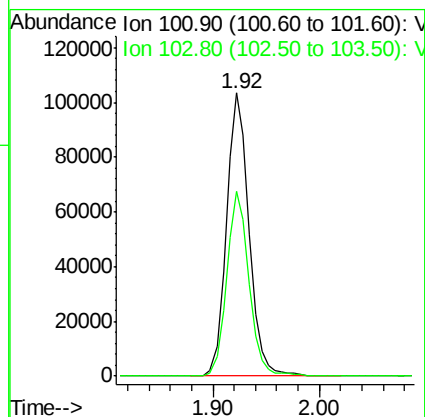
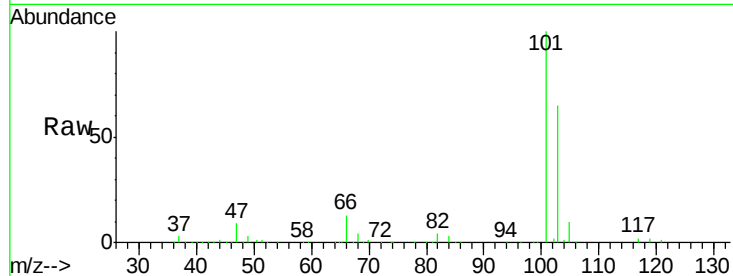
#7
 Trichlorofluoromethane
 Concen: 52.476 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 101 Resp: 153019
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.3 78.5

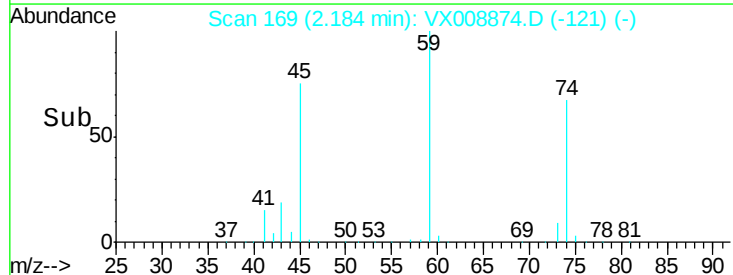
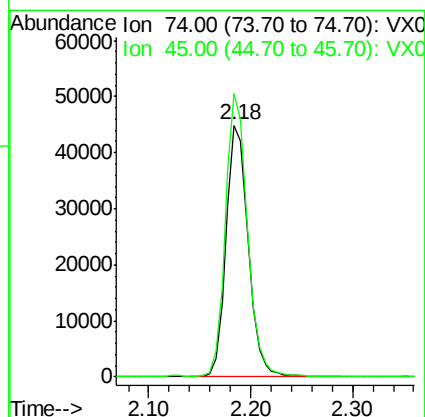
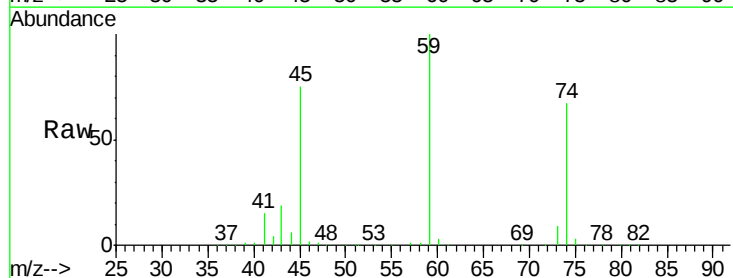
Manual Integrations
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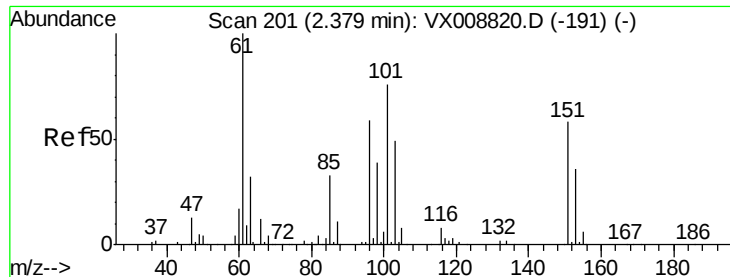
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#8
 Diethyl Ether
 Concen: 48.978 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Tgt Ion: 74 Resp: 67728
 Ion Ratio Lower Upper
 74 100
 45 110.3 56.5 169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.875 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

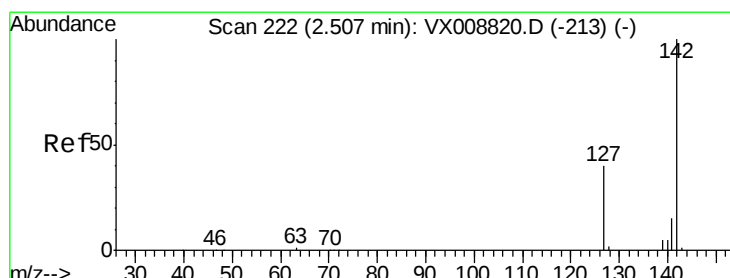
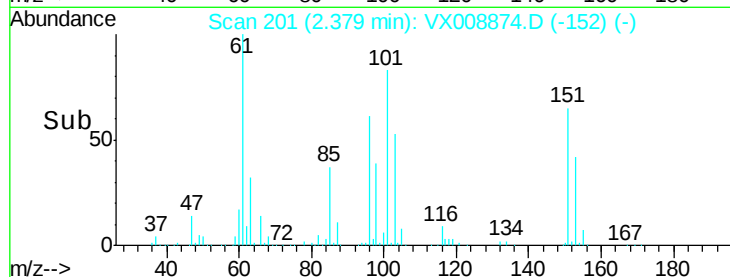
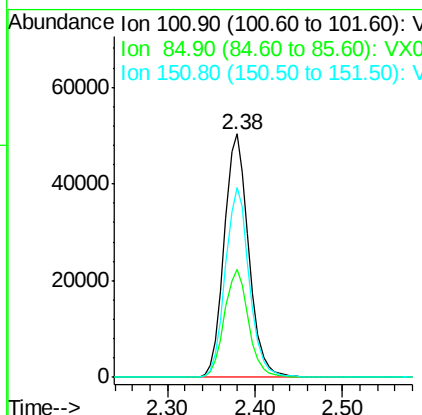
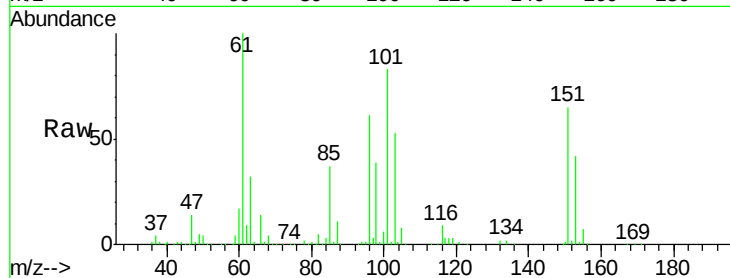
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	97389
Ion Ratio	Lower	Upper	
101	100		
85	43.7	36.0	54.0
151	76.9	59.9	89.9

Manual Integrations
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MMDadoda
4/13/2019 2:10:15 PM



#10

Methyl Iodide

Concen: 65.345 ug/l

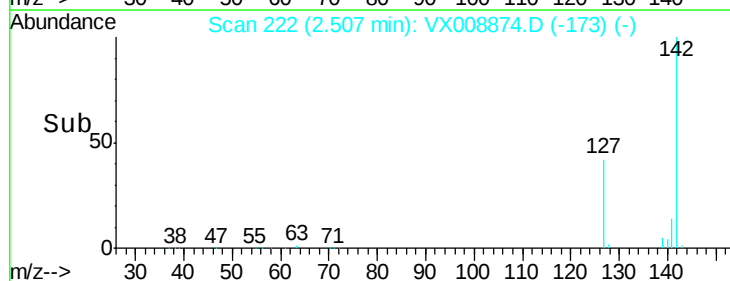
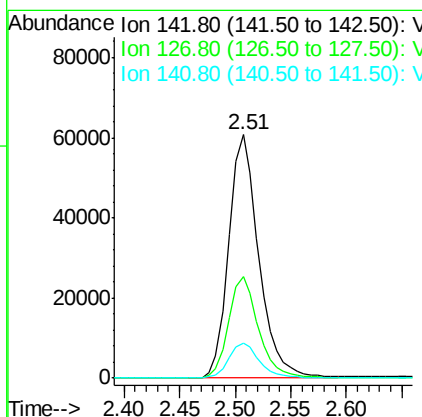
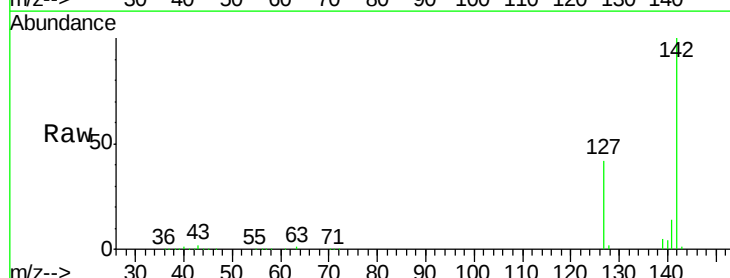
RT: 2.51 min Scan# 222

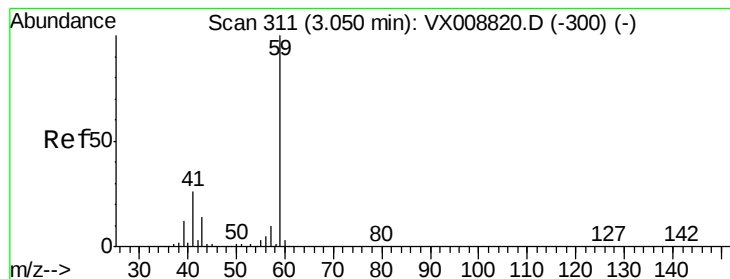
Delta R.T. 0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Tgt Ion:	142	Resp:	114012
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.0	49.6
141	14.6	11.4	17.2





#11

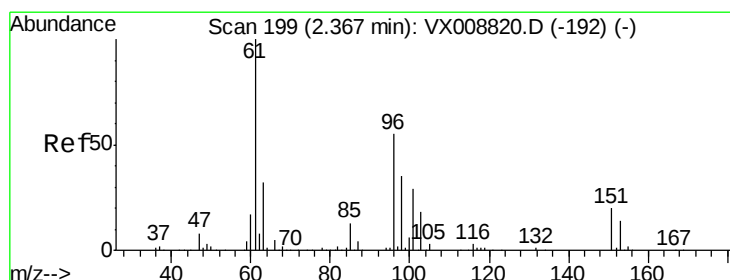
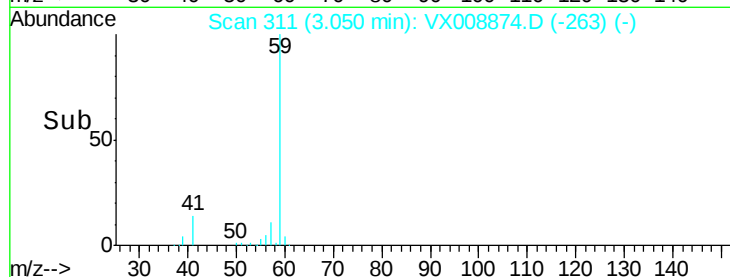
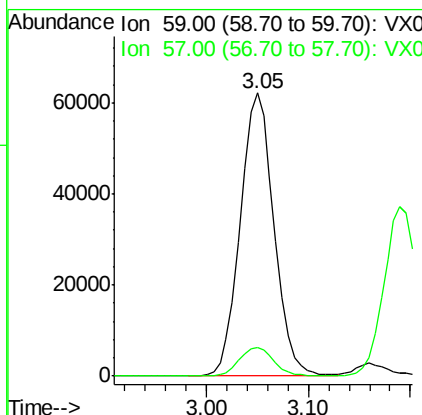
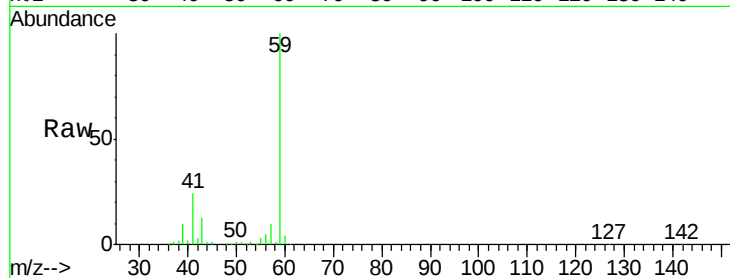
Tert butyl alcohol
Concen: 246.460 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 142668
Ion Ratio Lower Upper
59 100
57 10.4 8.3 12.5

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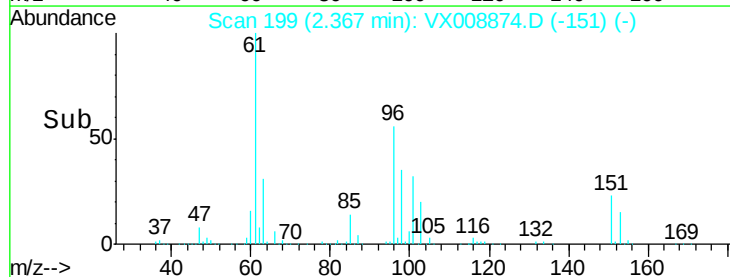
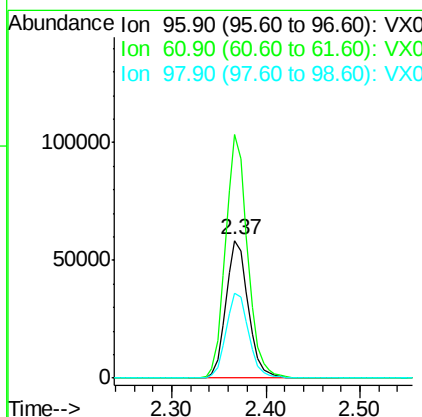
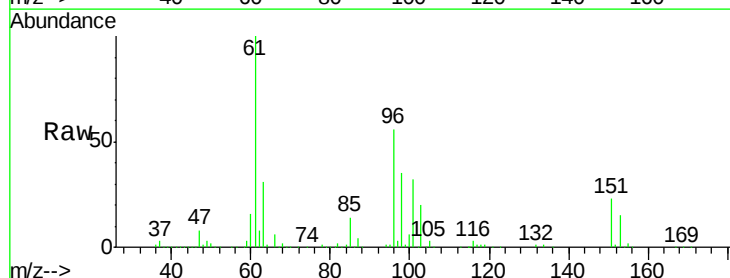
MMDadoda
4/13/2019 2:10:15 PM

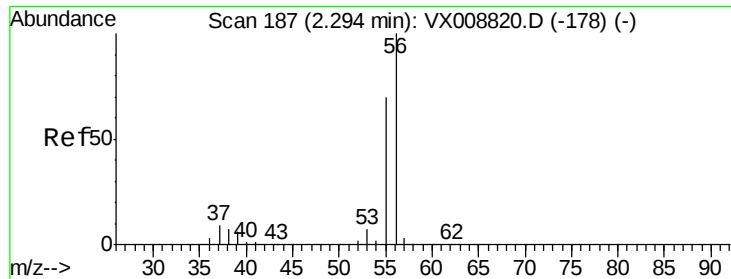


#12

1,1-Dichloroethene
Concen: 48.983 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion: 96 Resp: 95998
Ion Ratio Lower Upper
96 100
61 177.2 140.9 211.3
98 62.0 52.1 78.1





#13

Acrolein

Concen: 315.085 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 90440

Ion Ratio Lower Upper

56 100

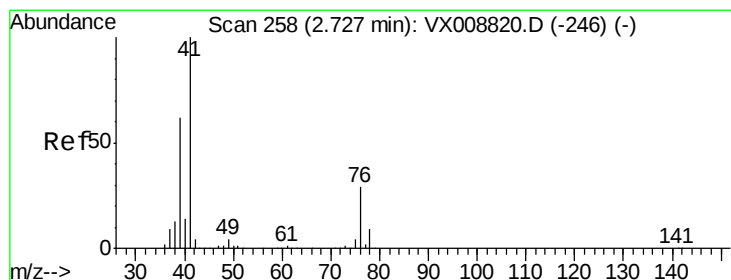
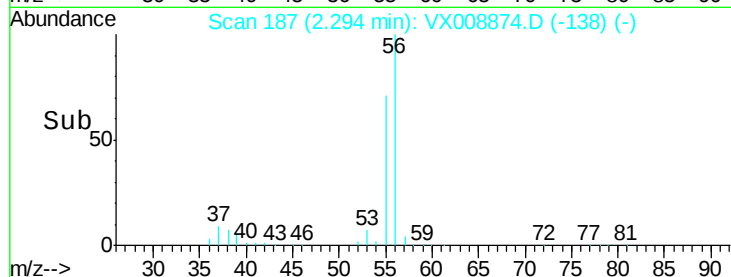
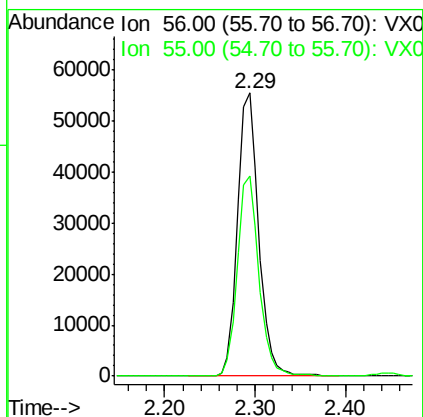
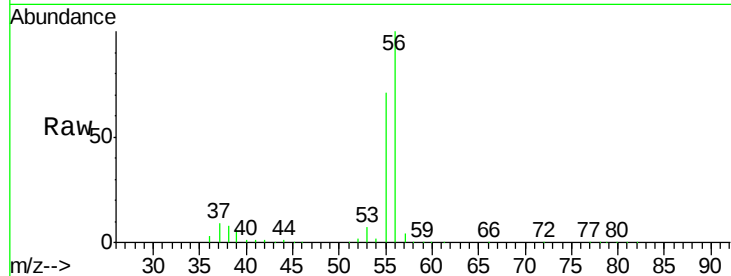
55 71.9 58.0 87.0

Manual Integrations

APPROVED

MMDadoda

4/13/2019 2:10:15 PM



#14

Allyl chloride

Concen: 52.005 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

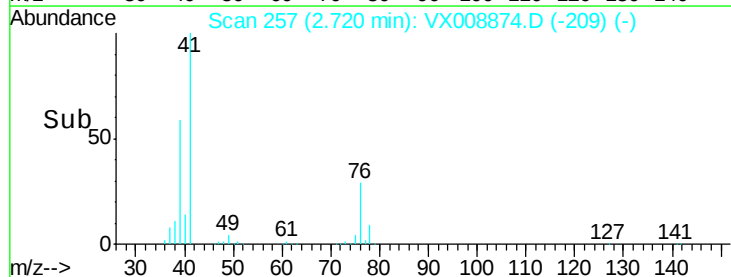
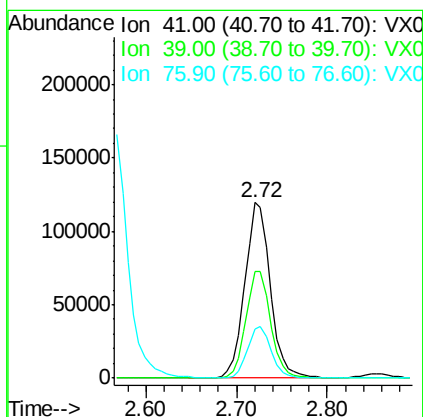
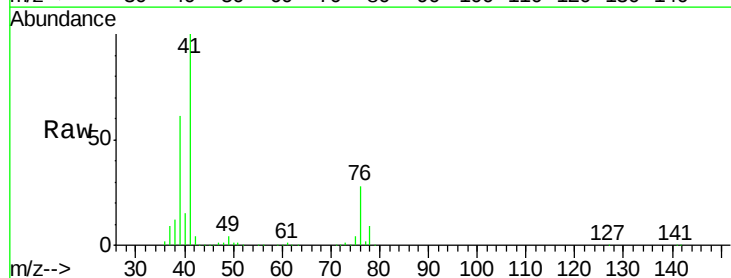
Tgt Ion: 41 Resp: 233325

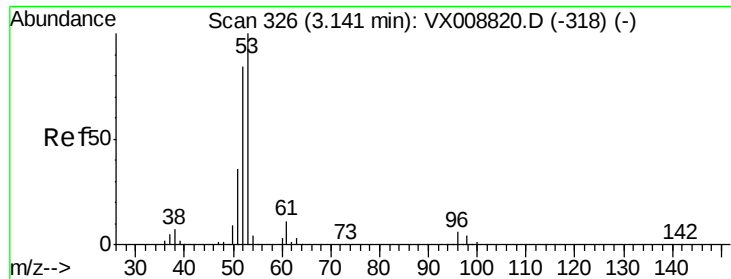
Ion Ratio Lower Upper

41 100

39 58.9 48.0 72.0

76 27.4 22.0 33.0





#15

Acrylonitrile

Concen: 241.795 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

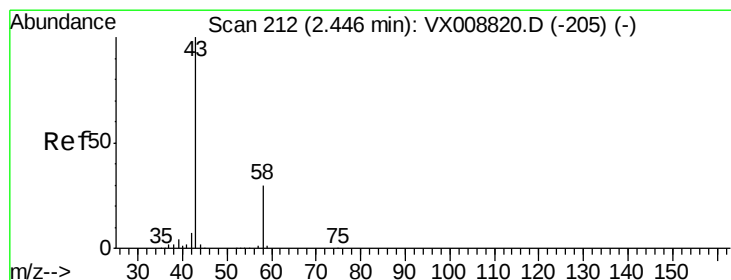
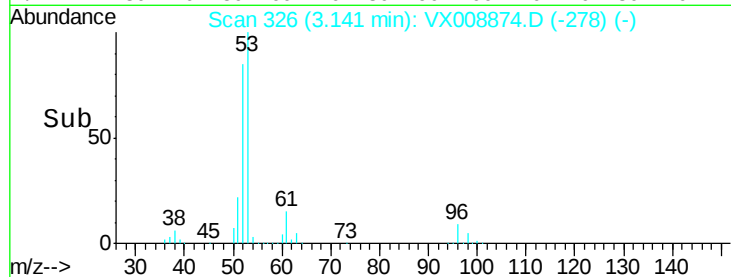
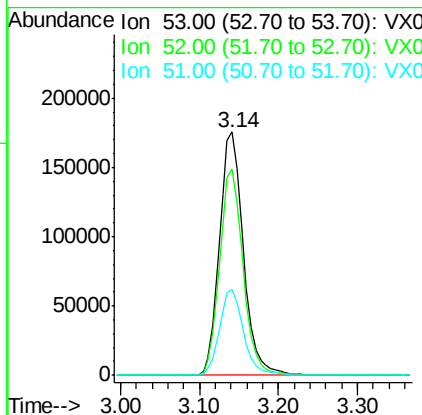
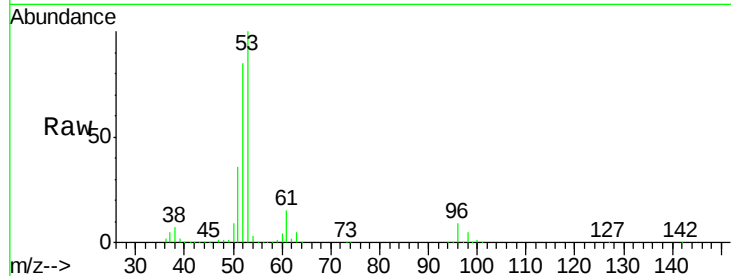
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	370798
Ion Ratio	Lower	Upper	
53	100		
52	83.7	66.5	99.7
51	35.5	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 233.997 ug/l

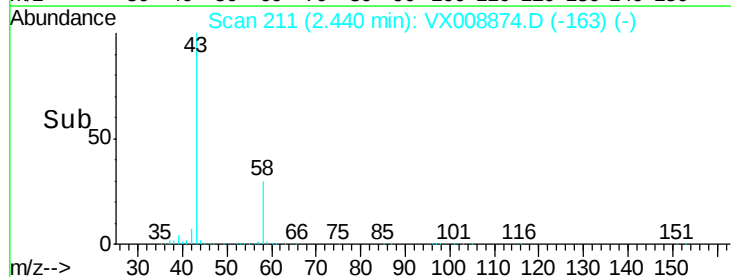
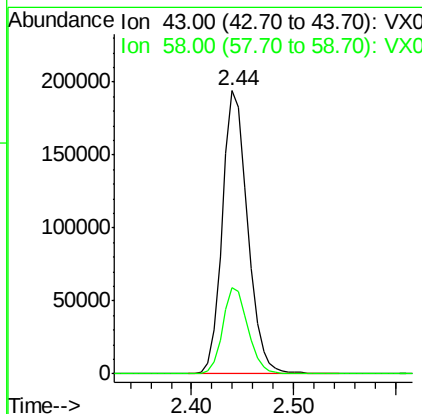
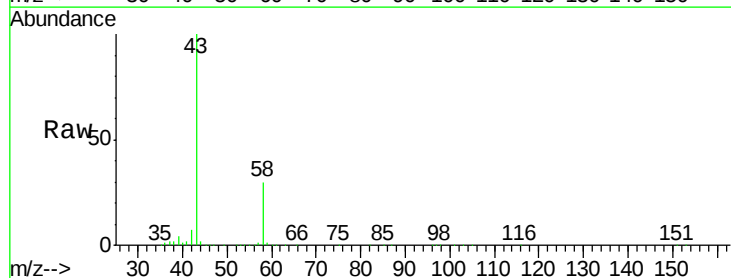
RT: 2.44 min Scan# 211

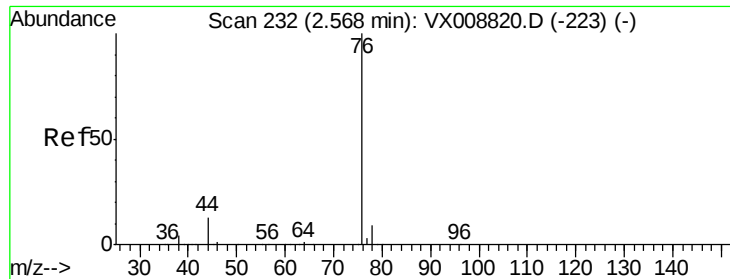
Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Tgt Ion:	43	Resp:	333246
Ion Ratio	Lower	Upper	
43	100		
58	30.3	24.8	37.2





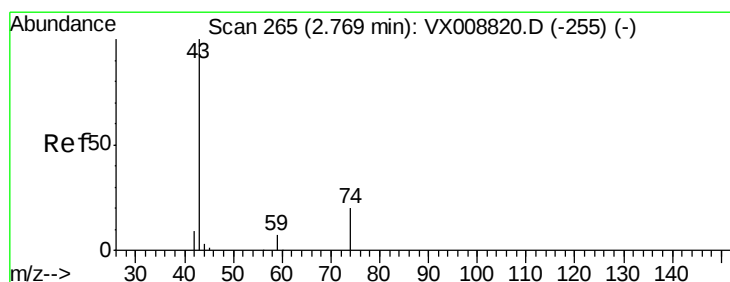
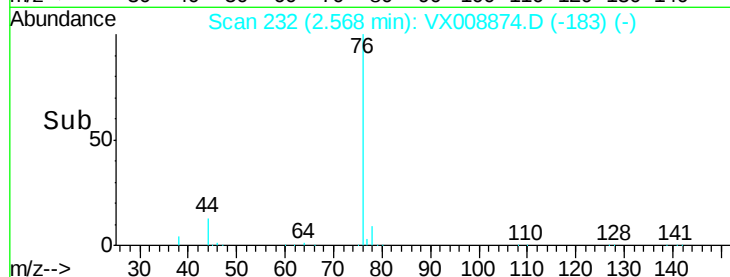
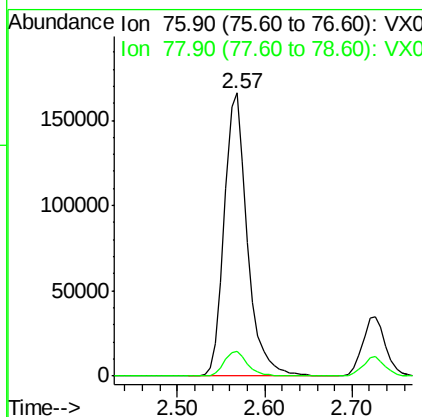
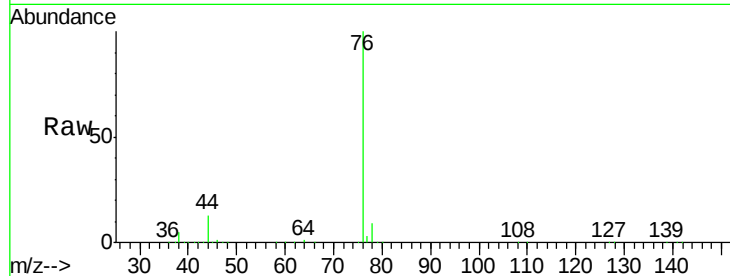
#17
Carbon Disulfide
Concen: 53.623 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 303173
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7

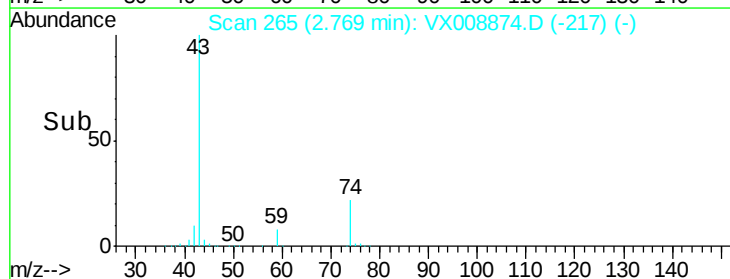
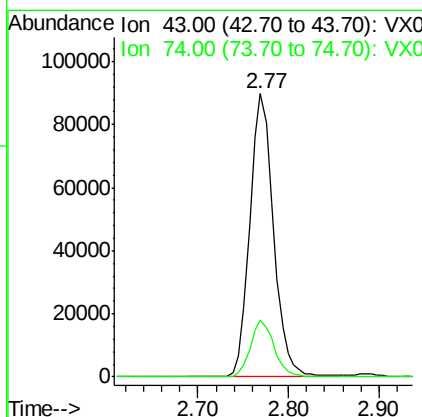
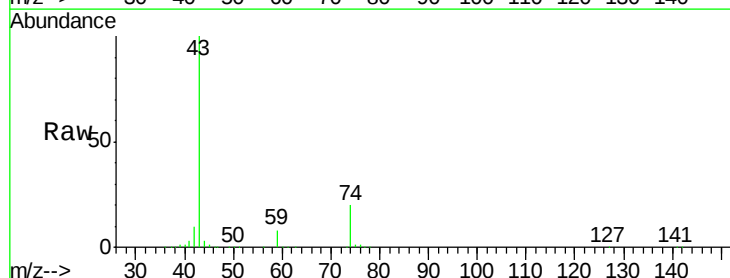
Manual Integrations
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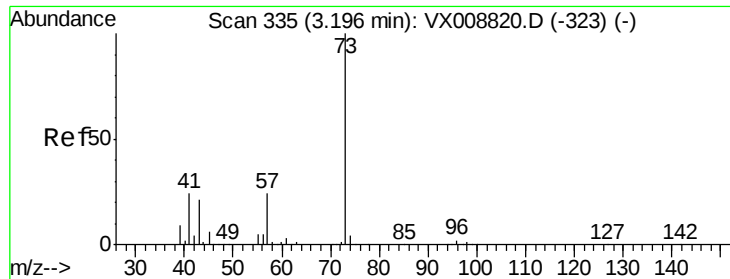
MMDadoda
4/13/2019 2:10:15 PM



#18
Methyl Acetate
Concen: 47.037 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion: 43 Resp: 162463
Ion Ratio Lower Upper
43 100
74 20.5 16.5 24.7





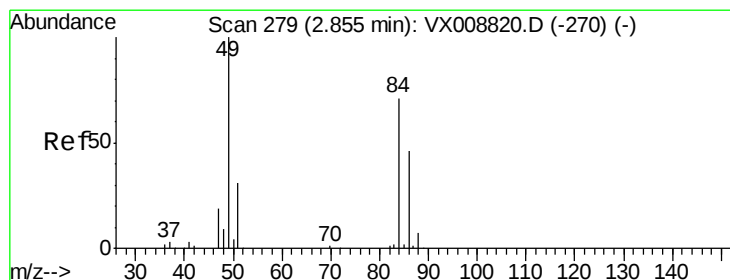
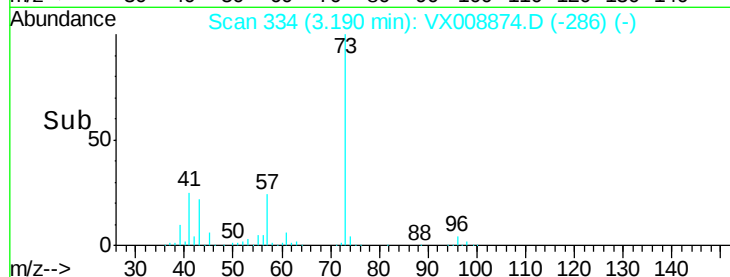
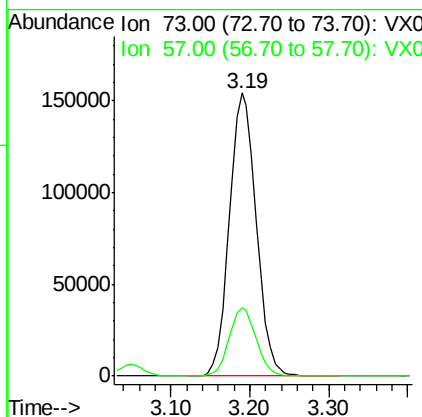
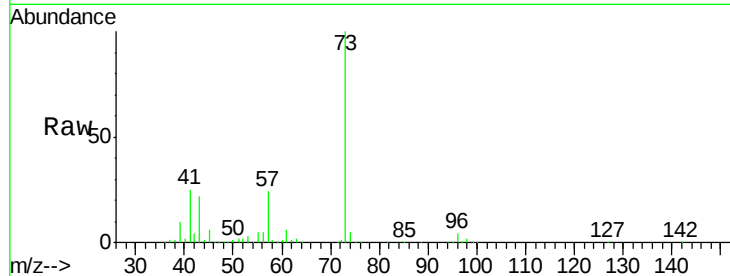
#19
Methyl tert-butyl Ether
Concen: 52.163 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 365091
Ion Ratio Lower Upper
73 100
57 24.0 19.5 29.3

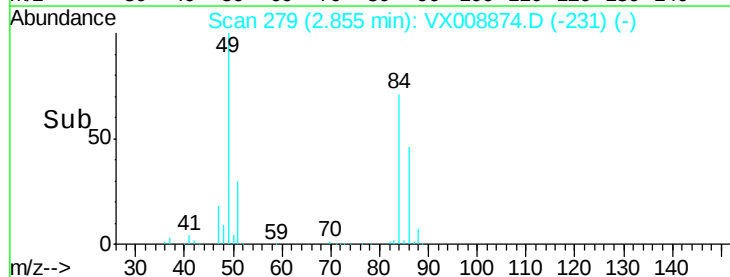
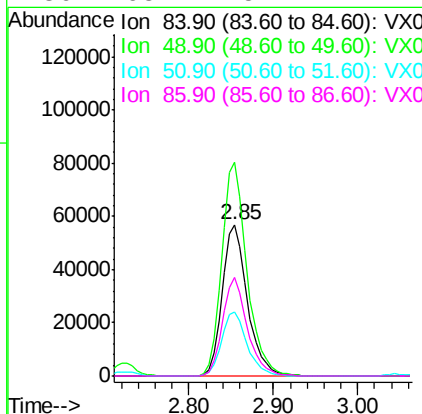
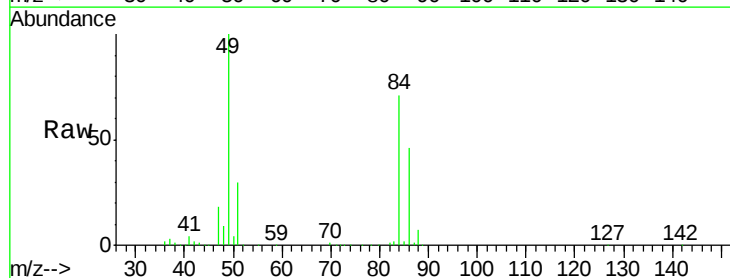
Manual Integrations
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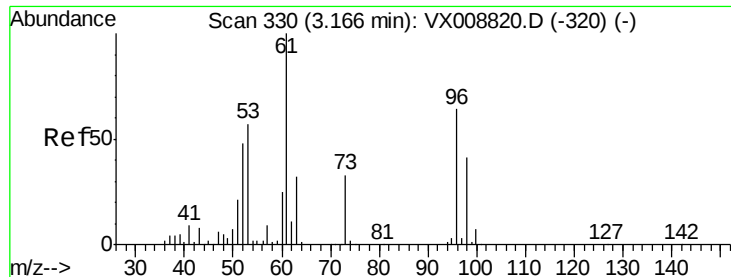
MMDadoda
4/13/2019 2:10:15 PM



#20
Methylene Chloride
Concen: 48.839 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion: 84 Resp: 116425
Ion Ratio Lower Upper
84 100
49 141.1 109.7 164.5
51 42.6 33.6 50.4
86 65.4 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 50.194 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 106406
Ion Ratio Lower Upper

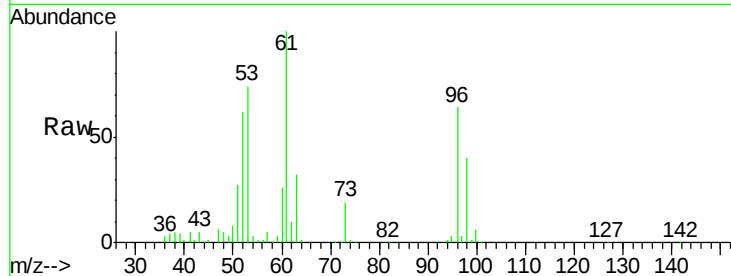
96 100

61 155.4 132.1 198.1

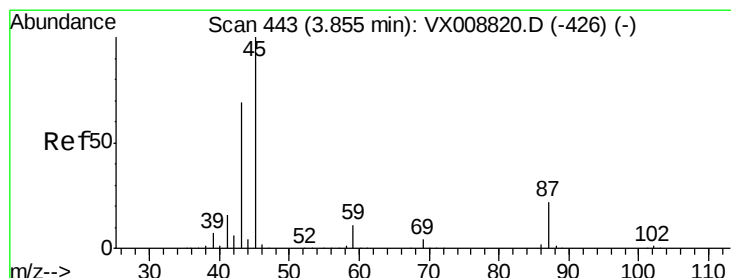
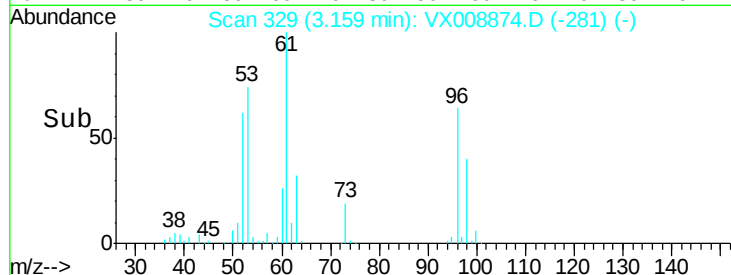
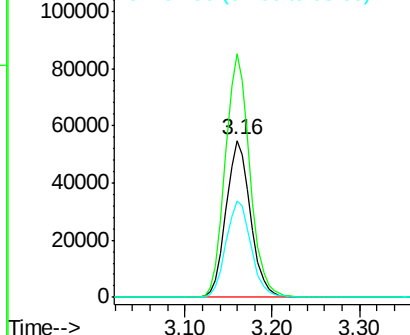
98 61.6 52.2 78.2

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 51.207 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Tgt Ion: 45 Resp: 442813
Ion Ratio Lower Upper

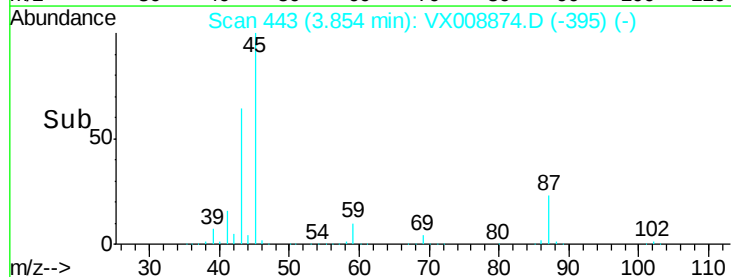
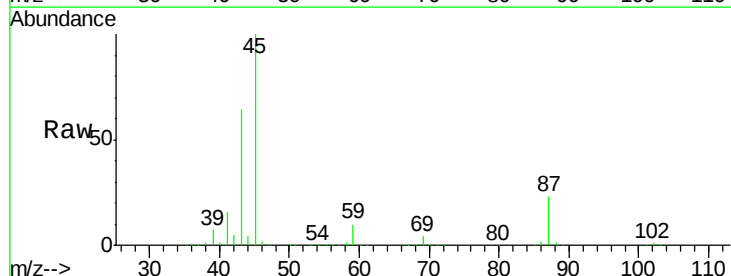
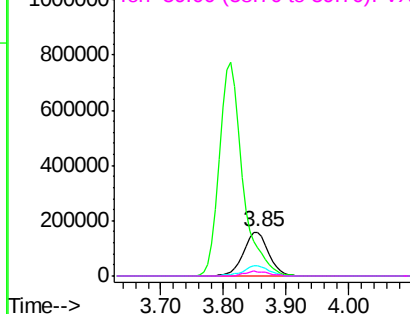
45 100

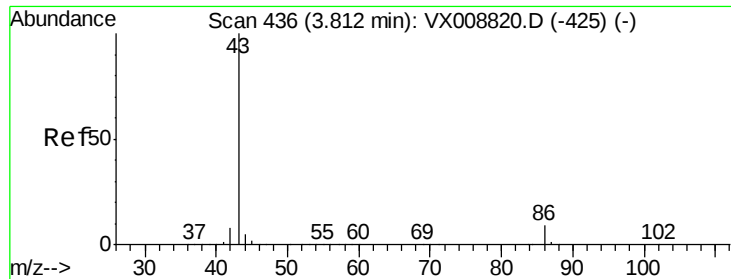
43 64.4 51.3 76.9

87 23.4 18.1 27.1

59 10.2 8.6 13.0

Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 264.165 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1987239

Ion Ratio Lower Upper

43 100

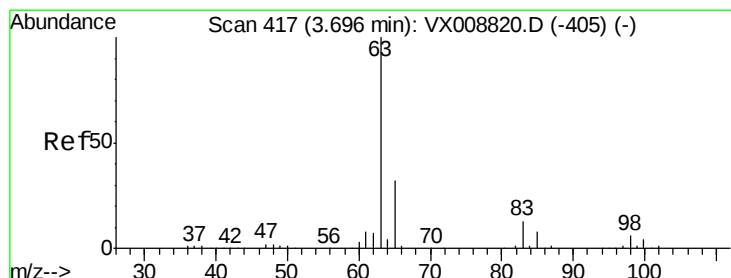
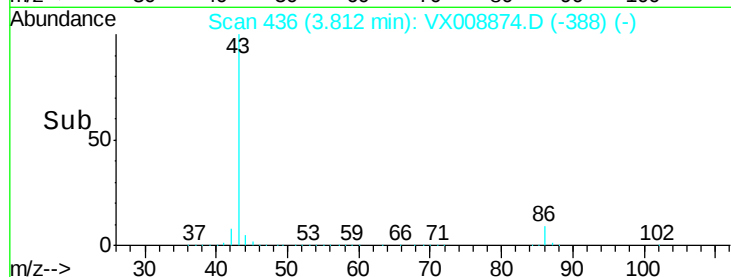
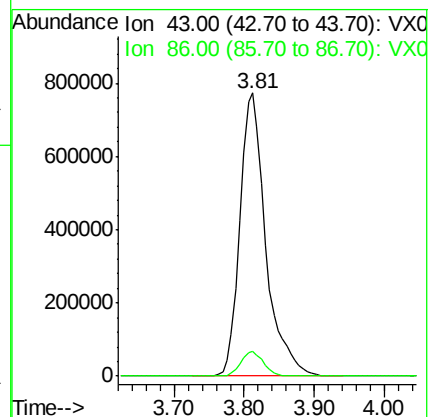
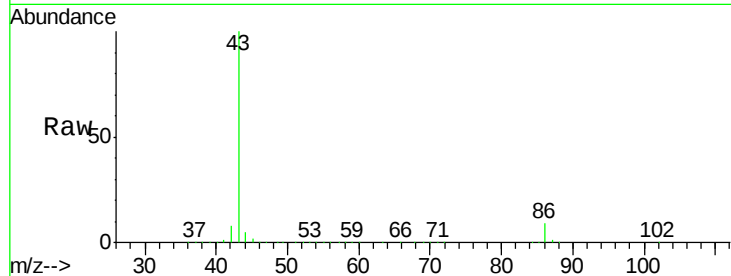
86 8.6 7.0 10.6

Manual Integrations

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MMDadoda

4/13/2019 2:10:15 PM



#24

1,1-Dichloroethane

Concen: 50.622 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

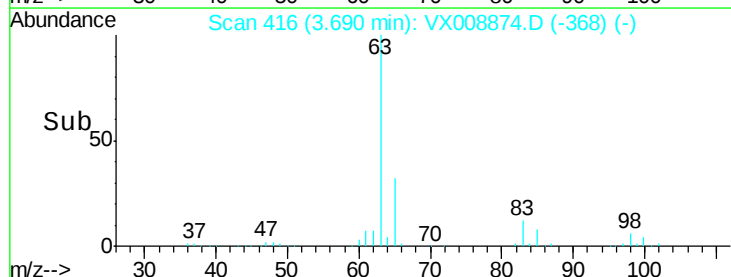
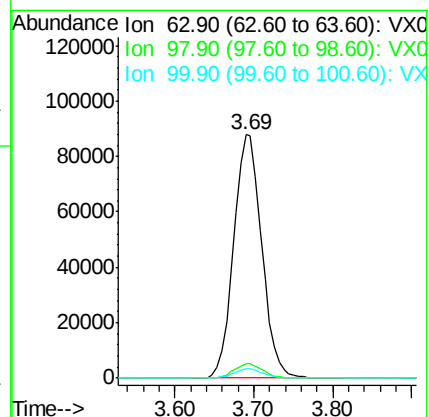
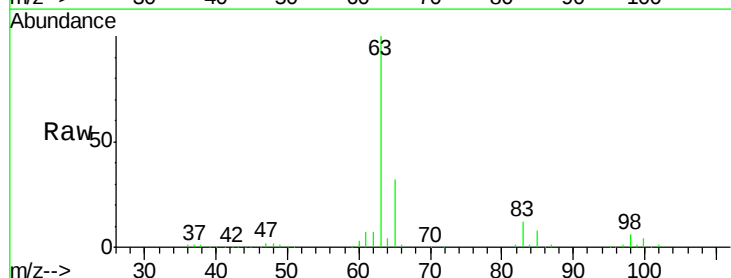
Tgt Ion: 63 Resp: 216735

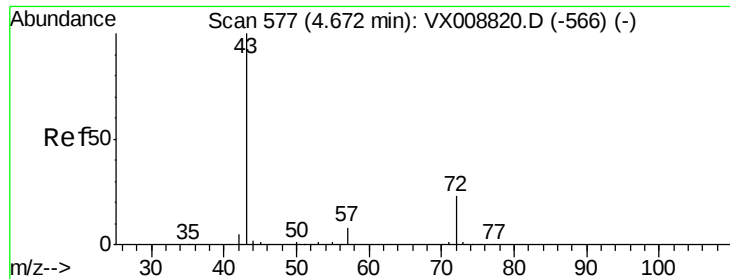
Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

100 3.9 1.8 5.5





#25

2-Butanone

Concen: 247.526 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 557159

Ion Ratio Lower Upper

43 100

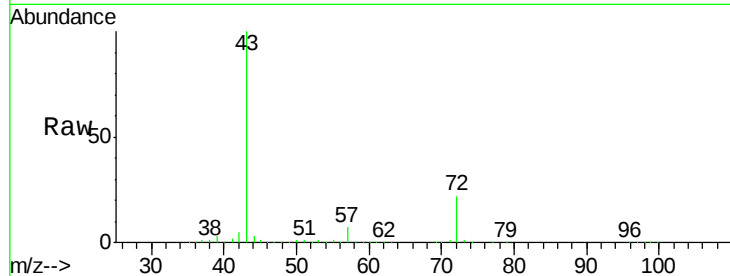
72 22.3 18.2 27.4

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

200000

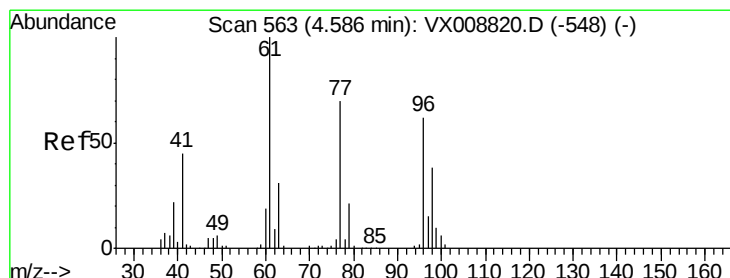
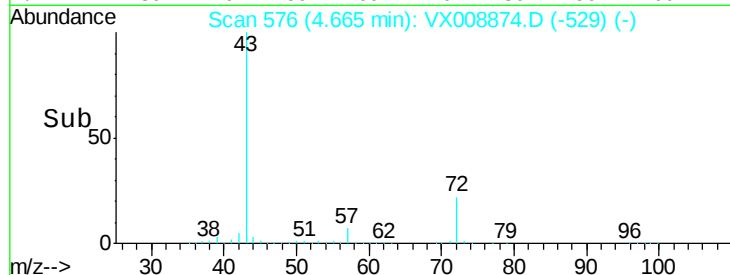
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 54.652 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX008874.D

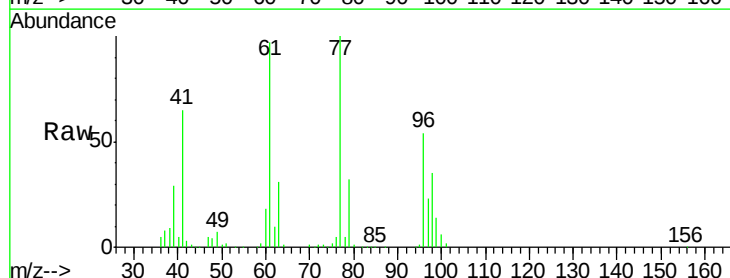
Acq: 12 Apr 2019 10:10

Tgt Ion: 77 Resp: 164804

Ion Ratio Lower Upper

77 100

97 22.8 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.57

60000

50000

40000

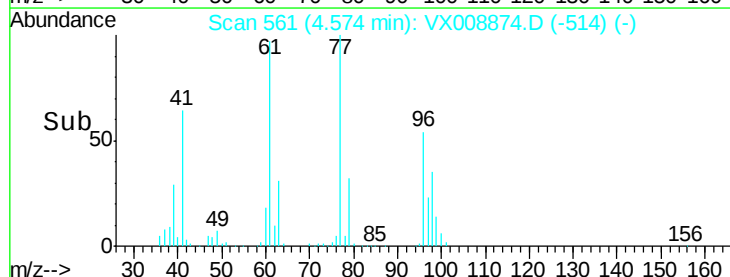
30000

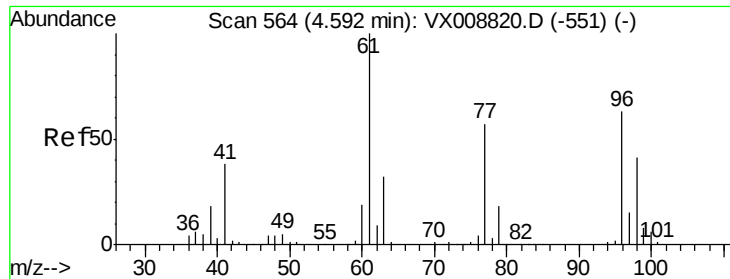
20000

10000

0

Time-->





#27

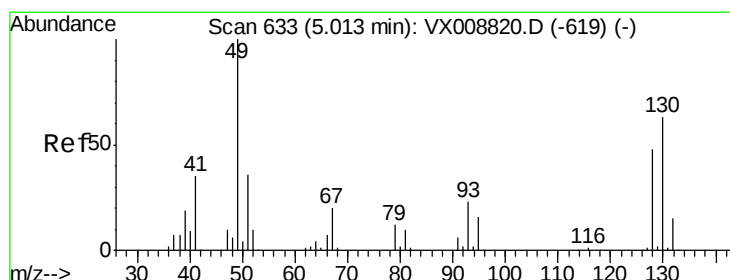
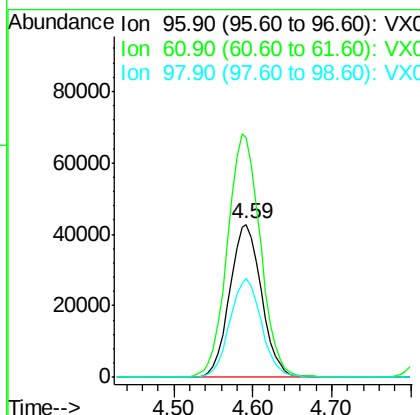
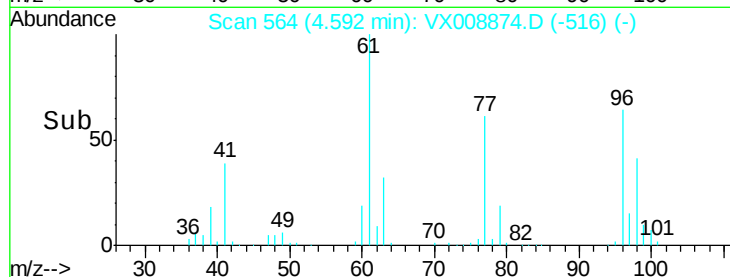
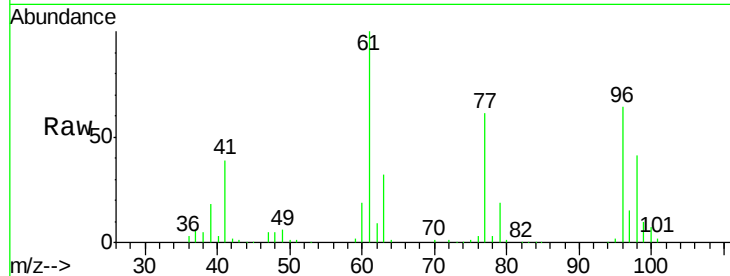
cis-1,2-Dichloroethene
Concen: 49.322 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	120213		
61	164.7	0.0	327.6	
98	64.3	0.0	128.6	

Manual Integrations
APPROVED

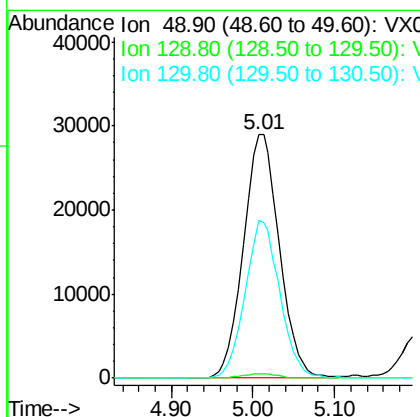
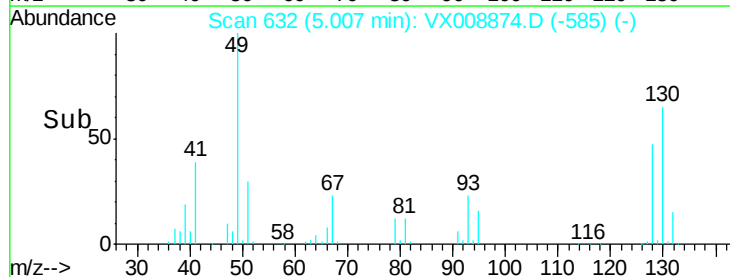
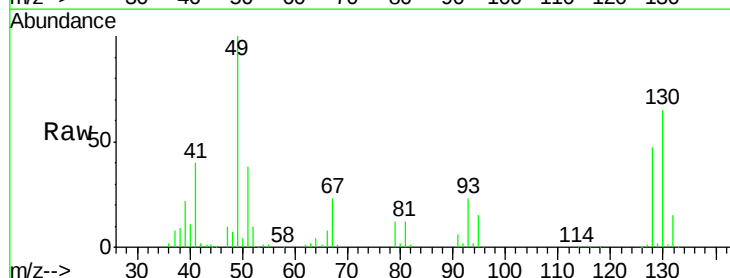
MMDadoda
4/13/2019 2:10:15 PM

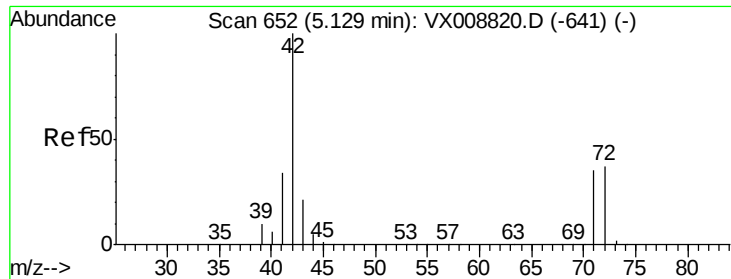


#28

Bromochloromethane
Concen: 49.708 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	88932		
129	1.8	0.0	3.6	
130	62.3	49.3	73.9	





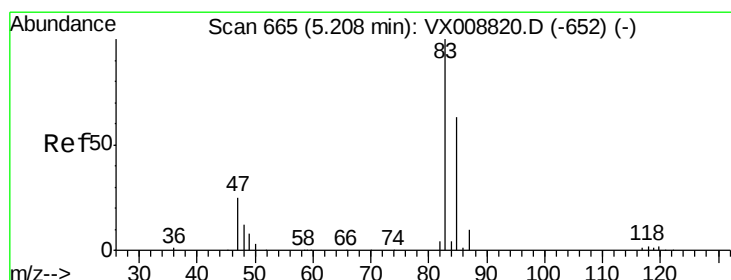
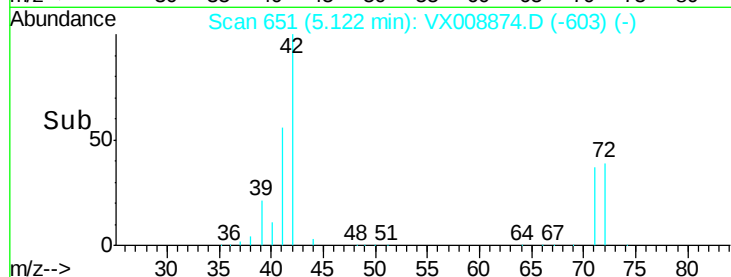
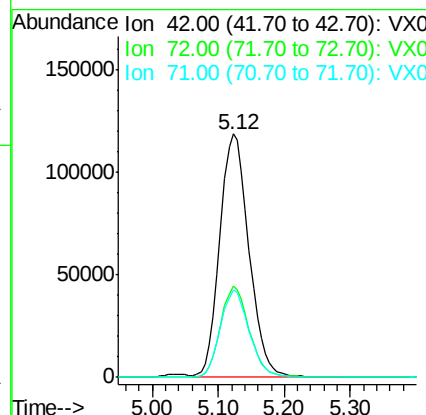
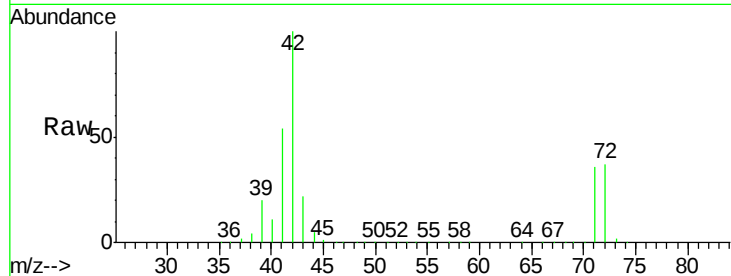
#29
Tetrahydrofuran
Concen: 241.946 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 361462
Ion Ratio Lower Upper
42 100
72 37.2 30.5 45.7
71 35.5 28.6 43.0

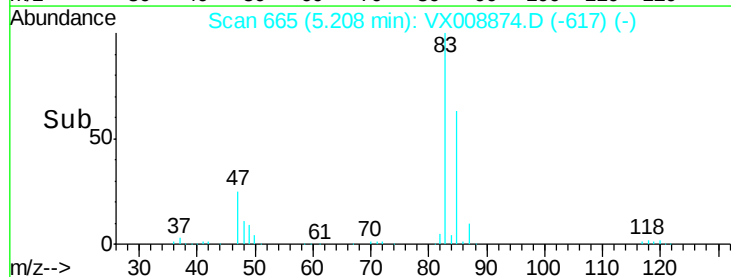
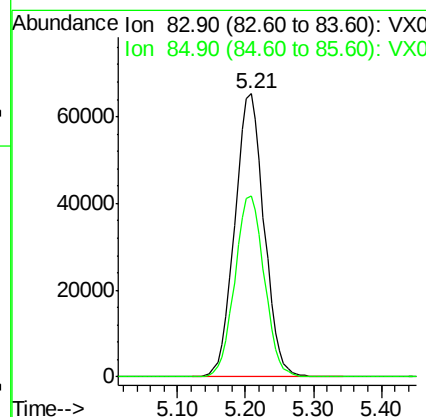
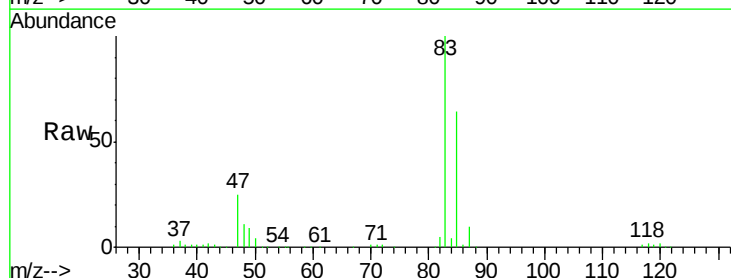
Manual Integrations
APPROVED

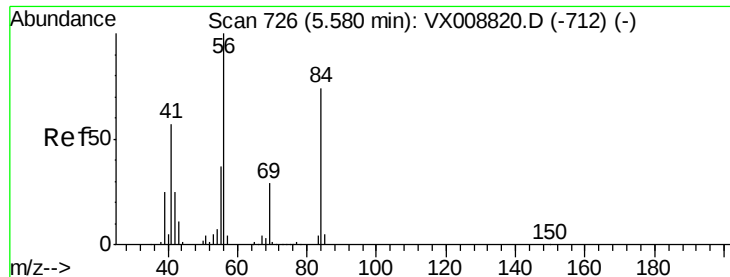
MMDadoda
4/13/2019 2:10:15 PM



#30
Chloroform
Concen: 50.968 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion: 83 Resp: 194904
Ion Ratio Lower Upper
83 100
85 63.8 52.1 78.1





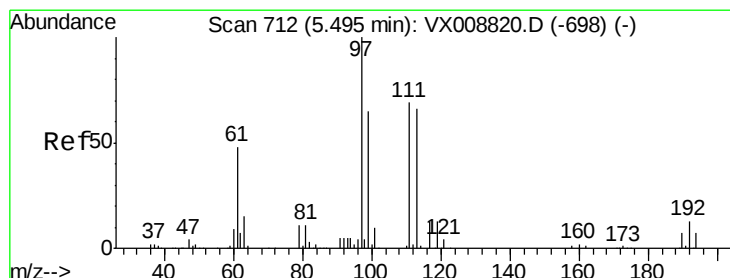
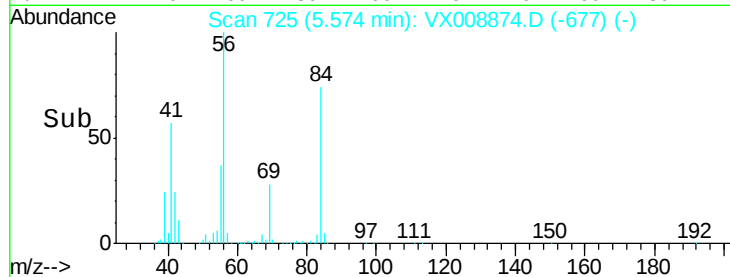
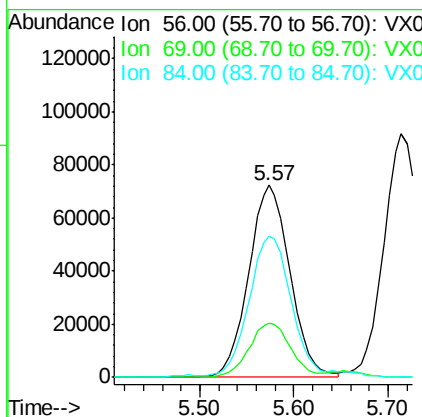
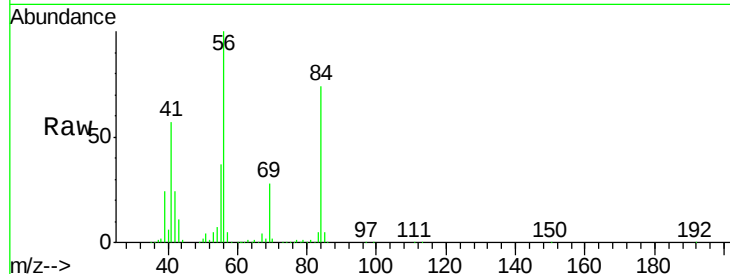
#31
Cyclohexane
Concen: 52.014 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.0	22.6	33.8
84	72.6	59.3	88.9

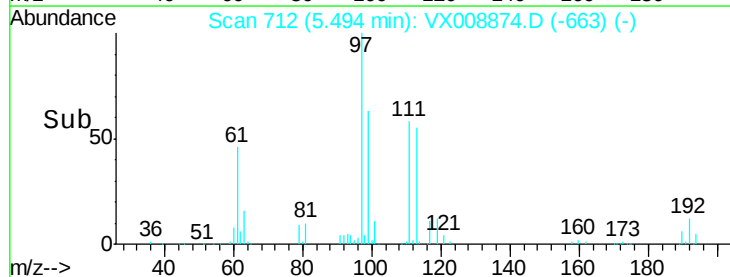
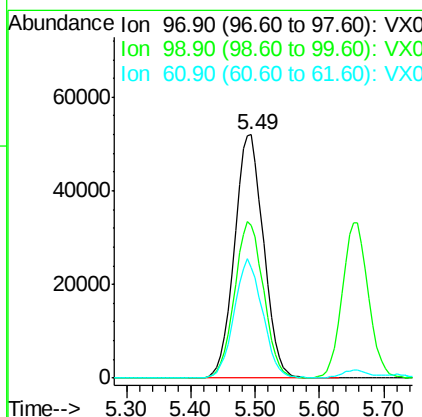
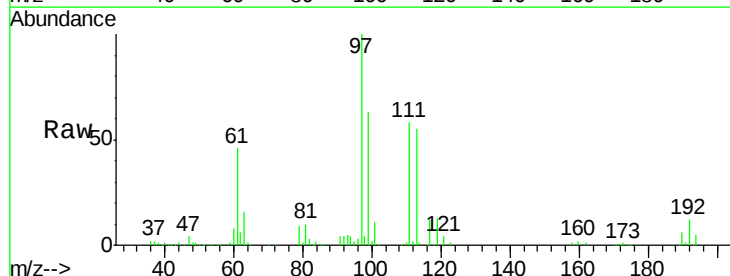
Manual Integrations
APPROVED

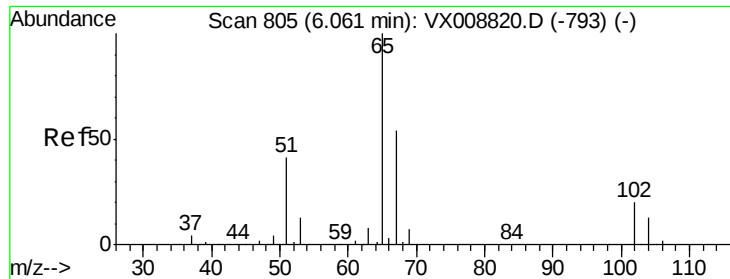
MMDadoda
4/13/2019 2:10:15 PM



#32
1,1,1-Trichloroethane
Concen: 52.512 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	47.8	38.9	58.3





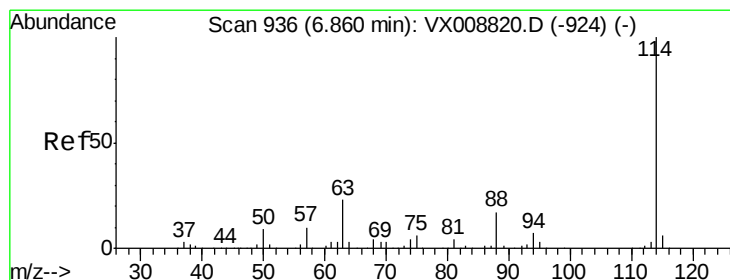
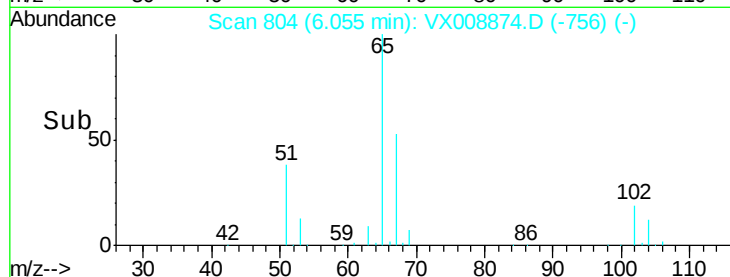
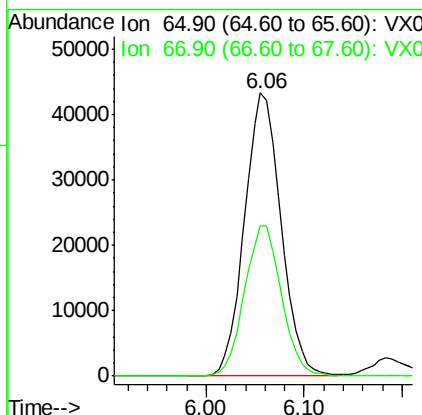
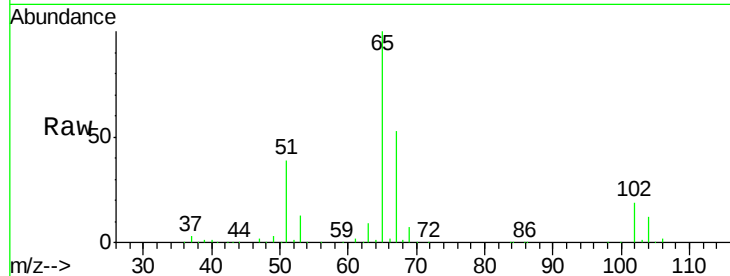
#33
 1,2-Dichloroethane-d4
 Concen: 45.644 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	112860		
67	53.6	0.0	107.2	

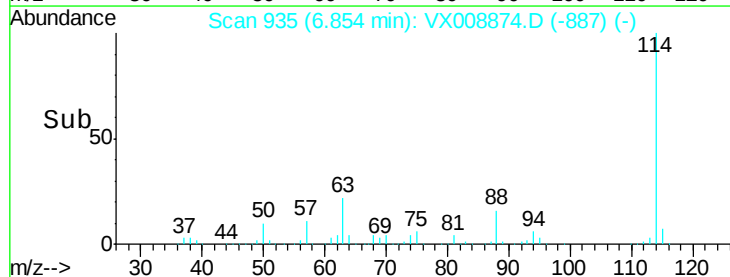
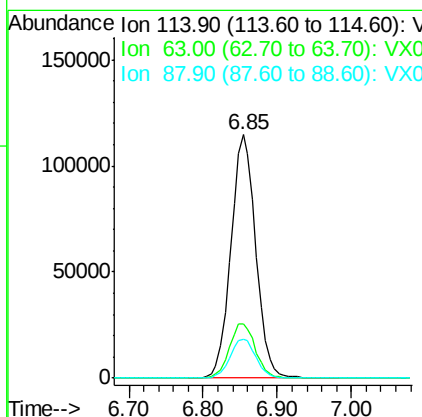
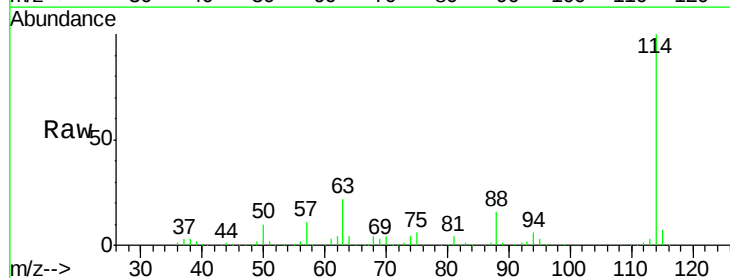
Manual Integrations
 APPROVED

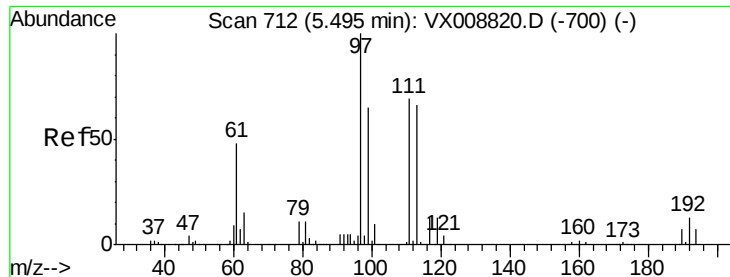
MMDadoda
 4/13/2019 2:10:15 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	268063		
63	22.4	0.0	47.2	
88	16.2	0.0	34.0	





#35

Dibromofluoromethane

Concen: 48.396 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

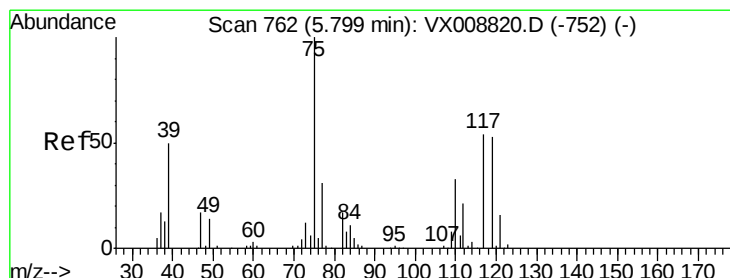
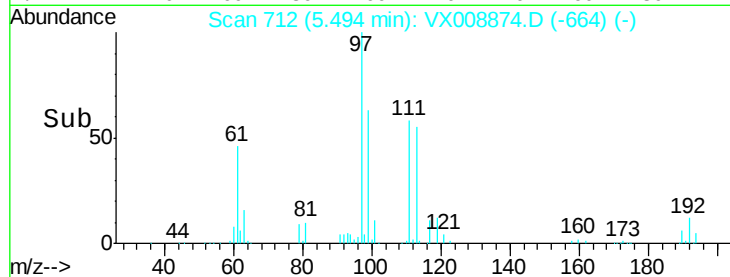
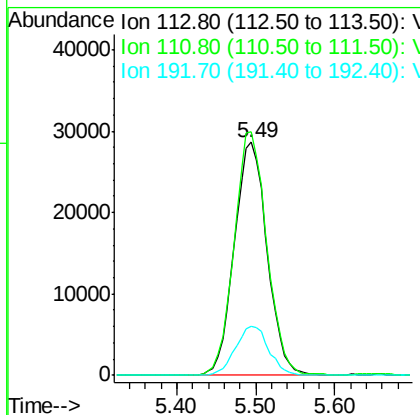
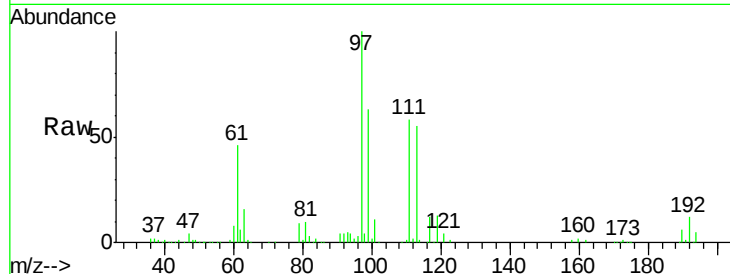
ClientSampleId :

VSTDCCC050

Tgt Ion:	113	Resp:	82945
Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.4	125.2
192	21.3	16.1	24.1

Manual Integrations
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4/13/2019 2:10:15 PM



#36

1,1-Dichloropropene

Concen: 53.907 ug/l

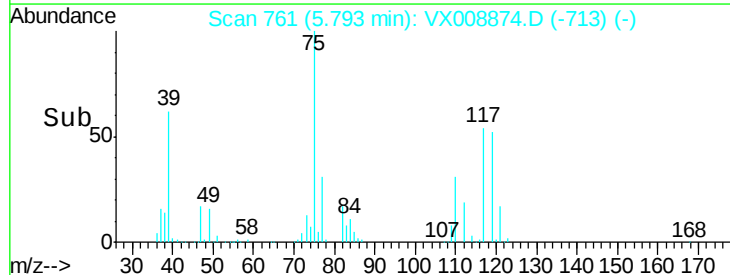
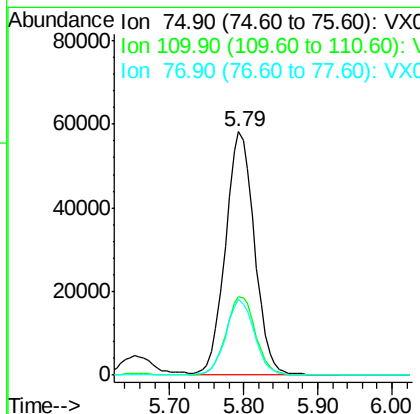
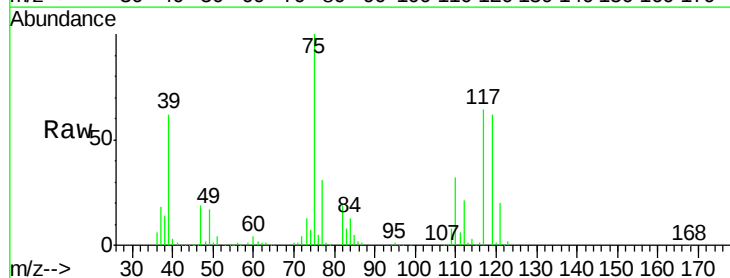
RT: 5.79 min Scan# 761

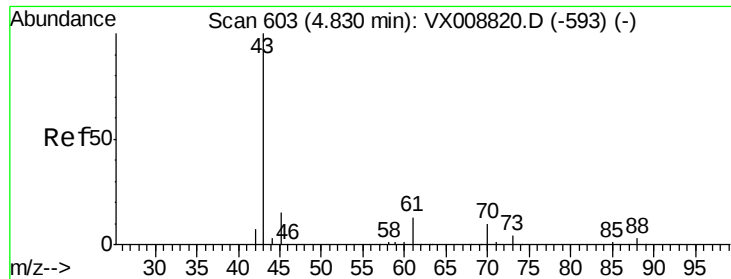
Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Tgt Ion:	75	Resp:	157959
Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.4	49.2
77	30.9	24.7	37.1





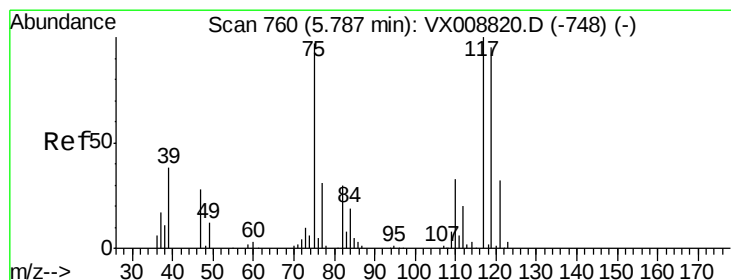
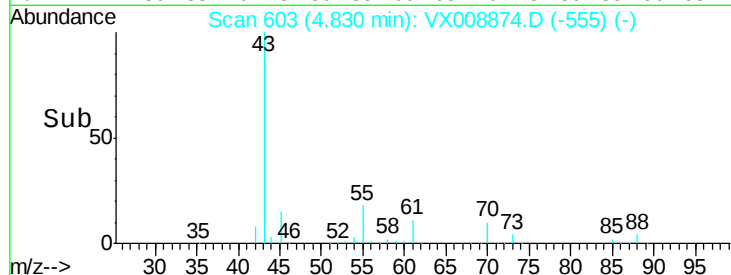
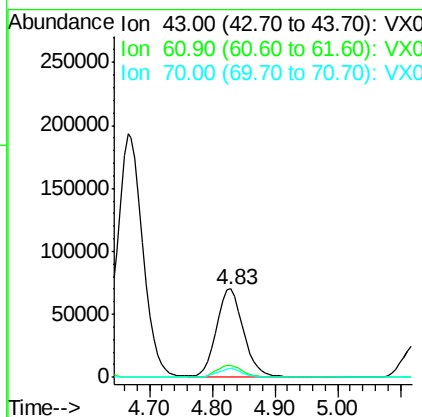
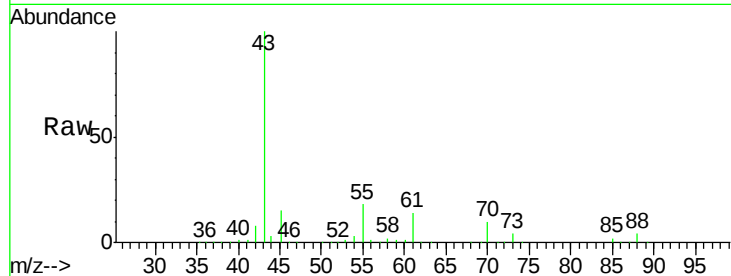
#37
Ethyl Acetate
Concen: 53.567 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tgt Ion: 43 Resp: 209512
Ion Ratio Lower Upper
43 100
61 12.9 10.3 15.5
70 9.6 7.6 11.4

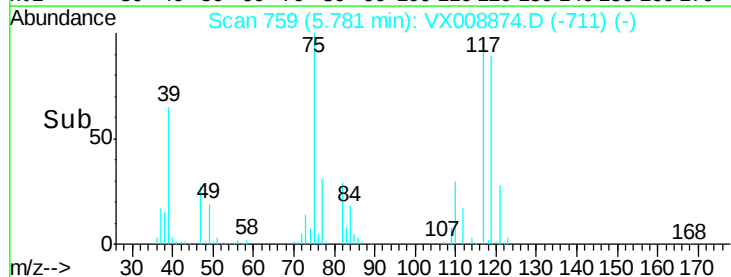
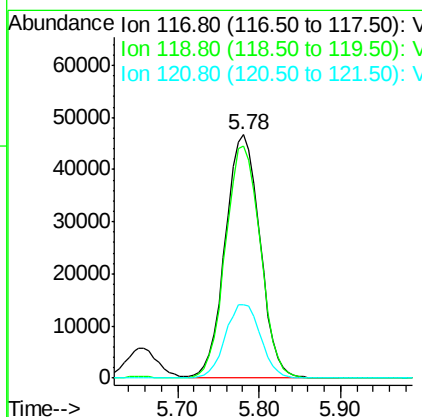
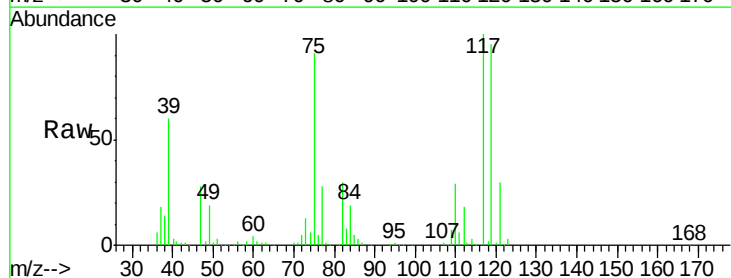
Manual Integrations
APPROVED

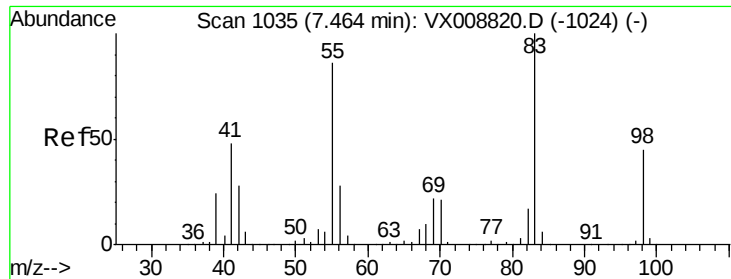
MMDadoda
4/13/2019 2:10:15 PM



#38
Carbon Tetrachloride
Concen: 56.664 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion: 117 Resp: 137422
Ion Ratio Lower Upper
117 100
119 95.3 75.0 112.6
121 30.0 24.3 36.5





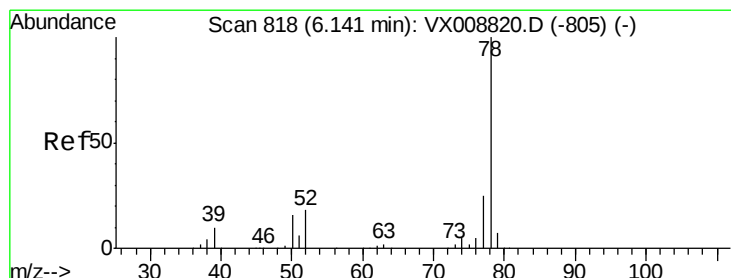
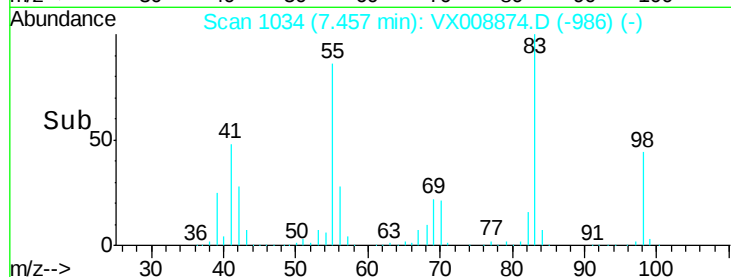
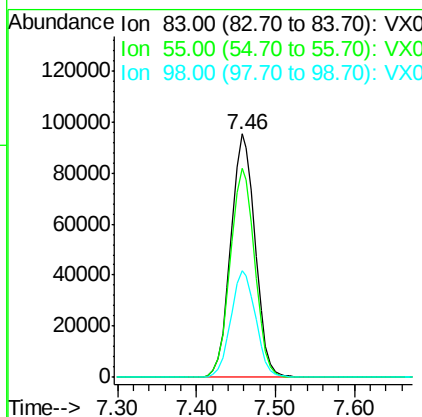
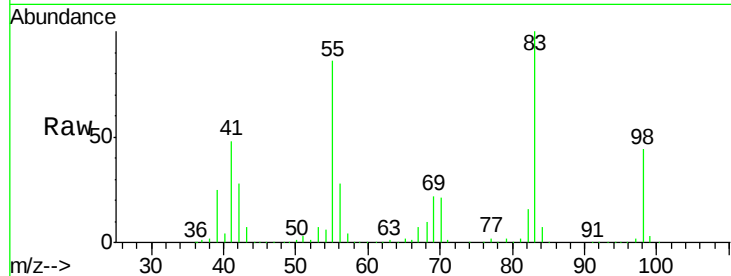
#39
Methylcyclohexane
Concen: 56.737 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	86.0	69.0	103.6
98	43.6	34.4	51.6

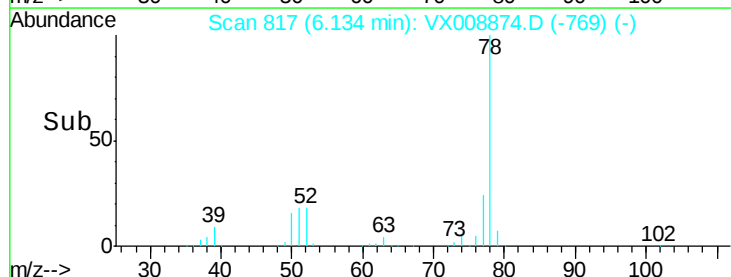
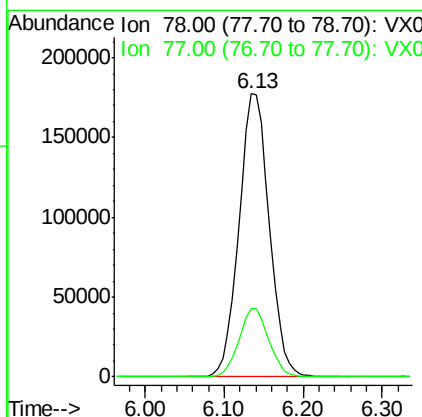
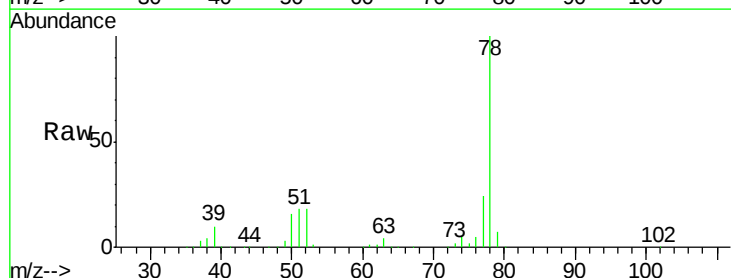
Manual Integrations
APPROVED

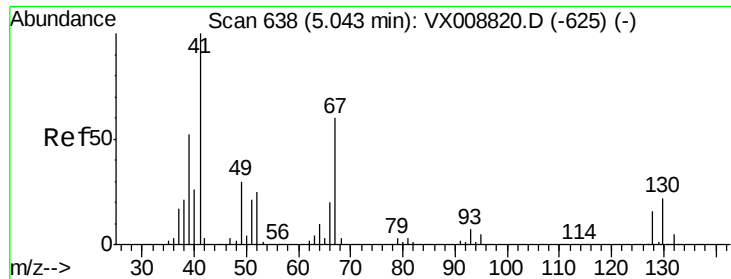
MMDadoda
4/13/2019 2:10:15 PM



#40
Benzene
Concen: 54.196 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.1	28.7





#41

Methacrylonitrile

Concen: 52.828 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

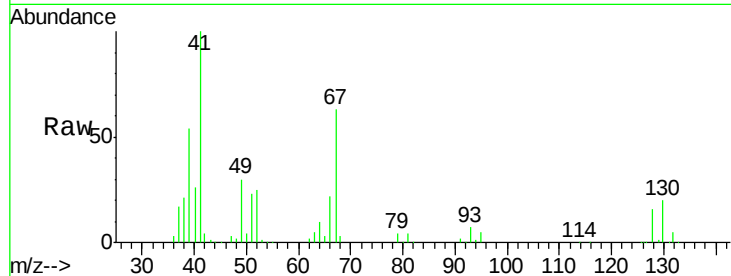
ClientSampleId :

VSTDCCC050

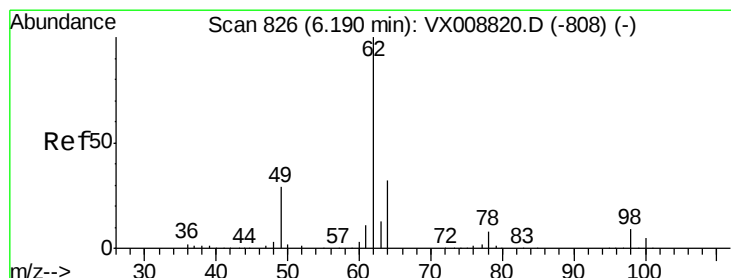
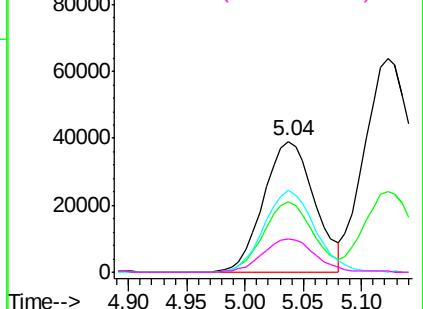
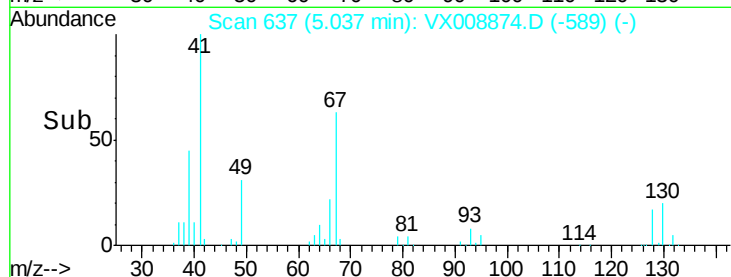
Tgt Ion	Ratio	Lower	Upper
41	100		
39	53.0	42.1	63.1
67	62.7	51.0	76.6
52	26.5	21.4	32.0

Manual Integrations
APPROVED

MMDadoda
4/13/2019 2:10:15 PM



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 52.804 ug/l

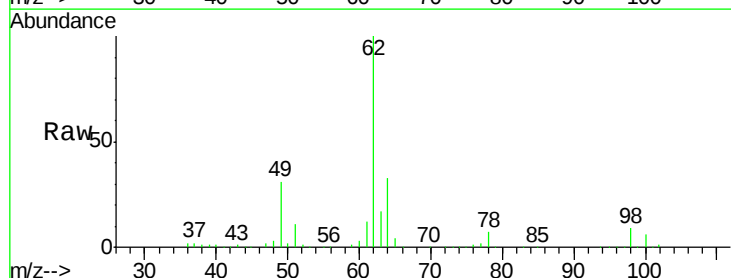
RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

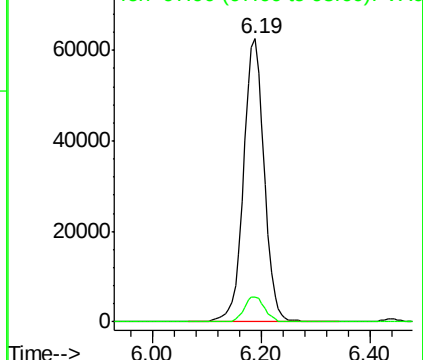
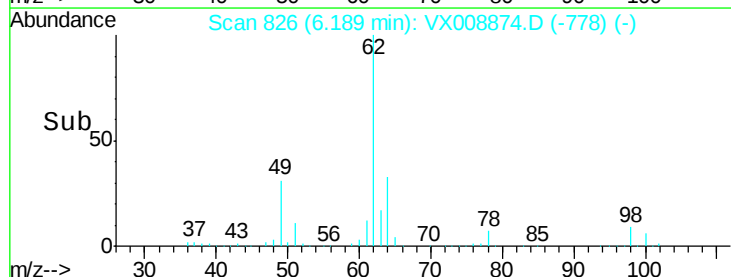
Lab File: VX008874.D

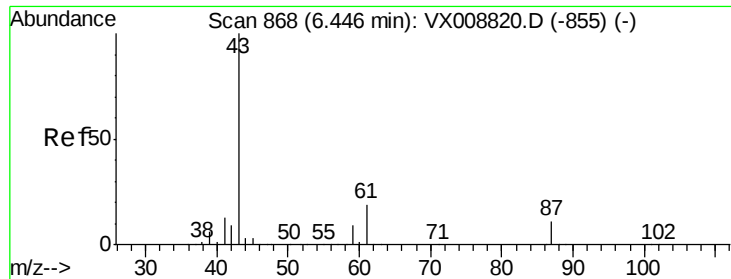
Acq: 12 Apr 2019 10:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.0



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 55.020 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

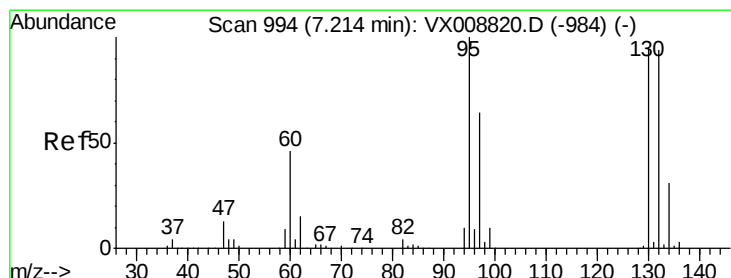
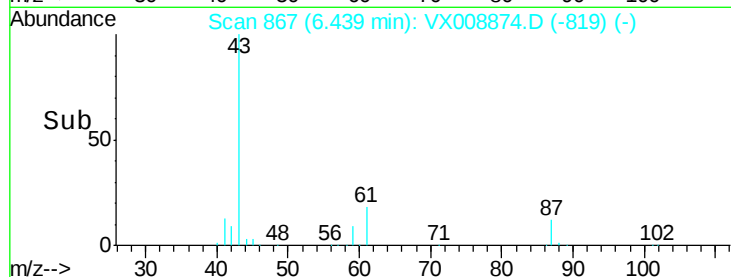
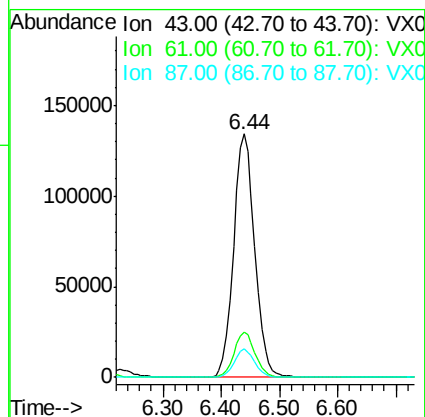
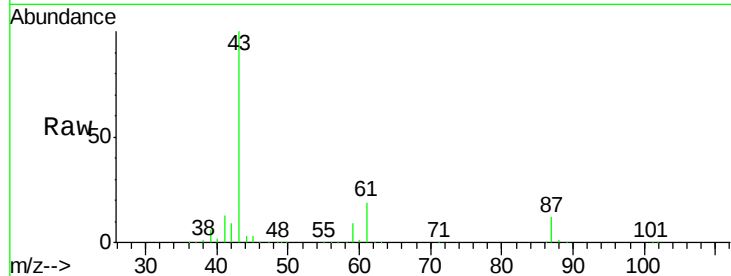
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	337102
Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.3	22.9
87	11.1	9.0	13.6

Manual Integrations
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MMDadoda
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#44

Trichloroethene

Concen: 55.505 ug/l

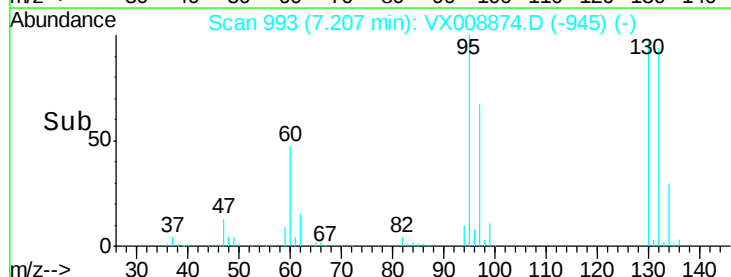
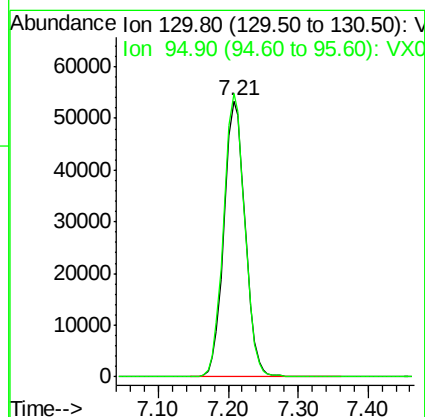
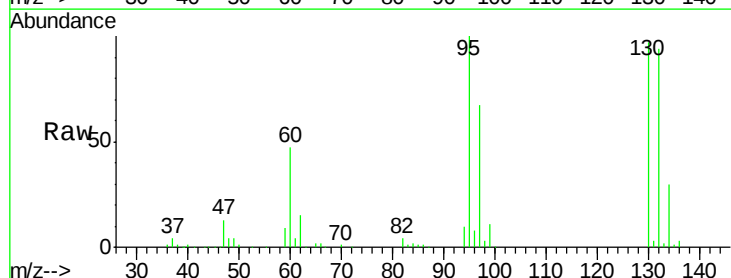
RT: 7.21 min Scan# 993

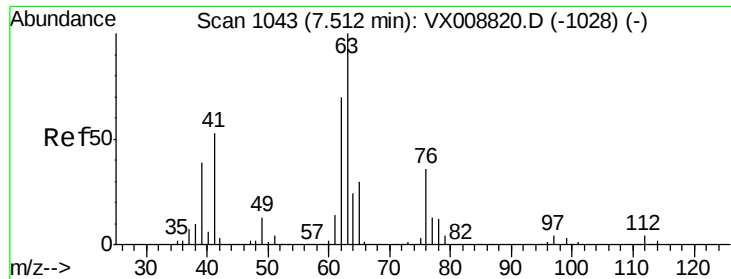
Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Tgt Ion:	130	Resp:	112850
Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	209.8





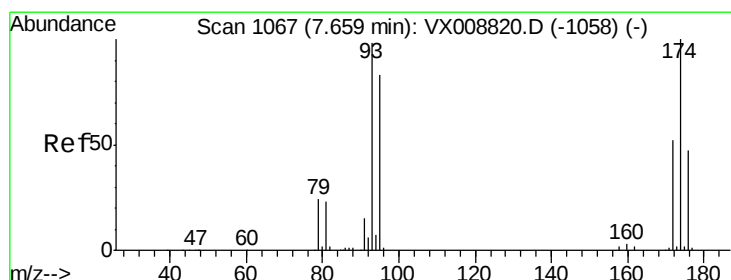
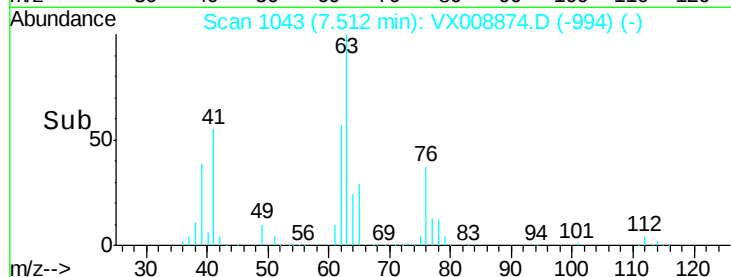
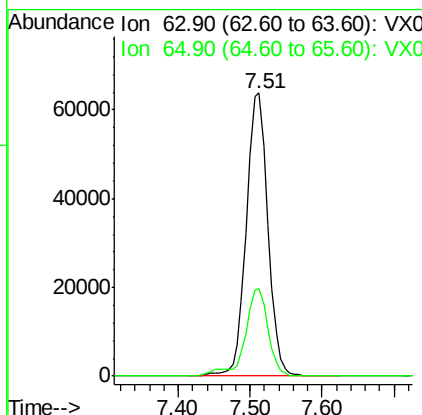
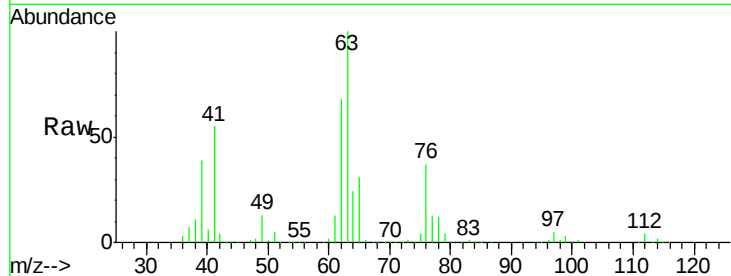
#45
 1,2-Dichloropropane
 Concen: 53.462 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 133205
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.2 36.4

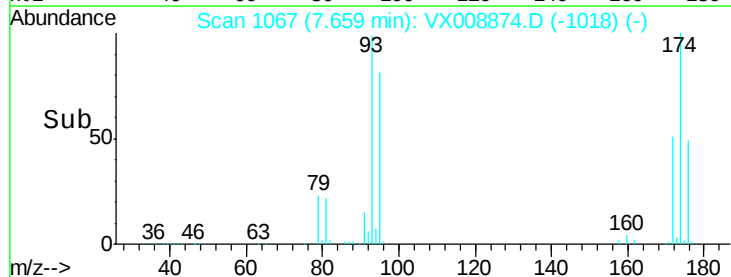
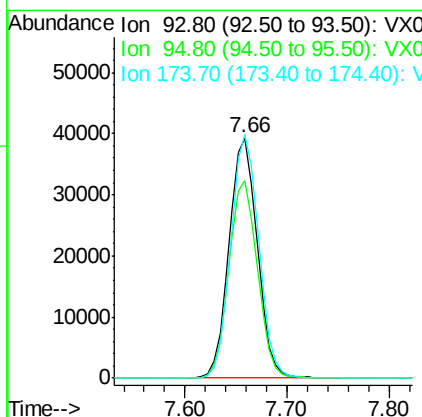
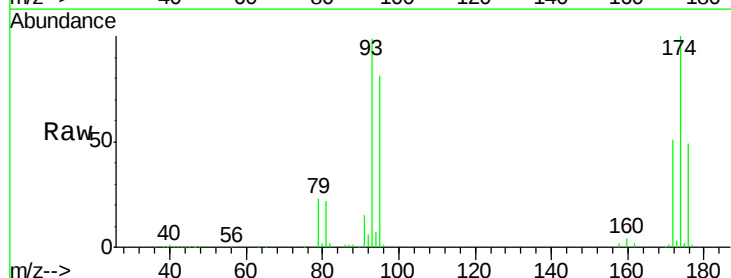
Manual Integrations
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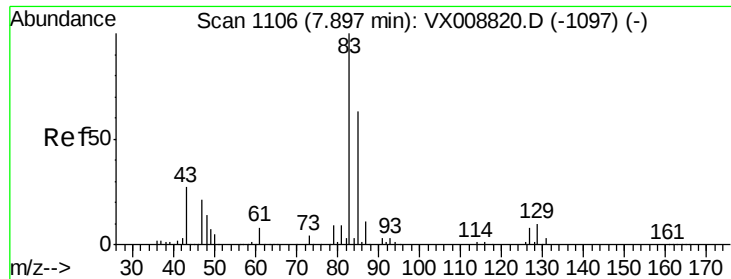
MMDadoda
 4/13/2019 2:10:15 PM



#46
 Dibromomethane
 Concen: 51.890 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Tgt Ion: 93 Resp: 74985
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 99.8
 174 100.8 77.7 116.5





#47

Bromodichloromethane

Concen: 55.623 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

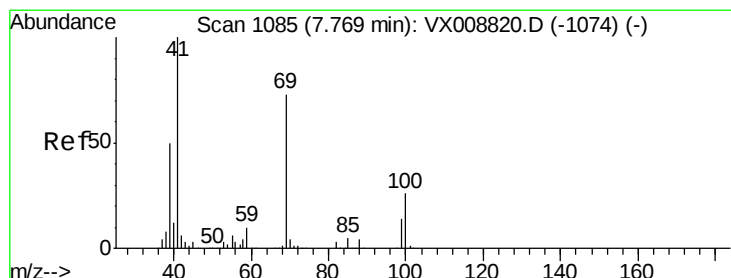
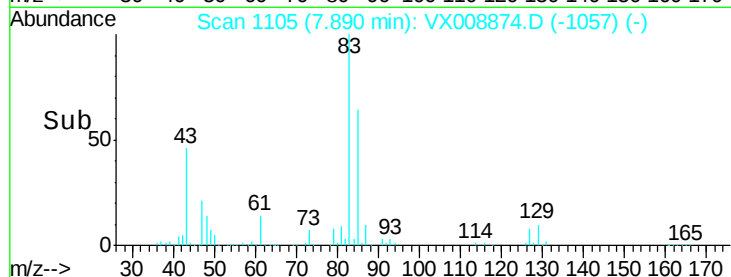
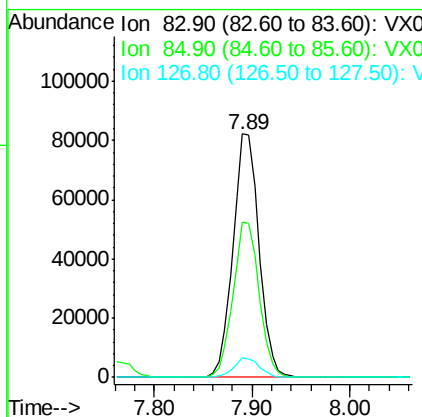
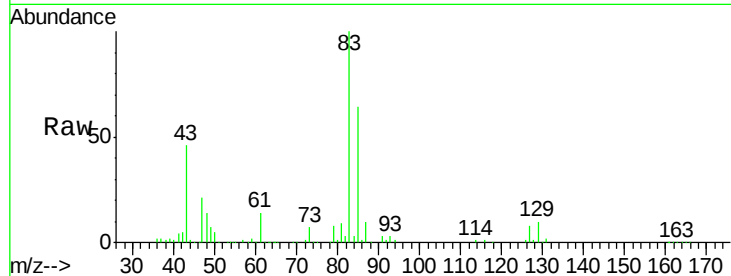
ClientSampled :

VSTDCCC050

Tgt Ion:	83	Resp:	151555
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.2	76.8
127	8.0	6.6	10.0

Manual Integrations
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MMDadoda
4/13/2019 2:10:15 PM



#48

Methyl methacrylate

Concen: 55.291 ug/l

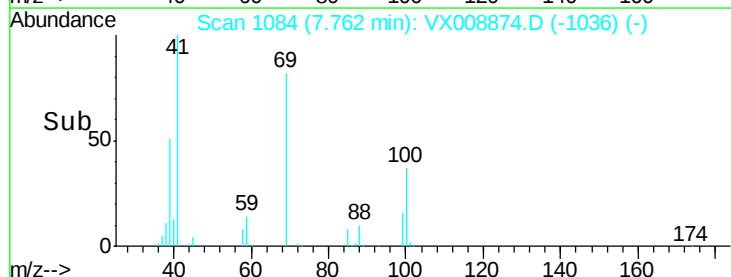
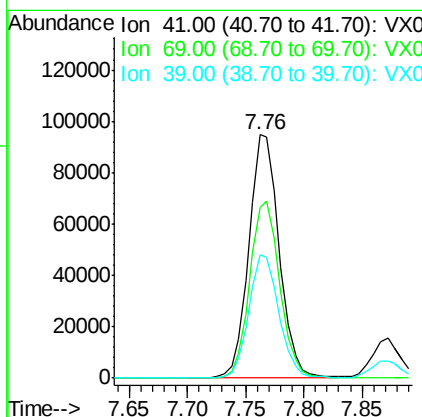
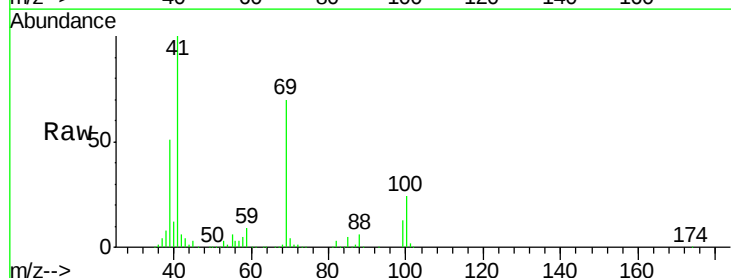
RT: 7.76 min Scan# 1084

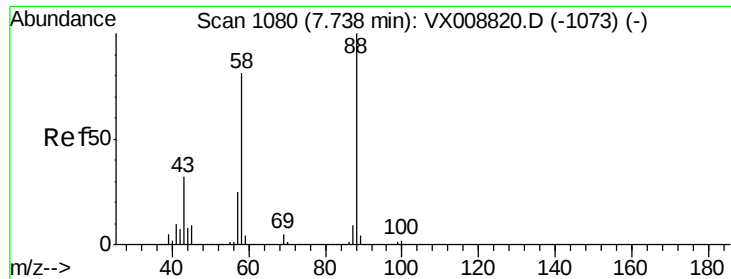
Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Tgt Ion:	41	Resp:	171364
Ion	Ratio	Lower	Upper
41	100		
69	73.0	59.0	88.4
39	50.9	41.0	61.4





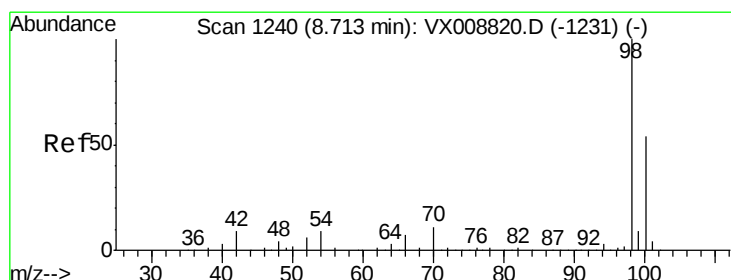
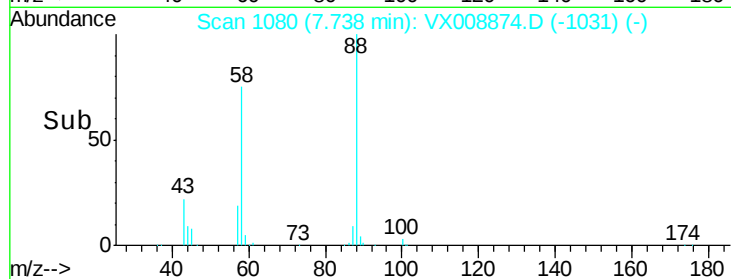
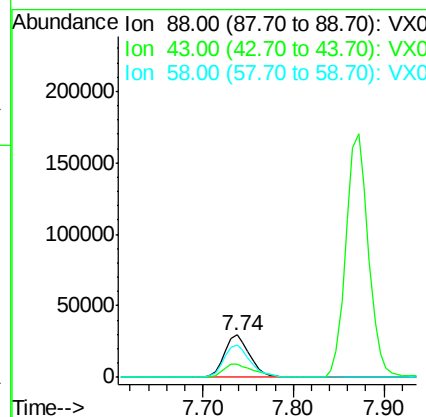
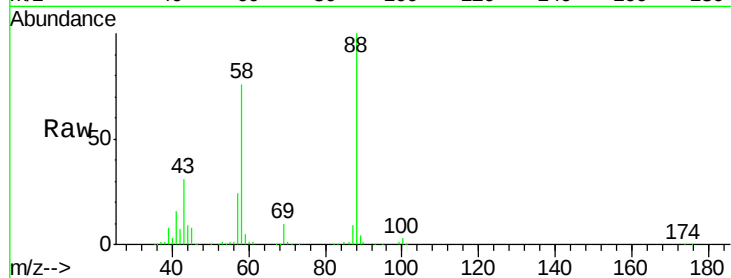
#49
1,4-Dioxane
Concen: 999.904 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	37.6	28.6	43.0
58	79.2	62.2	93.2

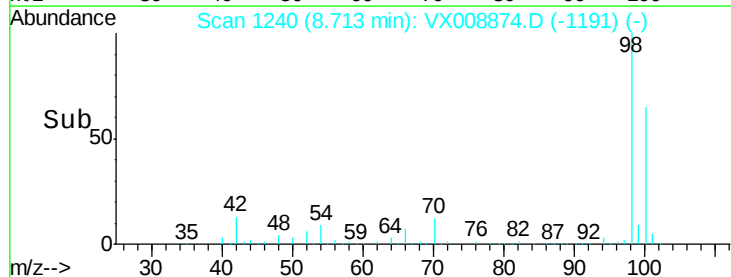
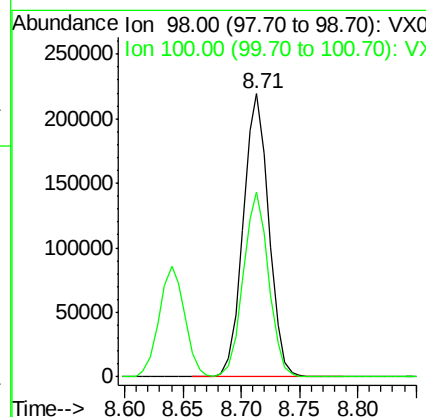
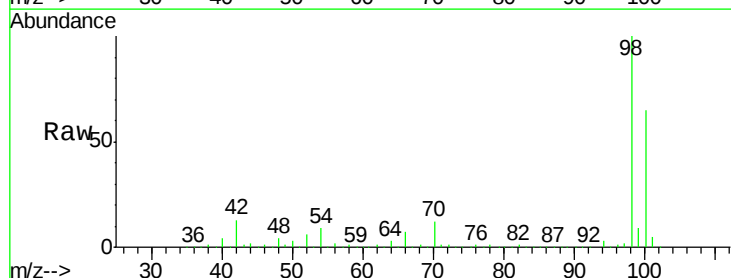
Manual Integrations
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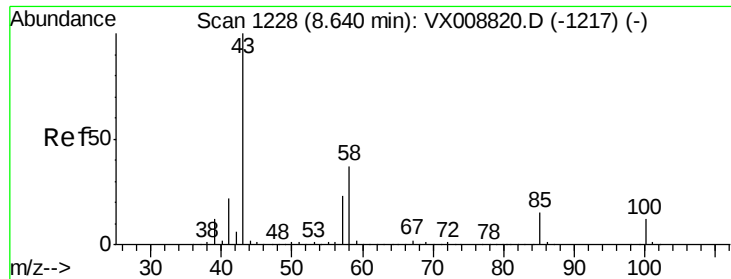
MMDadoda
4/13/2019 2:10:15 PM



#50
Toluene-d8
Concen: 49.248 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0





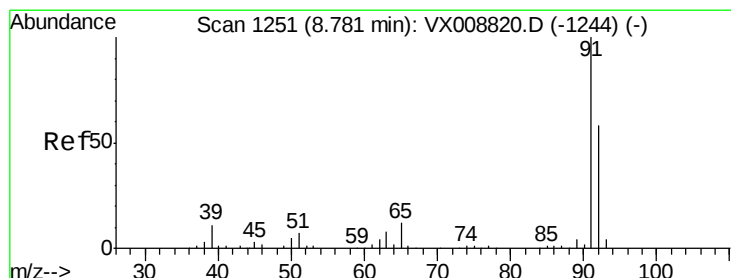
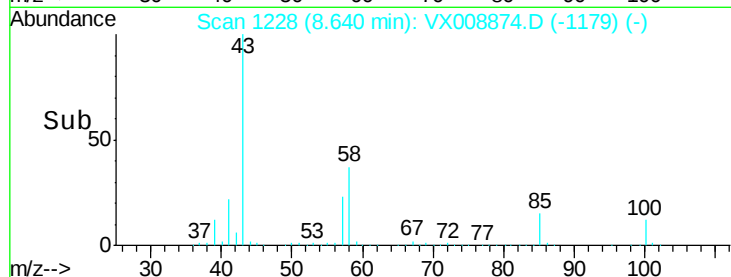
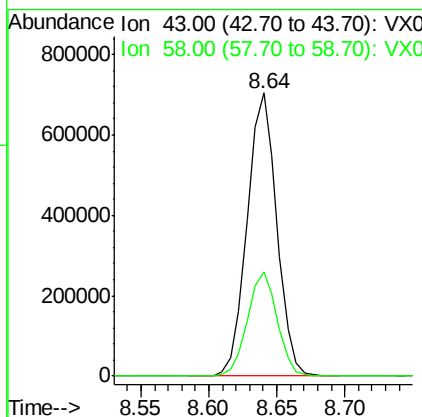
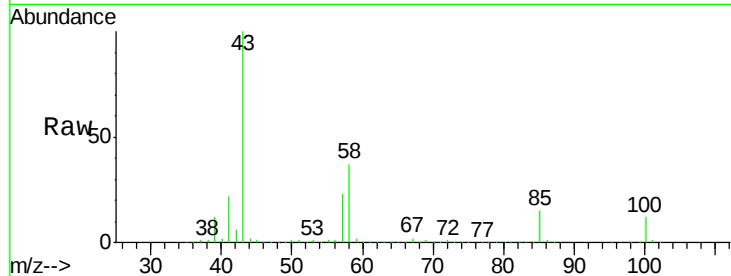
#51
4-Methyl-2-Pentanone
Concen: 272.869 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1076227
Ion Ratio Lower Upper
43 100
58 36.7 29.5 44.3

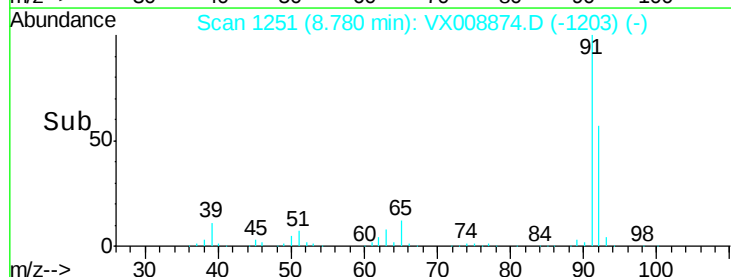
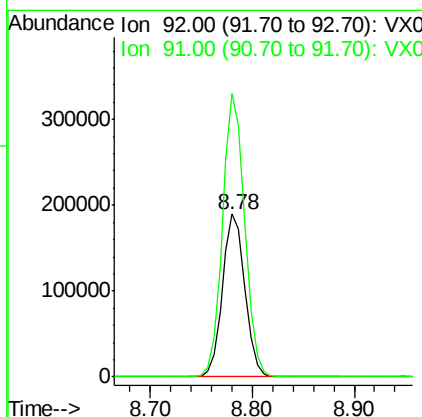
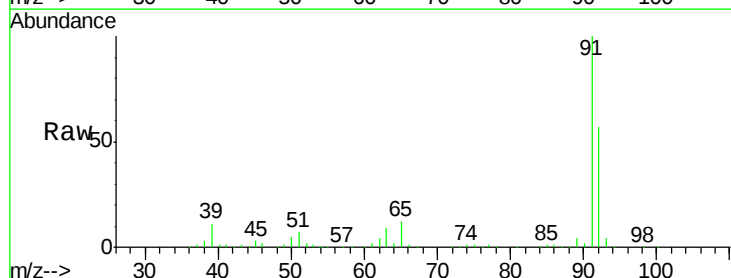
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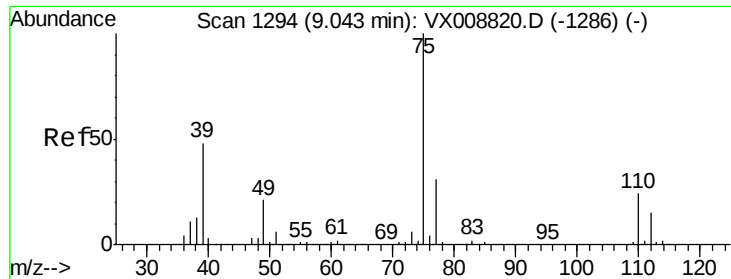
MMDadoda
4/13/2019 2:10:15 PM



#52
Toluene
Concen: 56.044 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion: 92 Resp: 288428
Ion Ratio Lower Upper
92 100
91 172.1 138.5 207.7





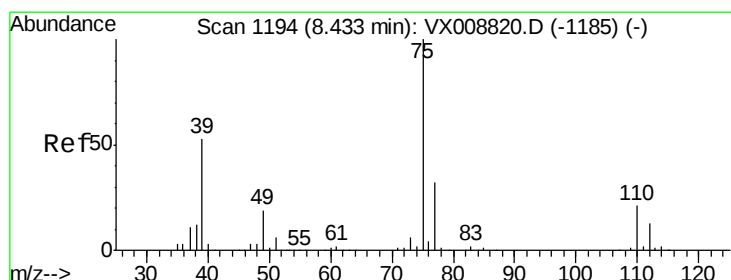
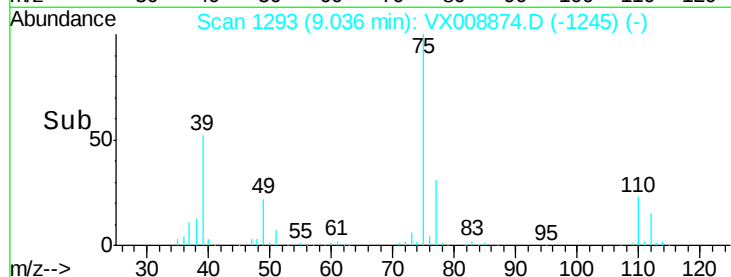
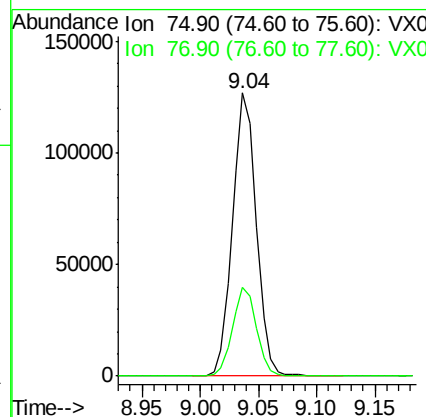
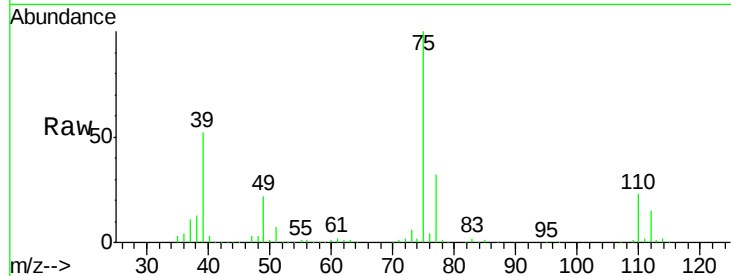
#53
t-1,3-Dichloropropene
Concen: 59.142 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 180509
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8

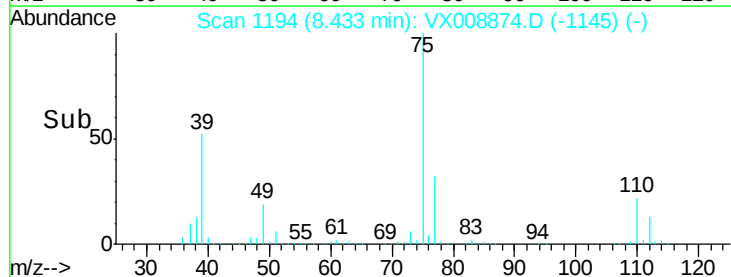
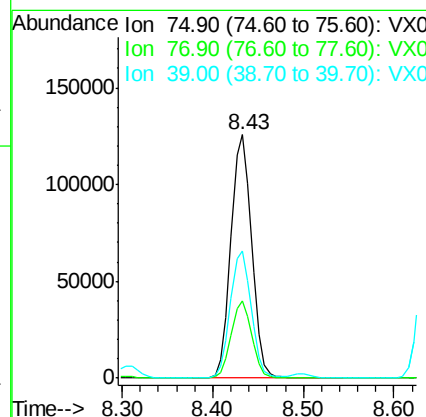
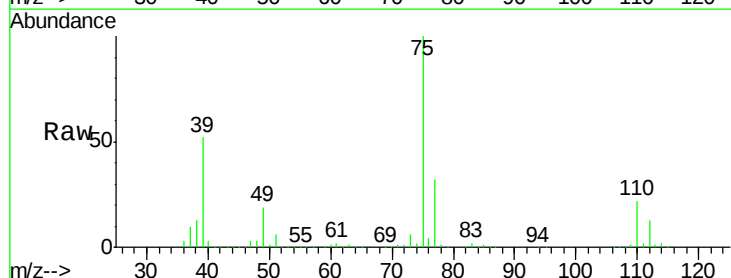
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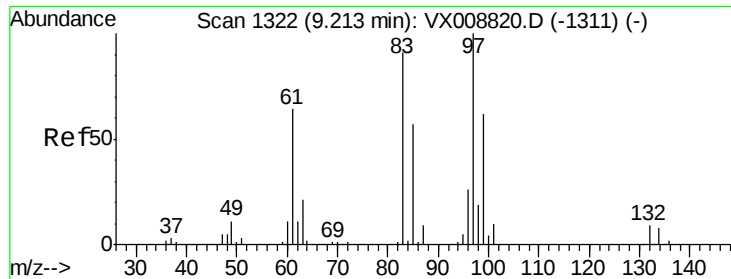
MMDadoda
4/13/2019 2:10:15 PM



#54
cis-1,3-Dichloropropene
Concen: 57.391 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion: 75 Resp: 200150
Ion Ratio Lower Upper
75 100
77 31.9 25.3 37.9
39 52.3 42.6 63.8





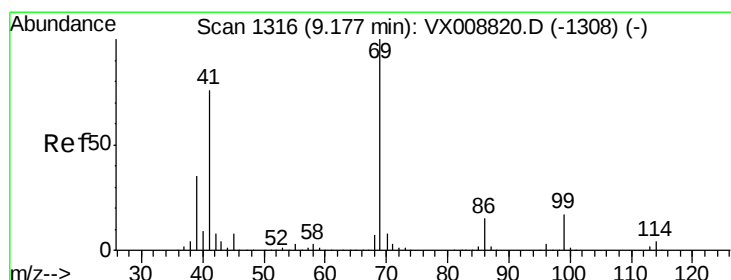
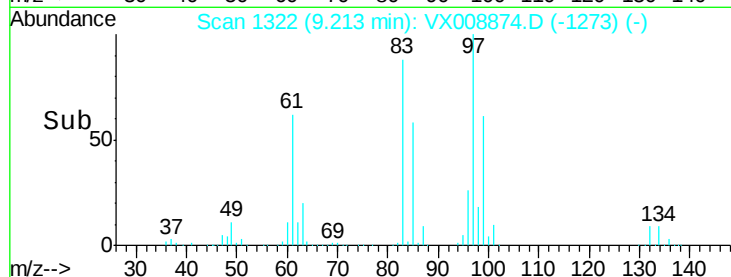
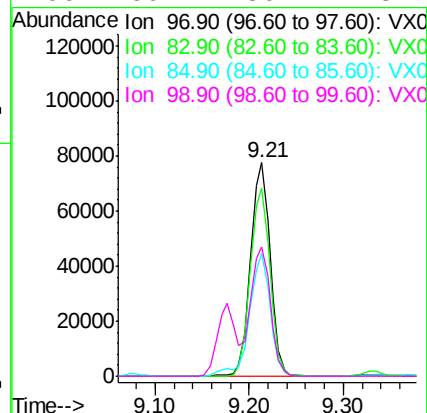
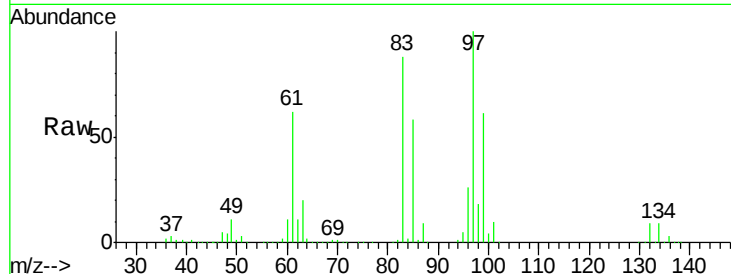
#55
 1,1,2-Trichloroethane
 Concen: 54.946 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	113509
Ion	Ratio	Lower	Upper
97	100		
83	88.3	73.2	109.8
85	57.8	46.6	69.8
99	60.7	50.1	75.1

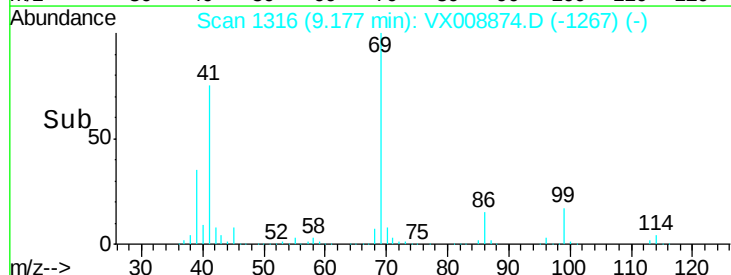
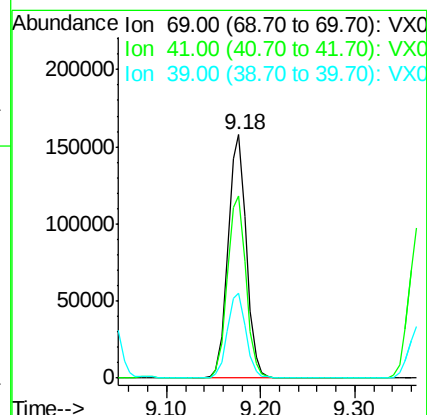
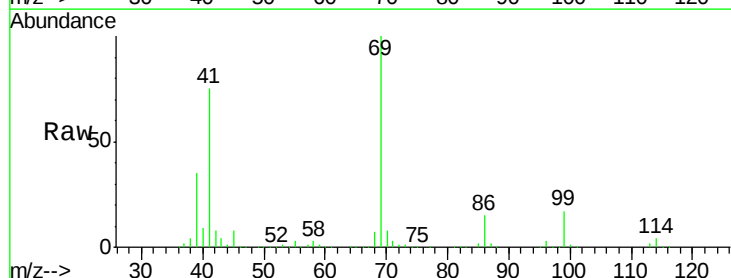
Manual Integrations
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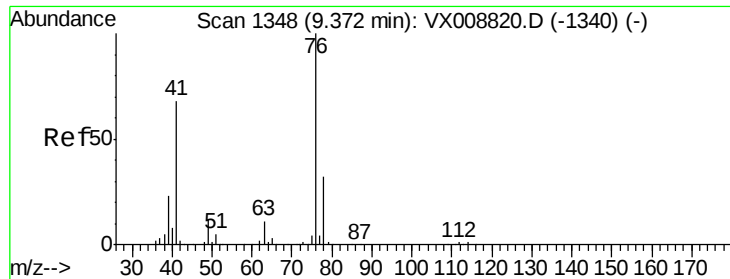
MMDadoda
 4/13/2019 2:10:15 PM



#56
 Ethyl methacrylate
 Concen: 56.608 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Tgt Ion:	69	Resp:	211584
Ion	Ratio	Lower	Upper
69	100		
41	76.0	60.1	90.1
39	35.5	28.9	43.3





#57

1,3-Dichloropropane

Concen: 53.985 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 200256

Ion Ratio Lower Upper

76 100

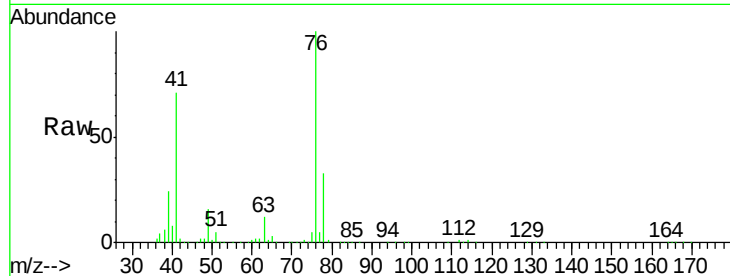
78 32.3 25.6 38.4

Manual Integrations

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MMDadoda

4/13/2019 2:10:15 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

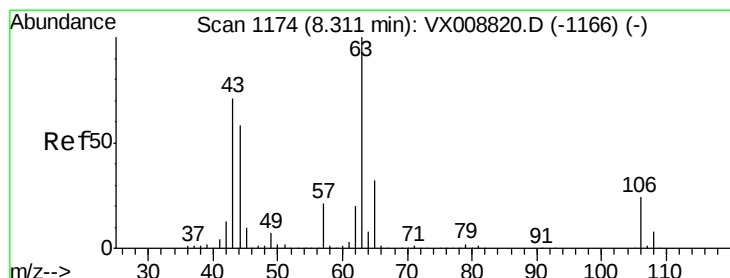
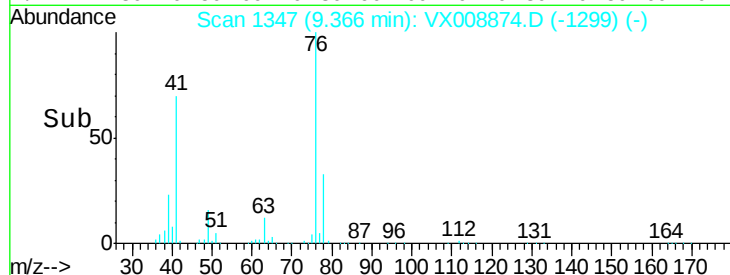
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 264.049 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008874.D

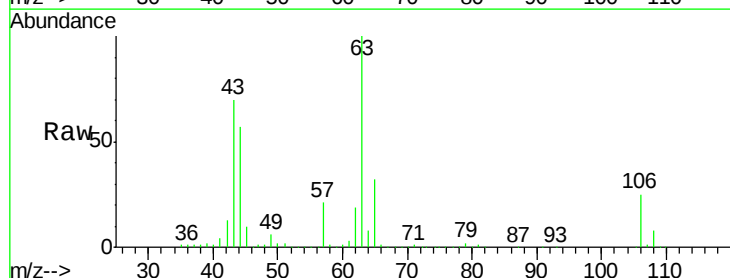
Acq: 12 Apr 2019 10:10

Tgt Ion: 63 Resp: 503952

Ion Ratio Lower Upper

63 100

106 24.2 19.0 28.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

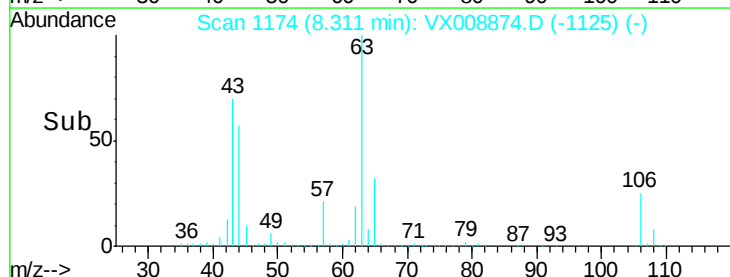
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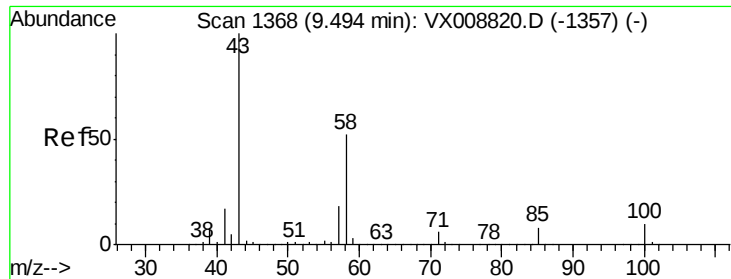
200000

100000

0

Time-->





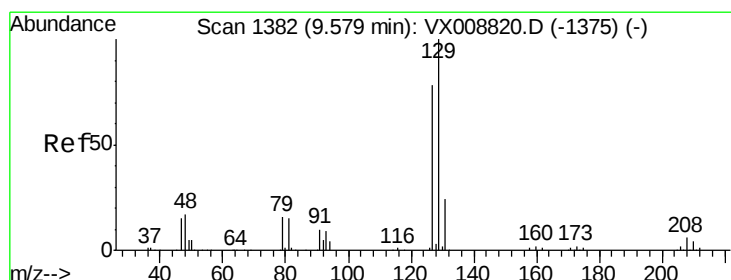
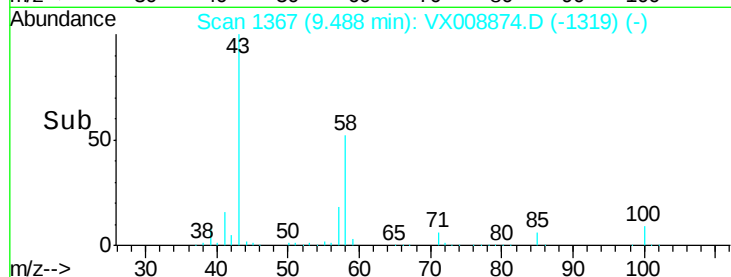
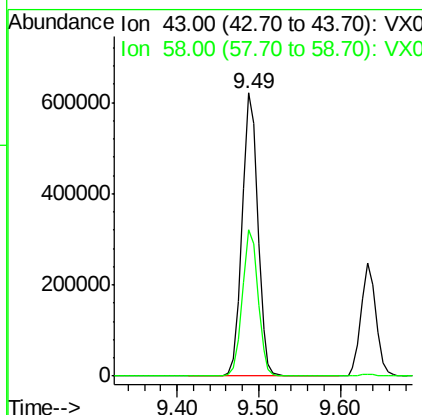
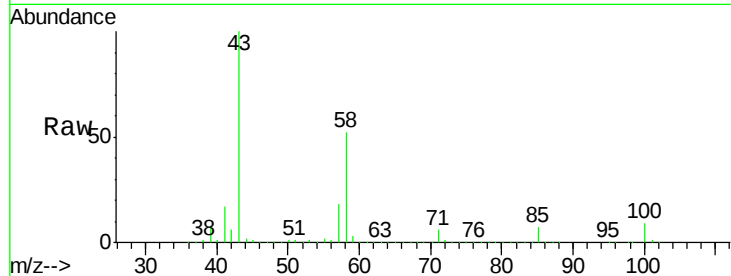
#59
2-Hexanone
Concen: 266.872 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 818006
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.7

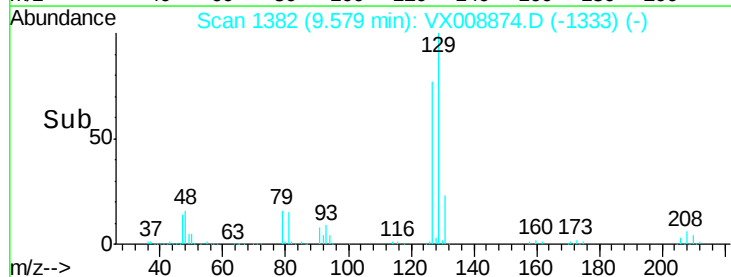
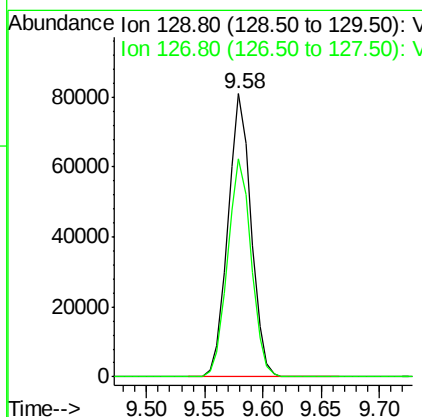
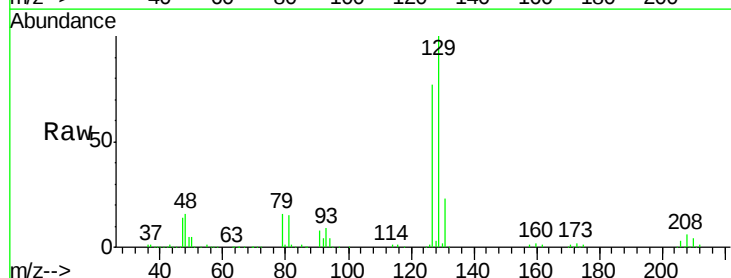
Manual Integrations
APPROVED

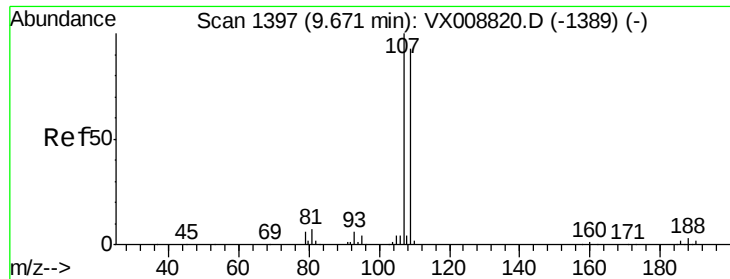
MMDadoda
4/13/2019 2:10:15 PM



#60
Dibromochloromethane
Concen: 57.600 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion: 129 Resp: 112127
Ion Ratio Lower Upper
129 100
127 78.5 38.5 115.3





#61

1,2-Dibromoethane

Concen: 53.773 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 115644

Ion Ratio Lower Upper

107 100

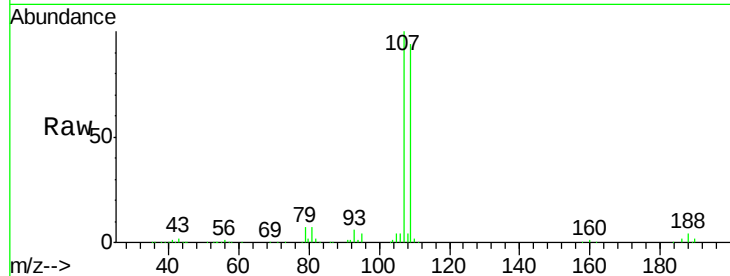
109 94.2 74.1 111.1

Manual Integrations

APPROVED

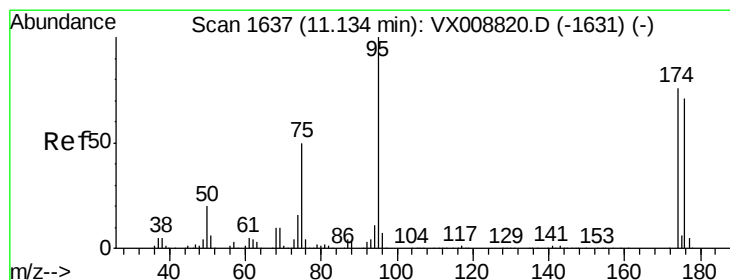
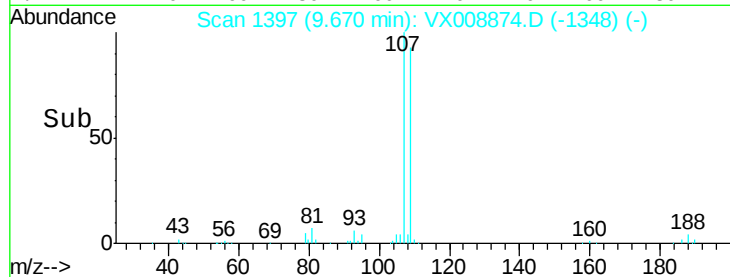
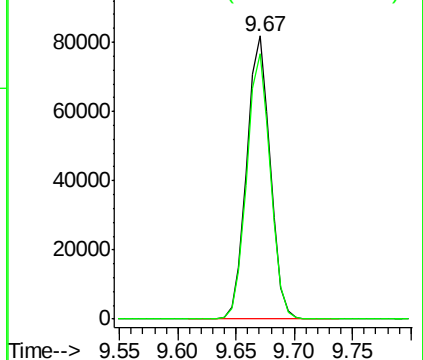
MMDadoda

4/13/2019 2:10:15 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.690 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

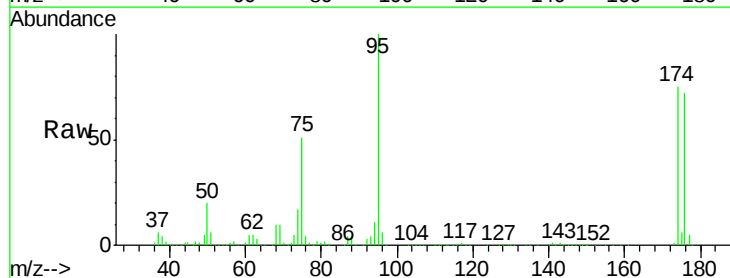
Tgt Ion: 95 Resp: 125089

Ion Ratio Lower Upper

95 100

174 79.3 0.0 151.8

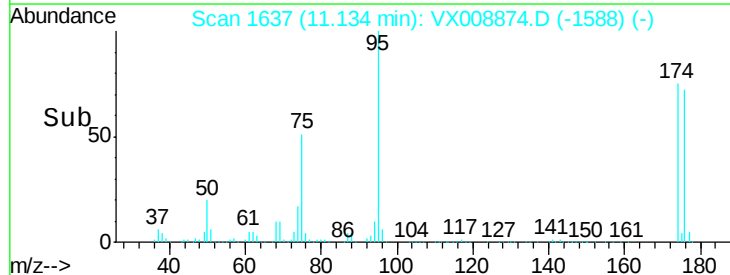
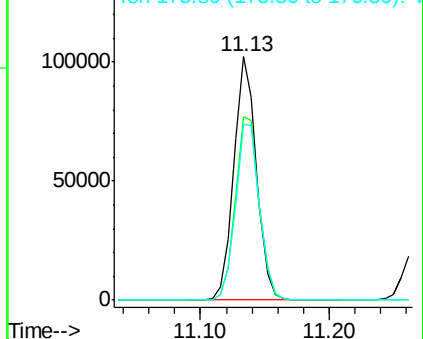
176 76.6 0.0 145.8

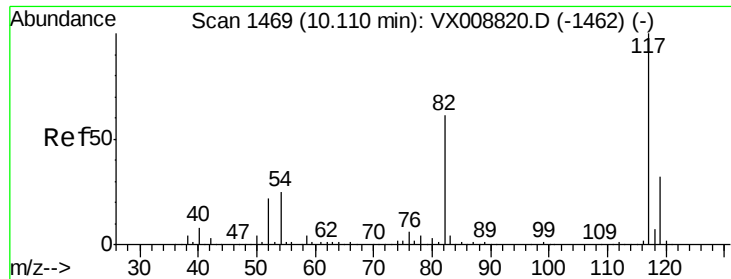


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





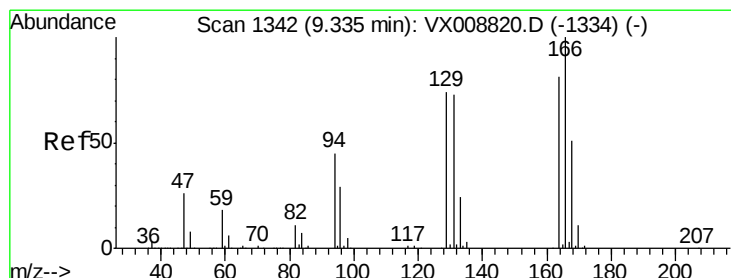
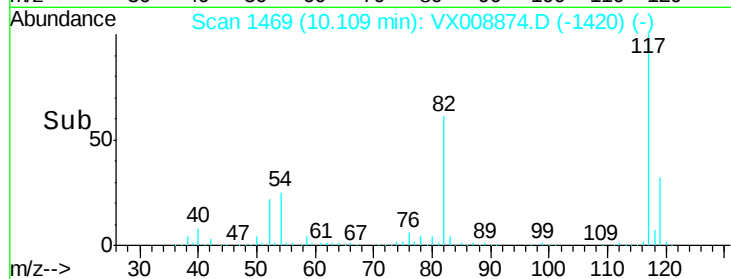
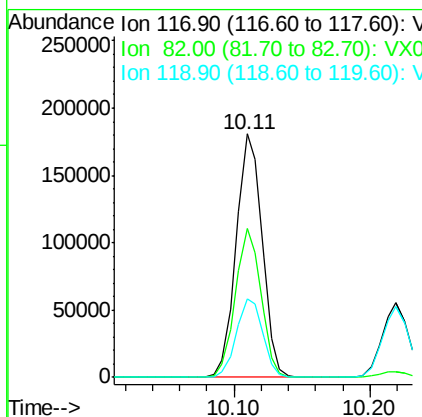
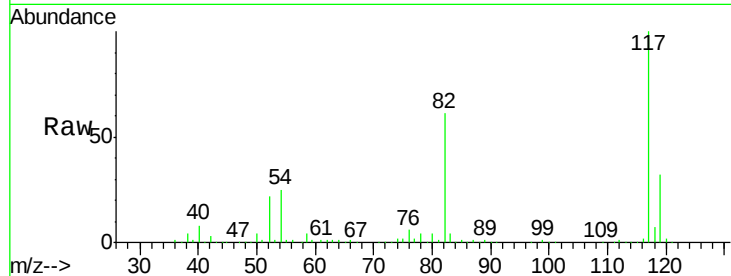
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	240604		
82	60.9	49.6	74.4	
119	32.0	25.0	37.4	

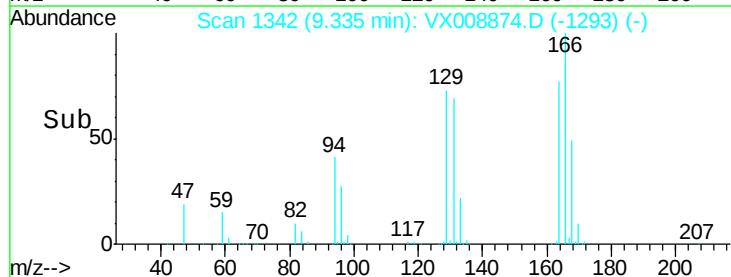
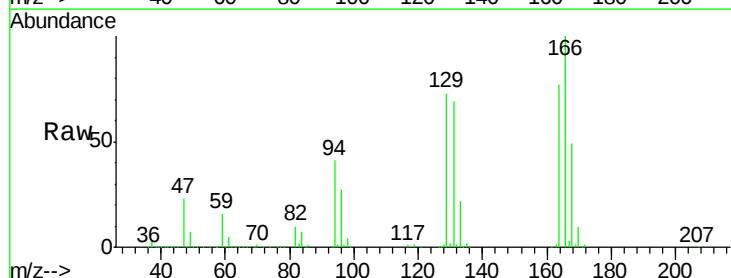
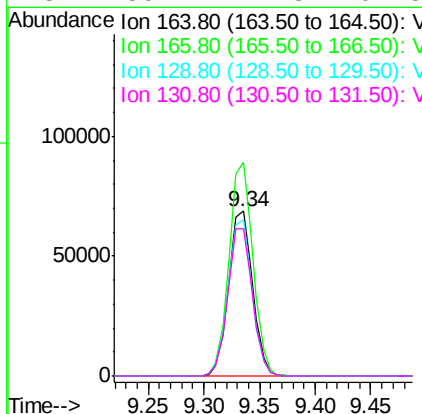
Manual Integrations
APPROVED

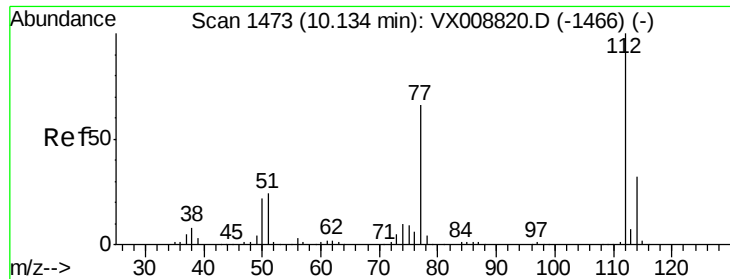
MMDadoda
4/13/2019 2:10:15 PM



#64
Tetrachloroethene
Concen: 57.754 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	102954		
166	129.7	101.0	151.6	
129	95.1	75.8	113.8	
131	89.7	71.8	107.8	





#65

Chlorobenzene

Concen: 55.476 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 295879

Ion Ratio Lower Upper

112 100

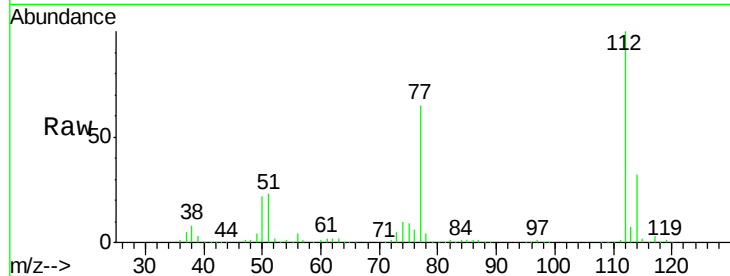
114 31.9 25.8 38.8

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

250000

200000

150000

100000

50000

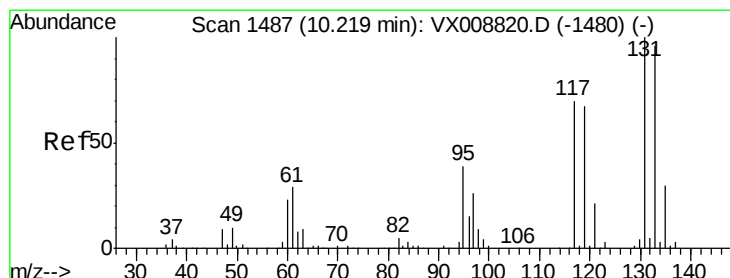
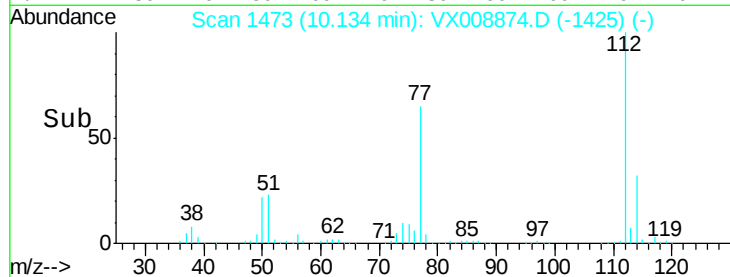
0

10.13

10.20

10.30

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 56.025 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

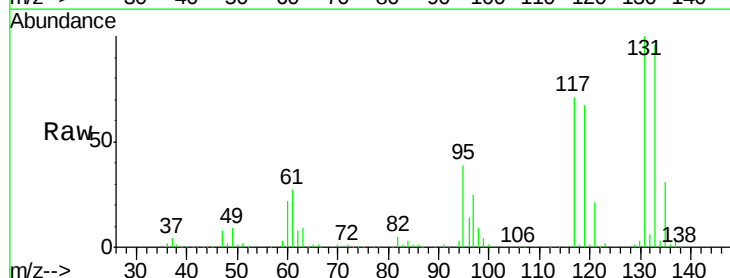
Tgt Ion:131 Resp: 104827

Ion Ratio Lower Upper

131 100

133 95.8 47.0 141.2

119 67.8 33.7 101.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

100000

80000

60000

40000

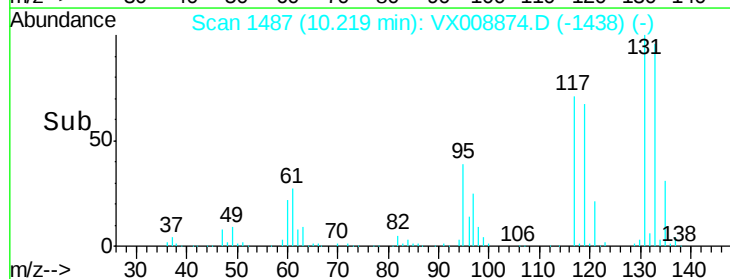
20000

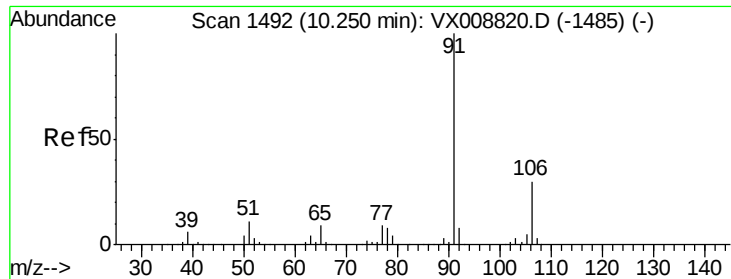
0

10.22

10.30

Time-->





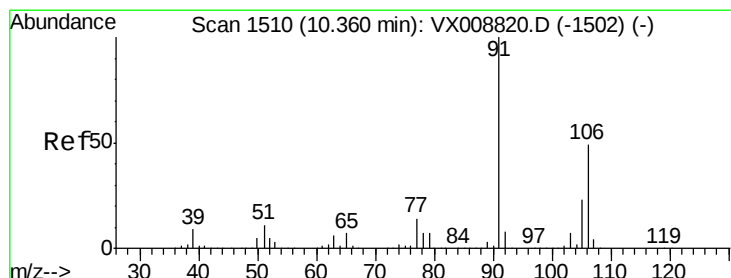
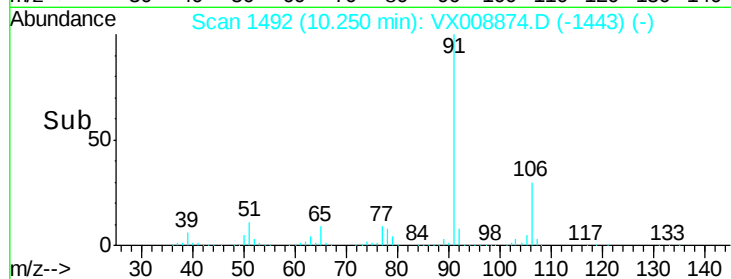
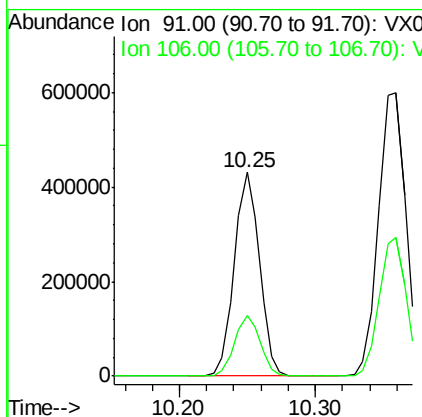
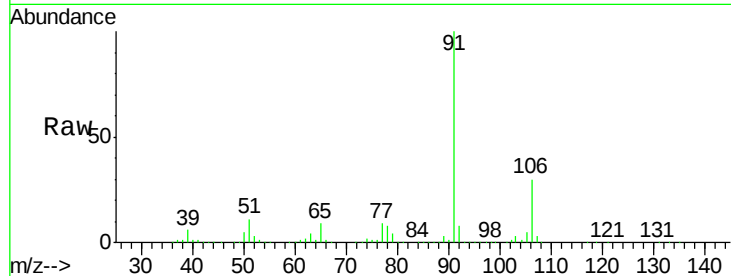
#67
Ethyl Benzene
Concen: 55.890 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 555838
Ion Ratio Lower Upper
91 100
106 30.1 23.7 35.5

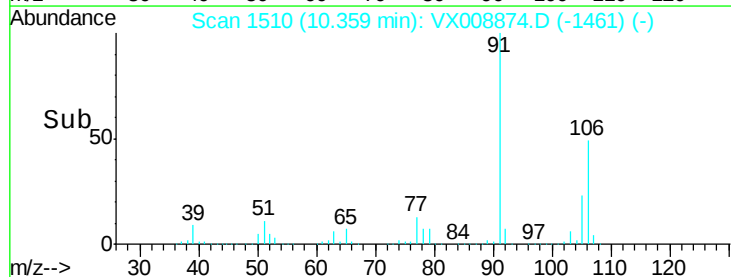
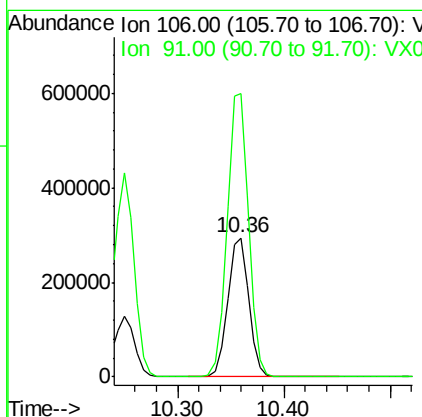
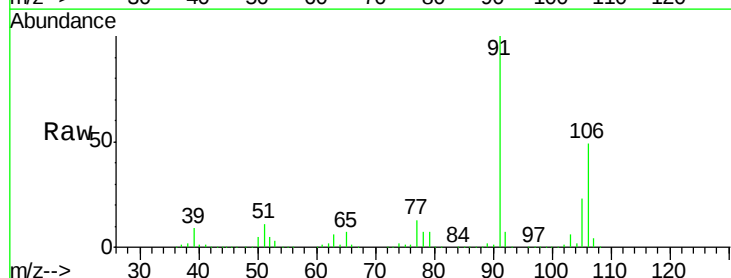
Manual Integrations
APPROVED

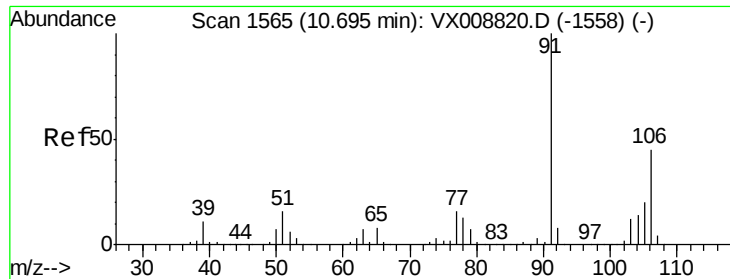
MMDadoda
4/13/2019 2:10:15 PM



#68
m/p-Xylenes
Concen: 113.603 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion: 106 Resp: 406222
Ion Ratio Lower Upper
106 100
91 207.5 168.5 252.7





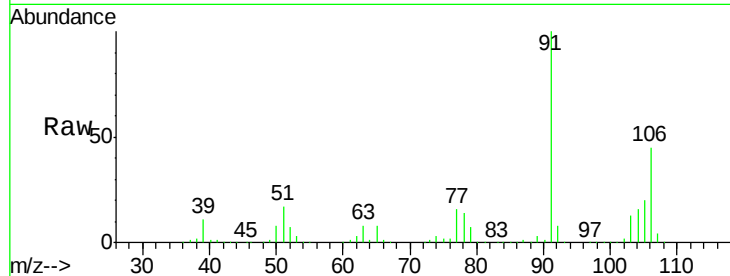
#69
o-Xylene
Concen: 55.831 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

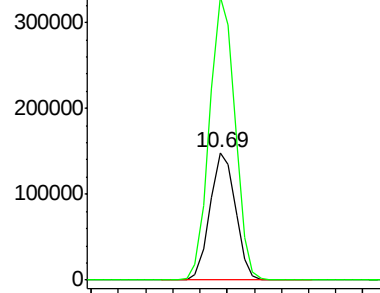
Tgt Ion:106 Resp: 193475
Ion Ratio Lower Upper
106 100
91 223.0 111.5 334.4

Manual Integrations
APPROVED

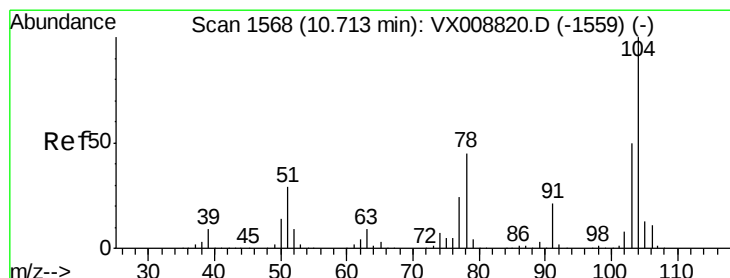
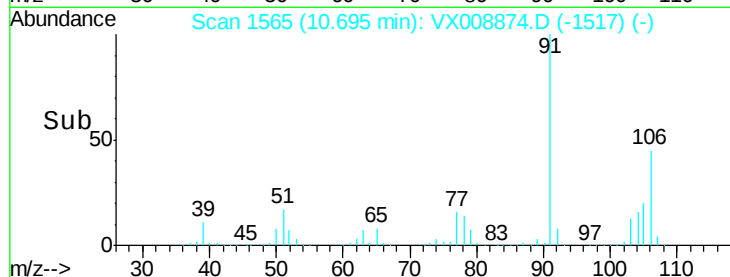
MMDadoda
4/13/2019 2:10:15 PM



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

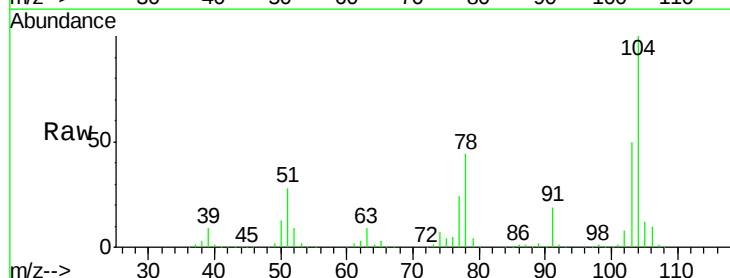


Time--> 10.60 10.70

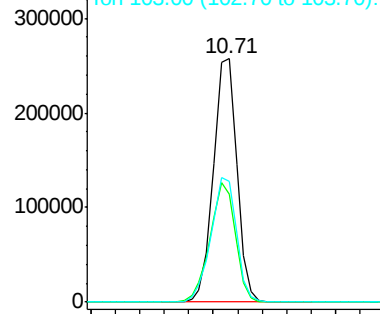


#70
Styrene
Concen: 57.359 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

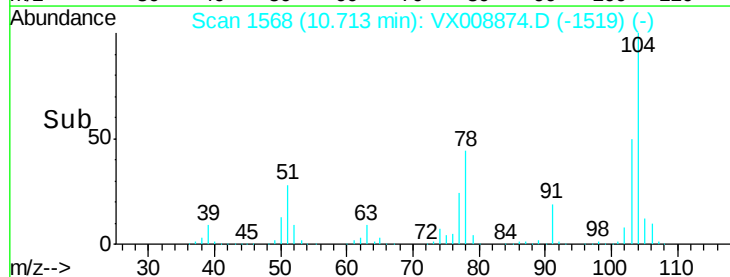
Tgt Ion:104 Resp: 342627
Ion Ratio Lower Upper
104 100
78 52.8 42.3 63.5
103 55.4 44.4 66.6

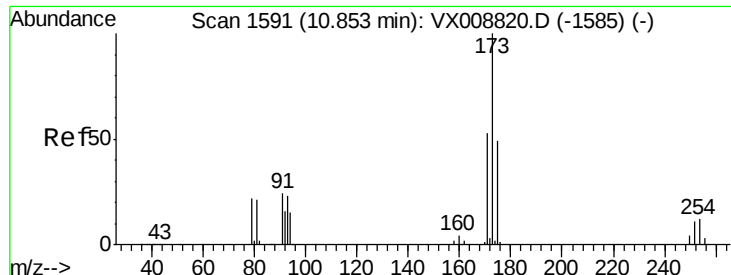


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



Time--> 10.60 10.70 10.80





#71

Bromoform

Concen: 59.365 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 84834

Ion Ratio Lower Upper

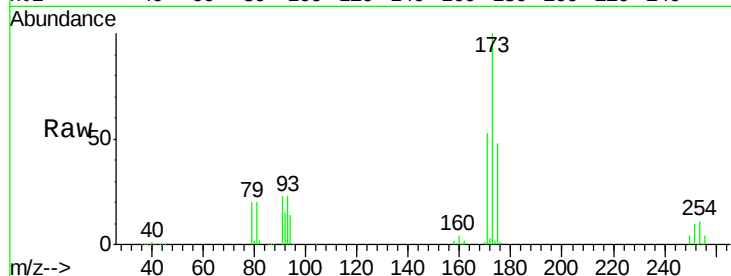
173 100

175 48.4 24.9 74.6

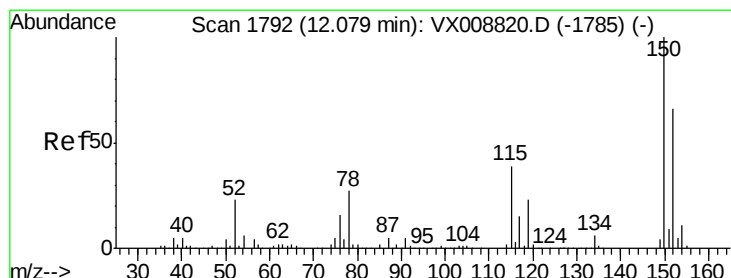
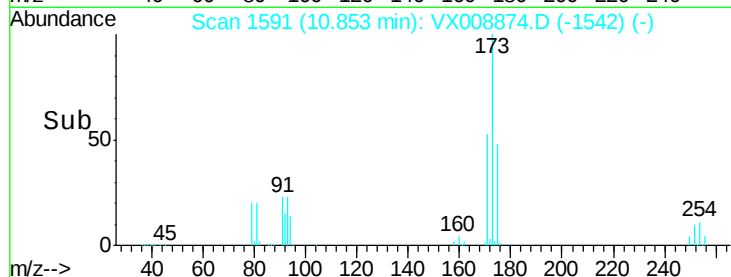
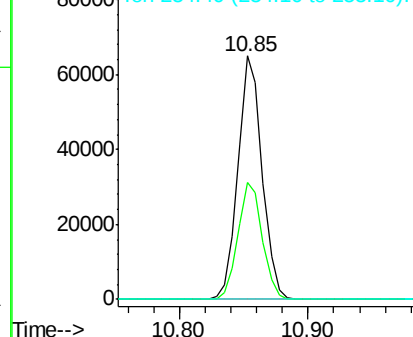
254 0.2 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda
4/13/2019 2:10:15 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

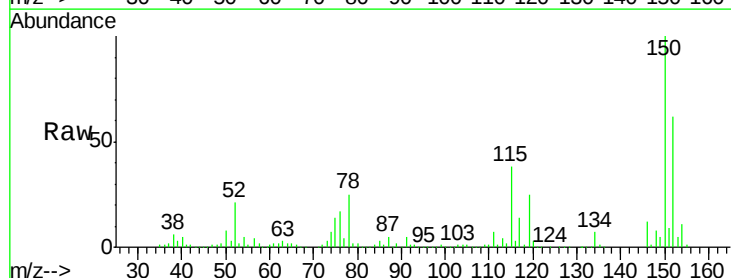
Tgt Ion:152 Resp: 116117

Ion Ratio Lower Upper

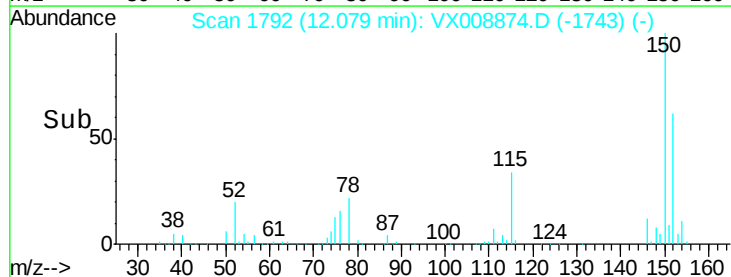
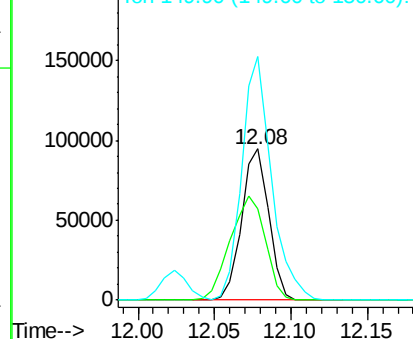
152 100

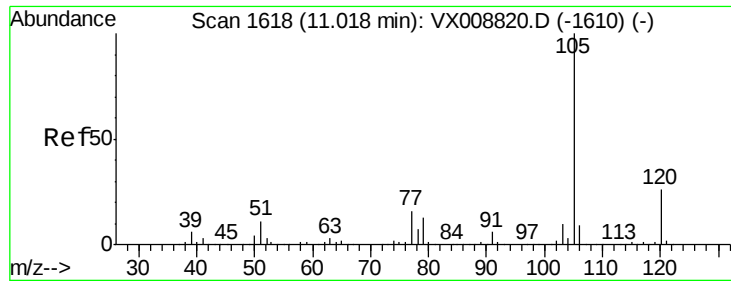
115 89.2 43.5 130.5

150 176.5 0.0 348.8



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: 54.512 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 524570

Ion Ratio Lower Upper

105 100

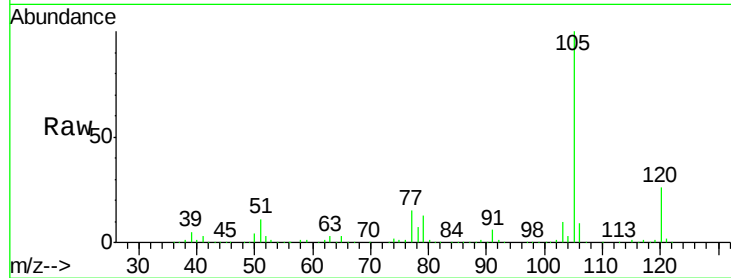
120 25.8 12.9 38.6

Manual Integrations

APPROVED

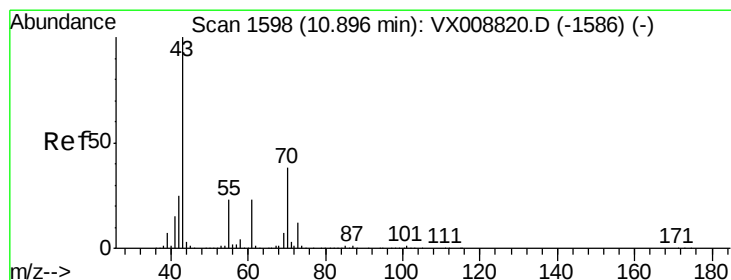
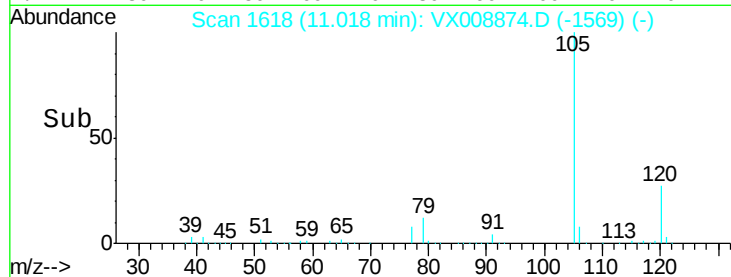
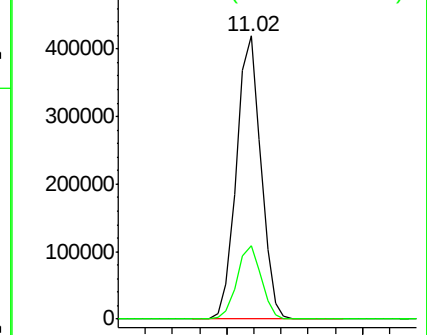
MMDadoda

4/13/2019 2:10:15 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.369 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Tgt Ion: 43 Resp: 296490

Ion Ratio Lower Upper

43 100

70 36.8 30.2 45.4

55 22.4 18.2 27.4

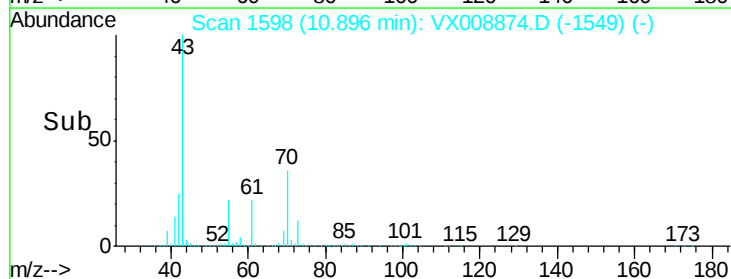
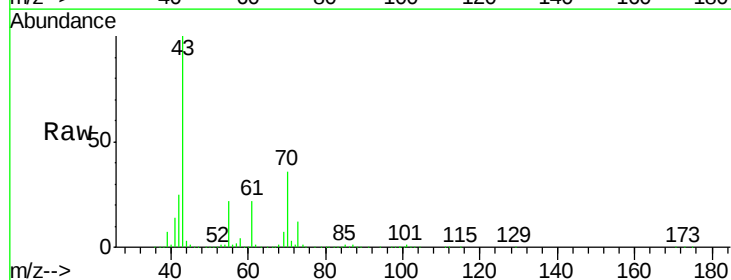
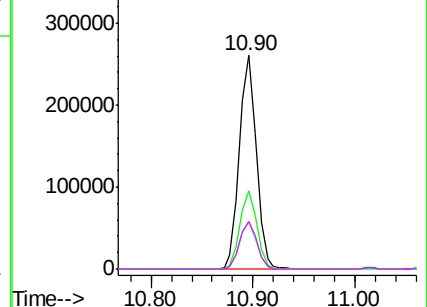
61 22.6 18.6 28.0

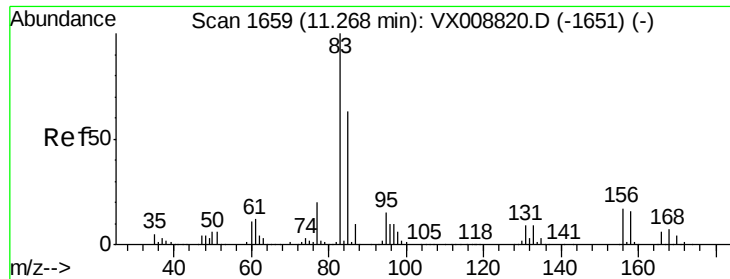
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.465 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 177370

Ion Ratio Lower Upper

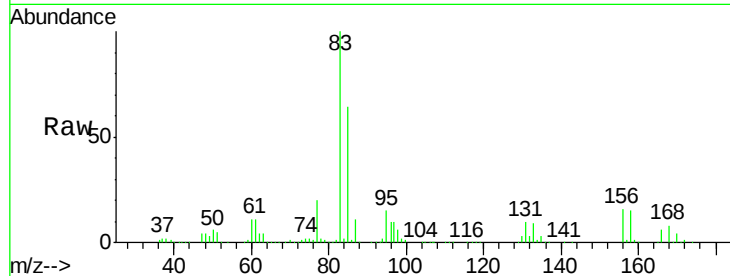
83 100

131 9.2 4.5 13.7

85 63.6 32.0 96.2

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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

150000

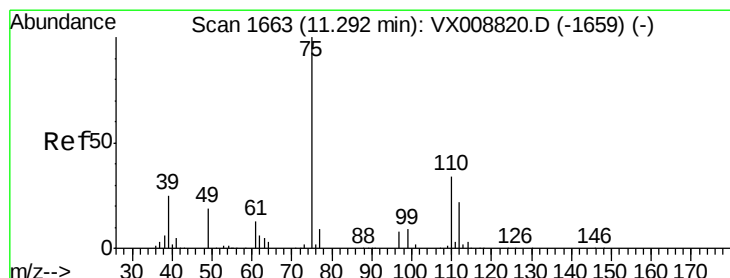
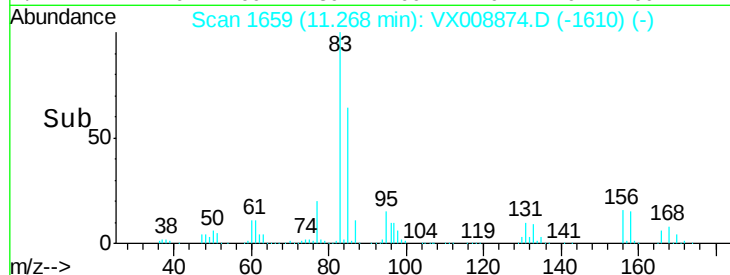
100000

50000

0

11.20 11.30

Time-->



#76

1,2,3-Trichloropropane

Concen: 49.406 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX008874.D

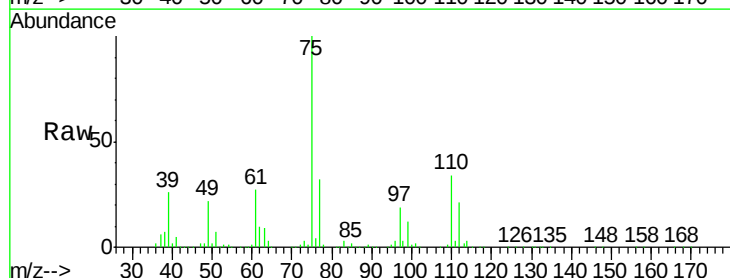
Acq: 12 Apr 2019 10:10

Tgt Ion: 75 Resp: 157597

Ion Ratio Lower Upper

75 100

77 44.0 22.3 66.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

200000

150000

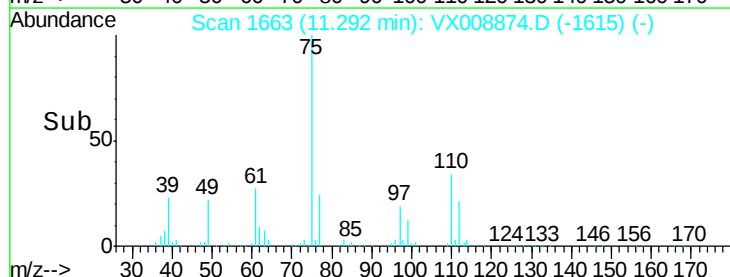
100000

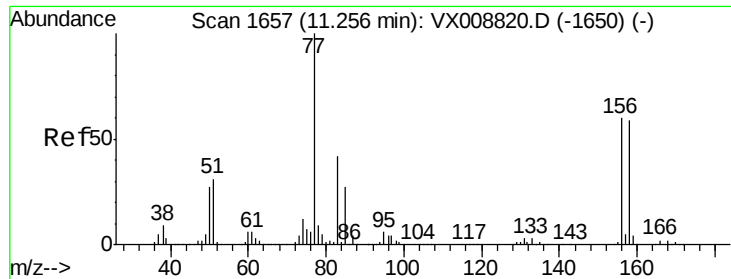
50000

0

11.26 11.28 11.30

Time-->





#77

Bromobenzene

Concen: 54.489 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

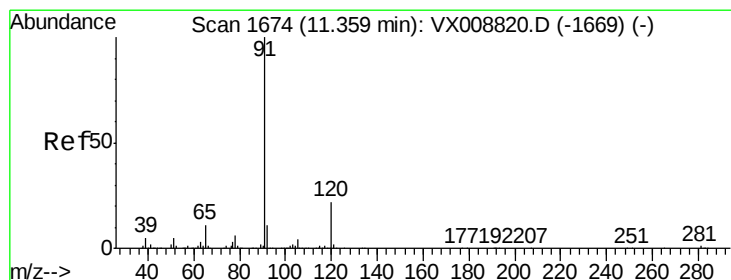
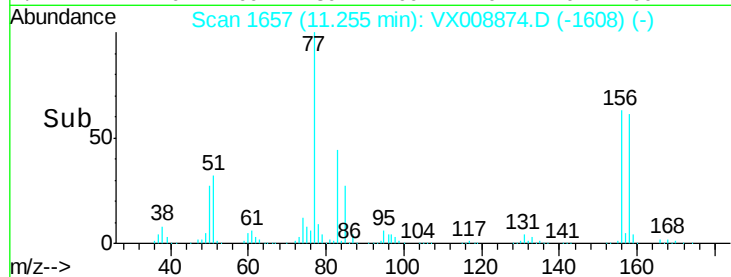
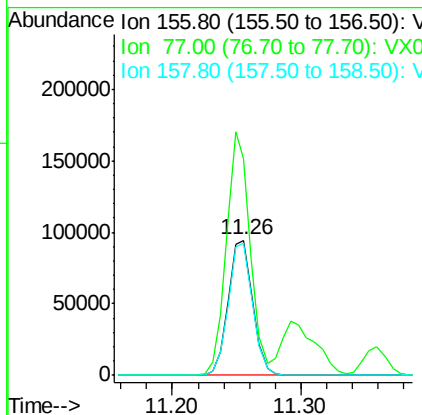
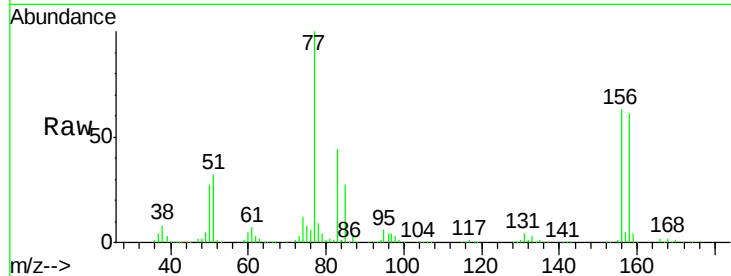
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	174.4	89.8	269.6
158	97.2	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 55.623 ug/l

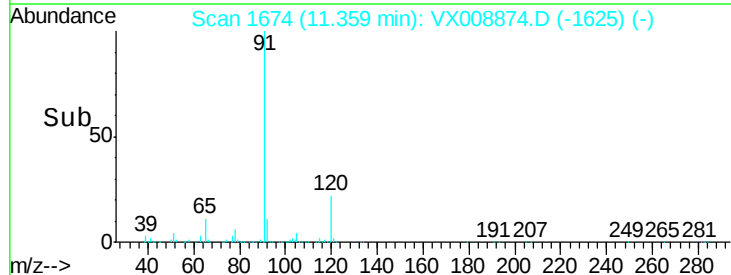
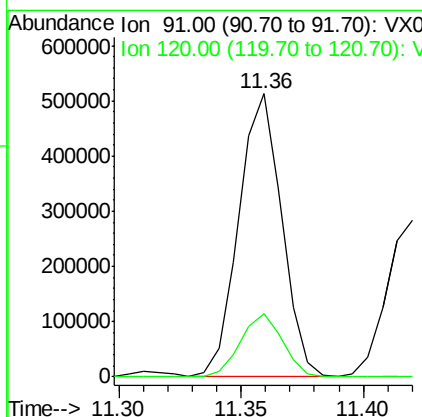
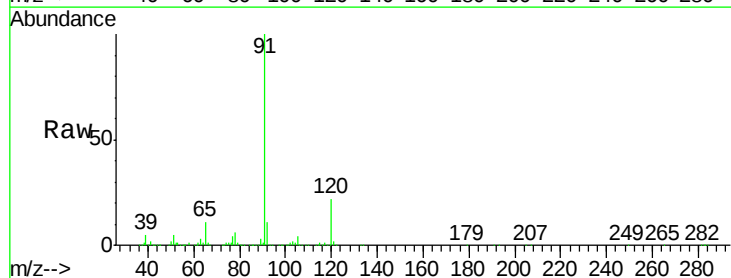
RT: 11.36 min Scan# 1674

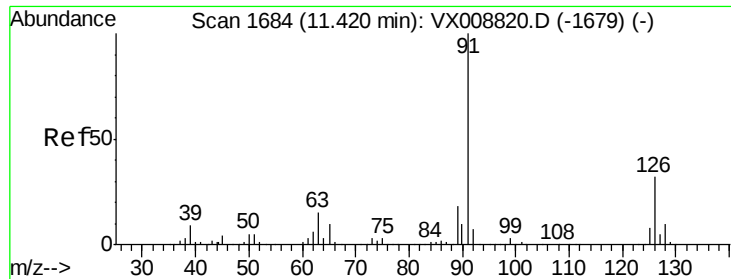
Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.9	32.7





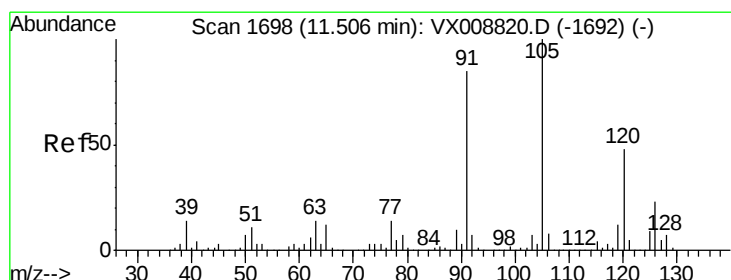
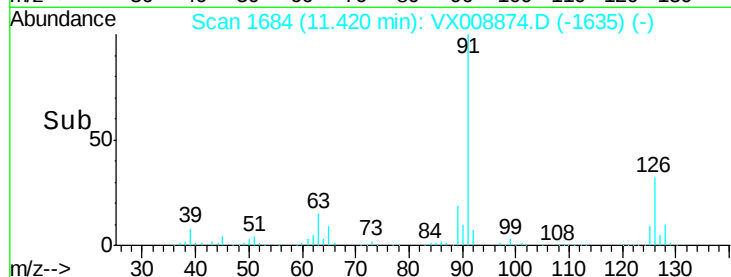
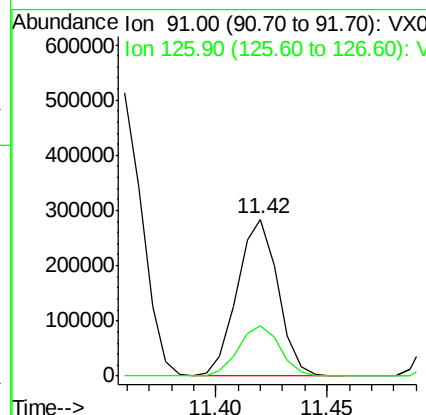
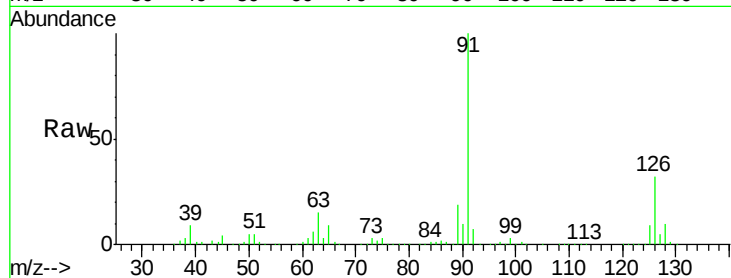
#79
 2-Chlorotoluene
 Concen: 53.237 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 91 Resp: 360980
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.1 48.3

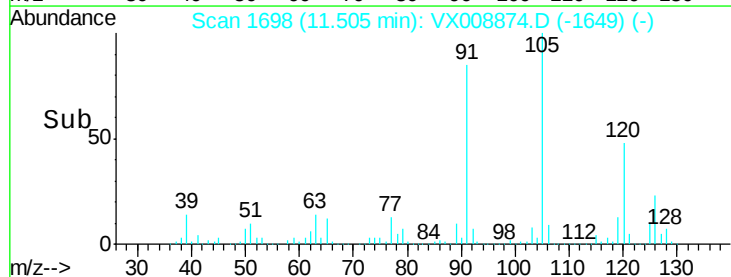
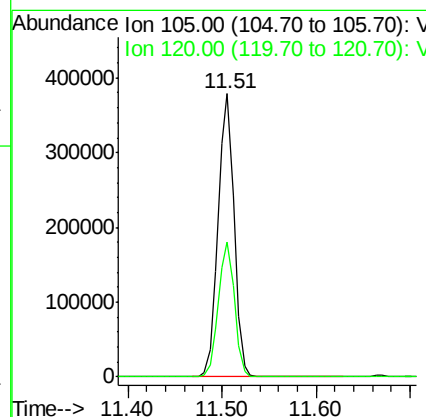
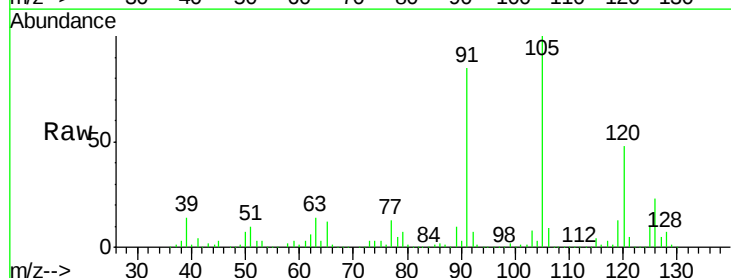
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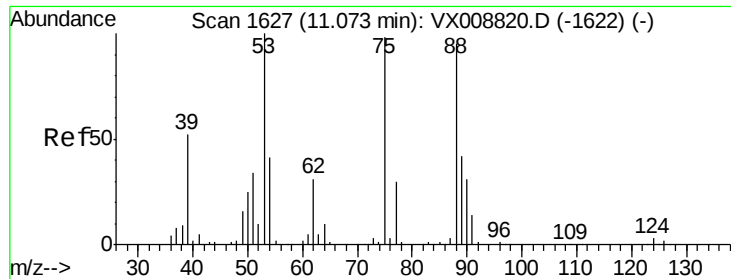
MMDadoda
 4/13/2019 2:10:15 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 55.135 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Tgt Ion: 105 Resp: 445366
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.5 70.6





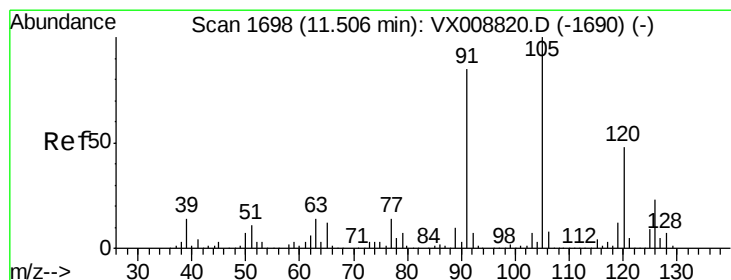
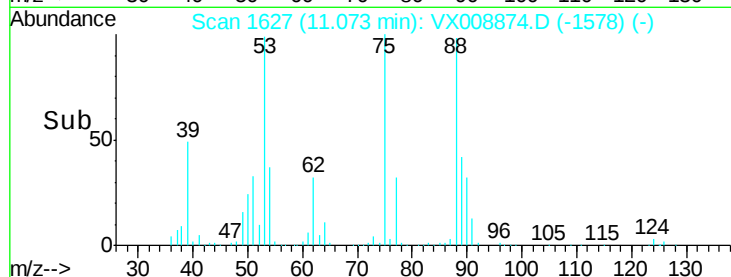
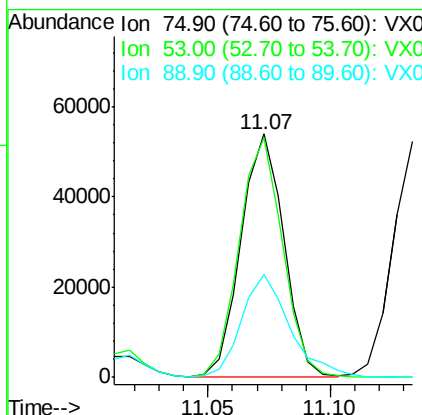
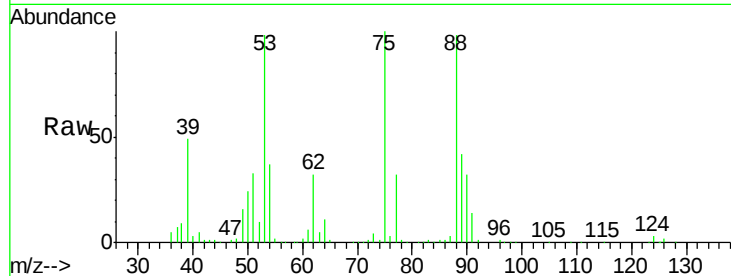
#81
trans-1,4-Dichloro-2-butene
Concen: 57.185 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 66174
Ion Ratio Lower Upper
75 100
53 100.2 81.3 121.9
89 47.8 35.6 53.4

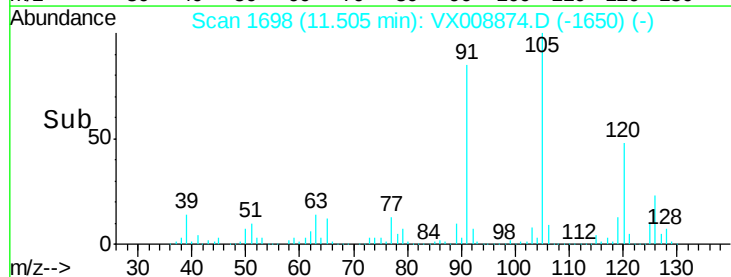
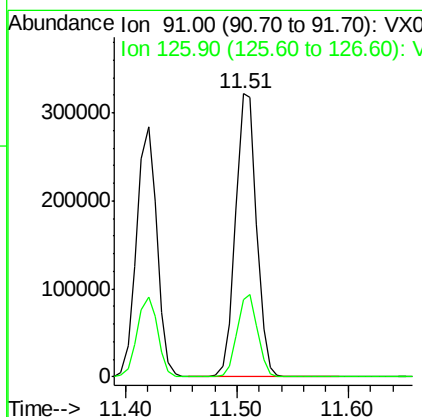
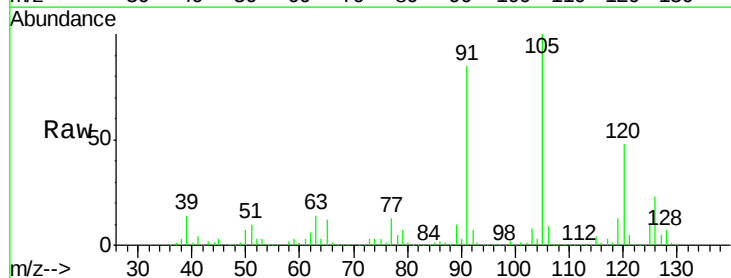
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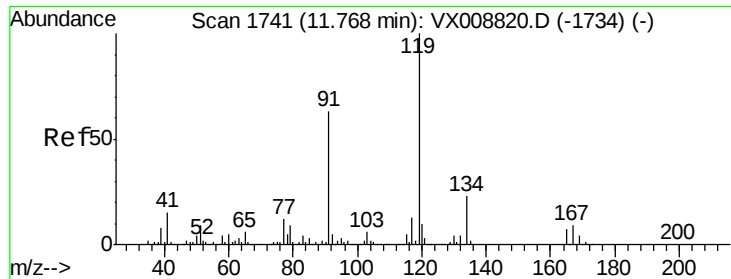
MMDadoda
4/13/2019 2:10:15 PM



#82
4-Chlorotoluene
Concen: 53.532 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion: 91 Resp: 420160
Ion Ratio Lower Upper
91 100
126 28.4 13.9 41.6





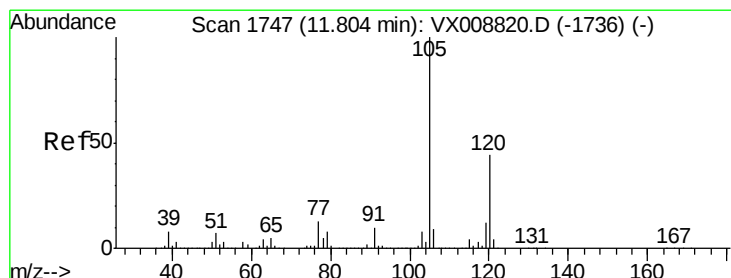
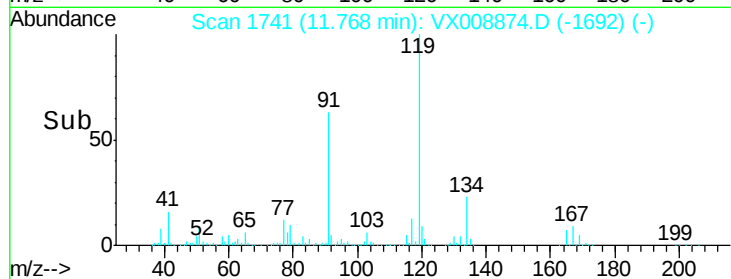
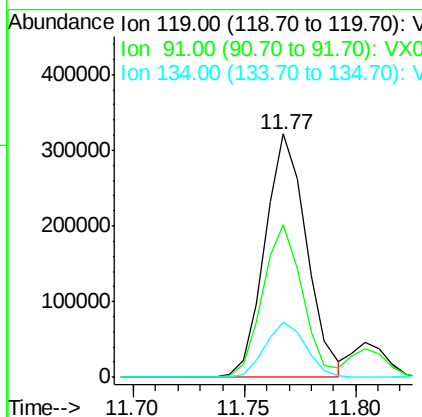
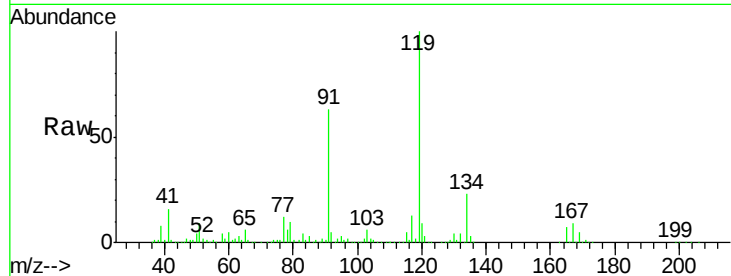
#83
 tert-Butylbenzene
 Concen: 53.799 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	418093		
91	60.3	30.0	90.1	
134	22.3	11.1	33.3	

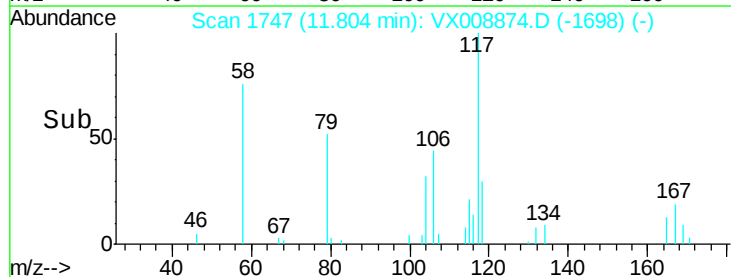
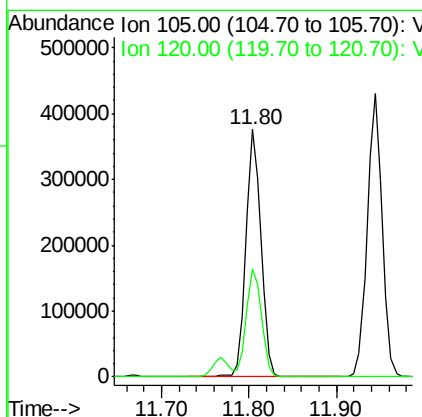
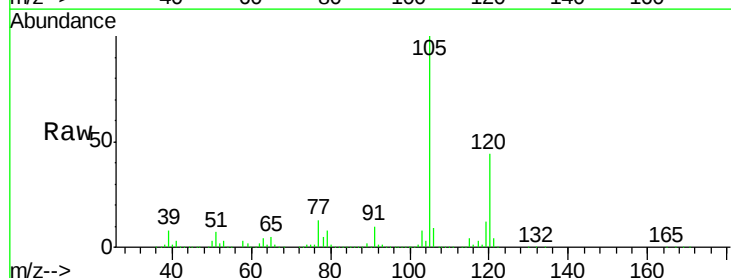
Manual Integrations
 APPROVED

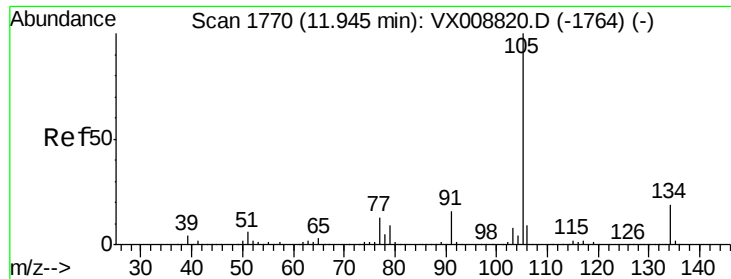
MMDadoda
 4/13/2019 2:10:15 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.692 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	447336		
120	43.9	21.8	65.3	





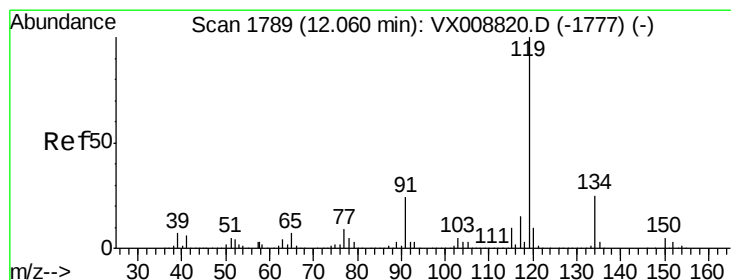
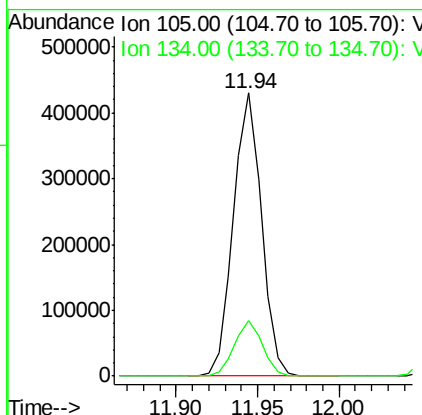
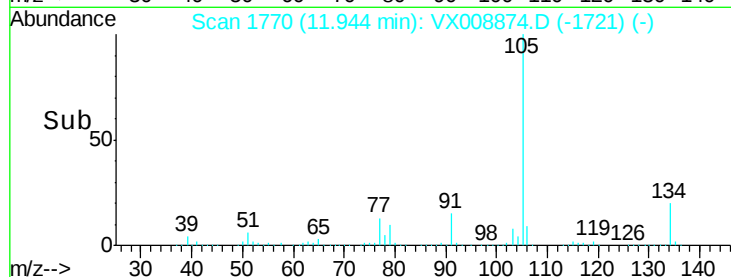
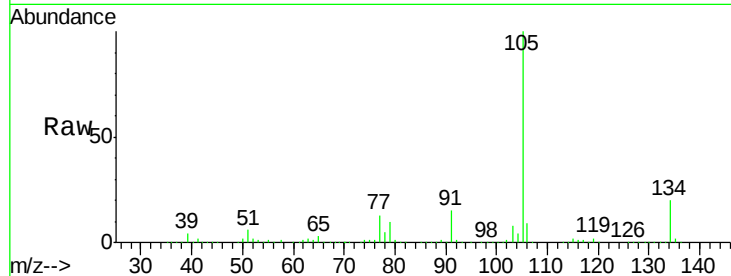
#85
 sec-Butylbenzene
 Concen: 55.757 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.4	28.2

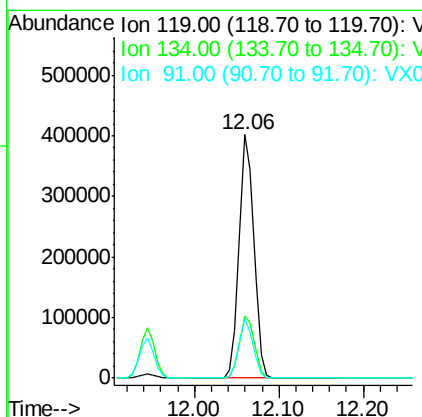
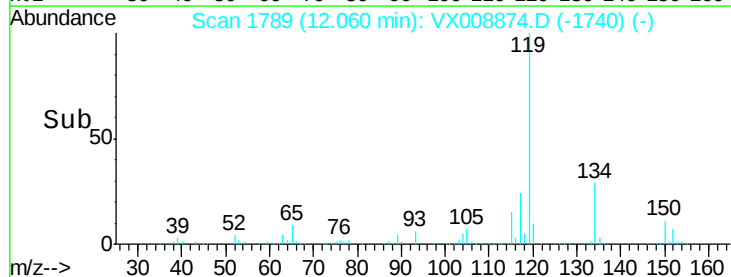
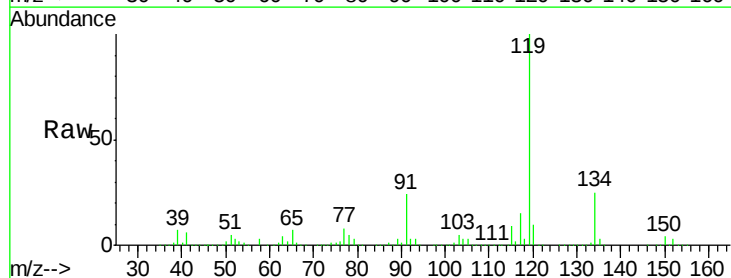
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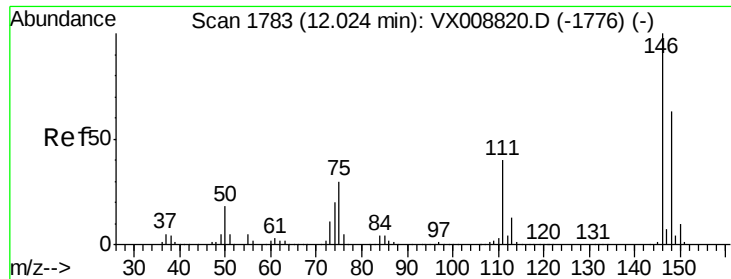
MMDadoda
 4/13/2019 2:10:15 PM



#86
 p-Isopropyltoluene
 Concen: 56.968 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.8	38.4
91	23.7	12.2	36.6





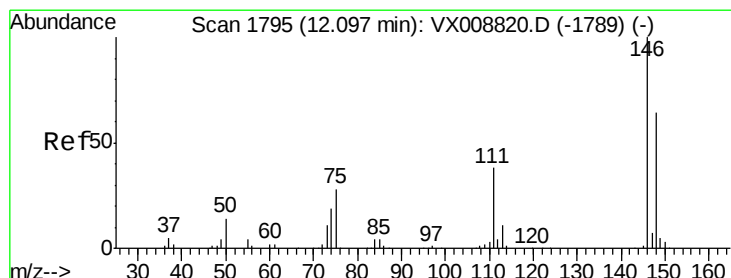
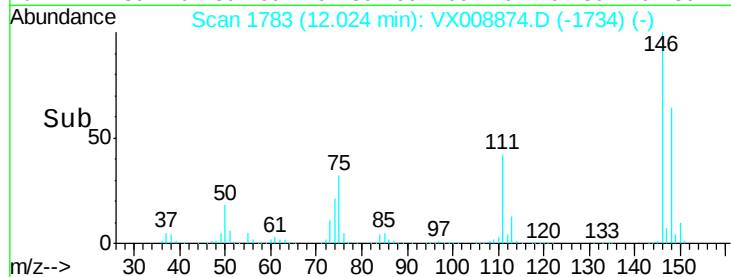
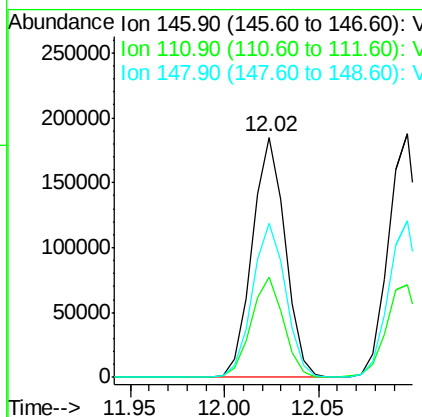
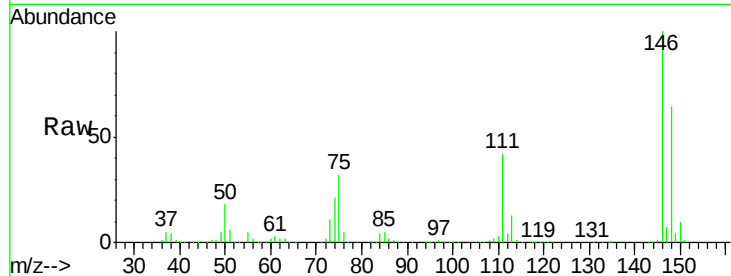
#87
 1,3-Dichlorobenzene
 Concen: 54.143 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.5	61.5
148	64.5	31.6	94.7

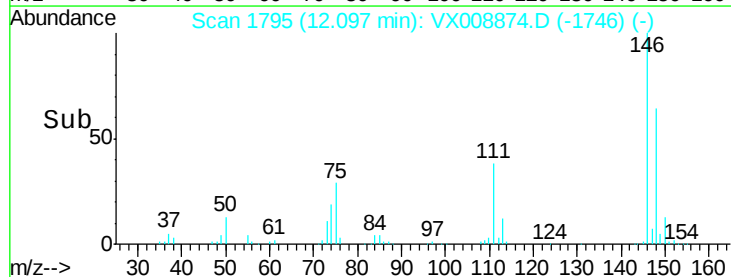
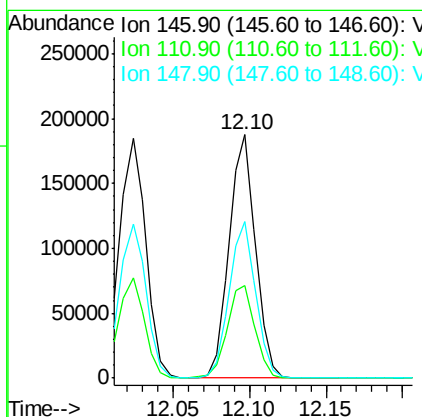
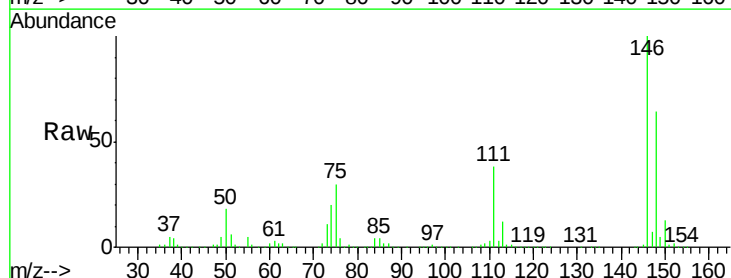
Manual Integrations
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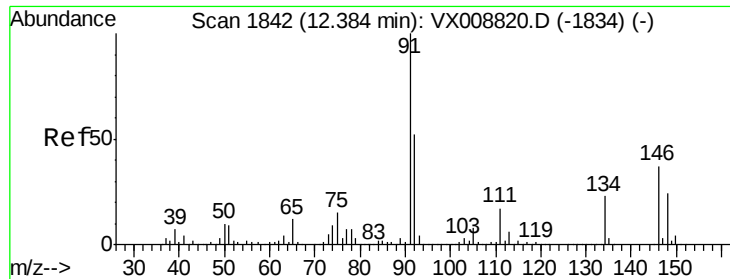
MMDadoda
 4/13/2019 2:10:15 PM



#88
 1,4-Dichlorobenzene
 Concen: 53.289 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.2	60.6
148	64.4	32.0	96.0





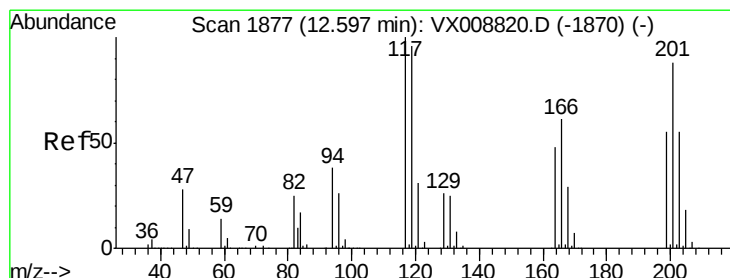
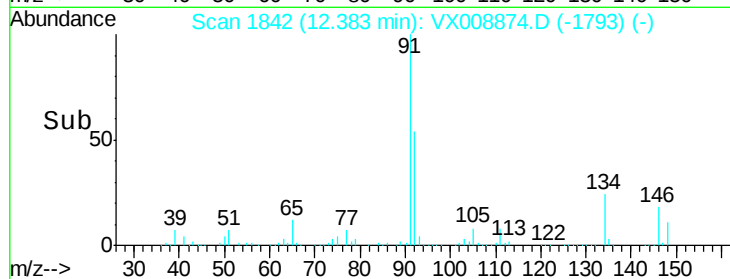
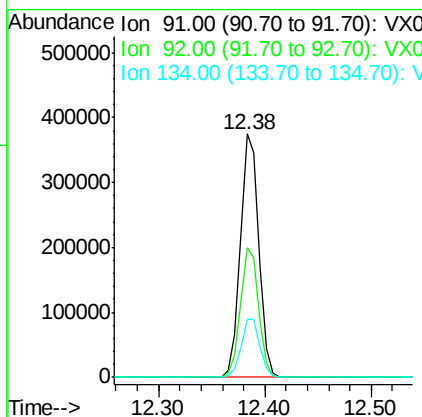
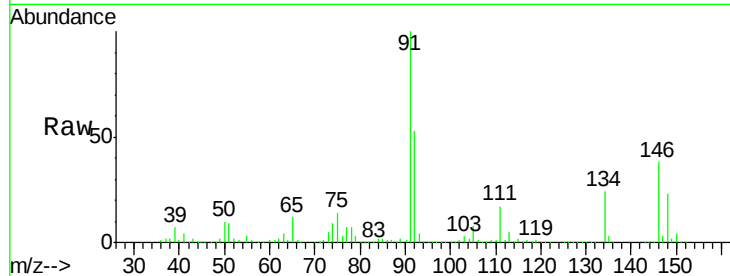
#89
n-Butylbenzene
Concen: 58.362 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 453474
Ion Ratio Lower Upper
91 100
92 52.9 26.4 79.2
134 24.5 12.0 36.0

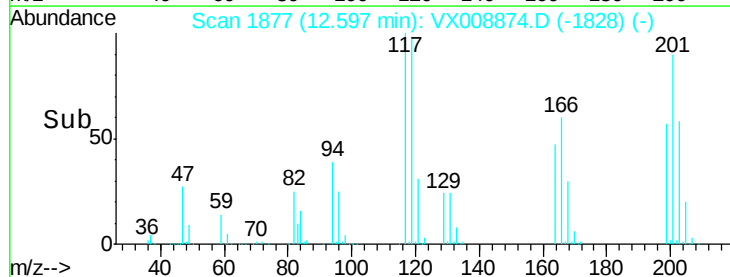
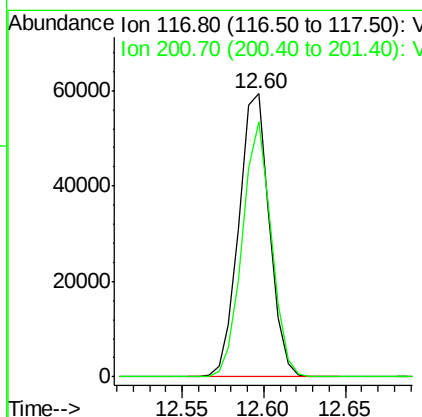
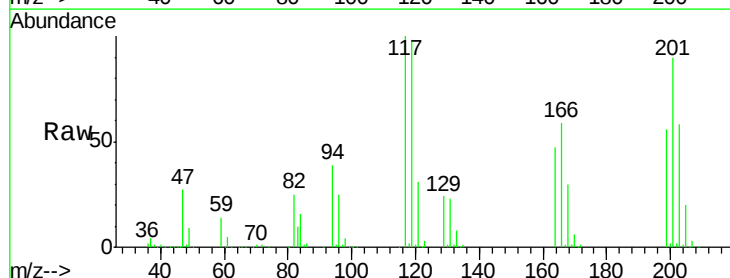
Manual Integrations
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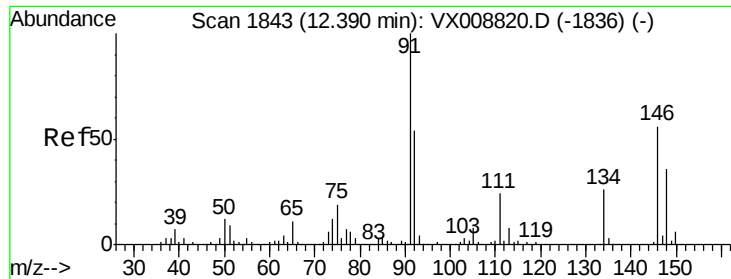
MMDadoda
4/13/2019 2:10:15 PM



#90
Hexachloroethane
Concen: 56.440 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion: 117 Resp: 77558
Ion Ratio Lower Upper
117 100
201 85.6 40.6 122.0





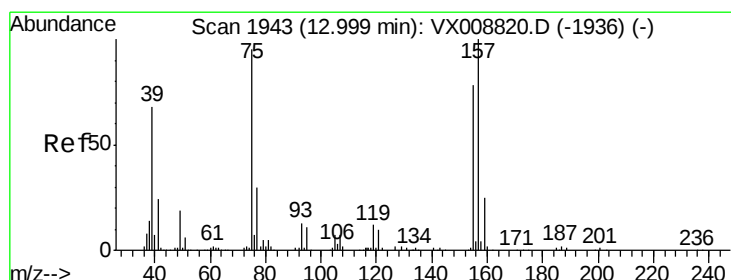
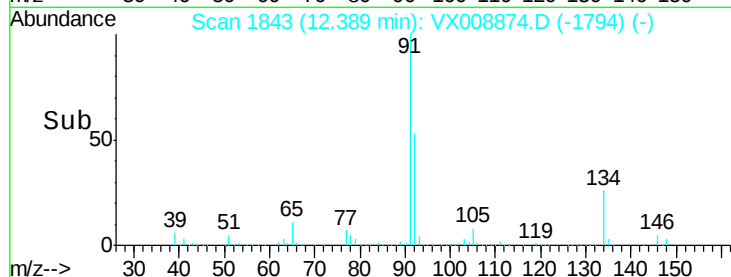
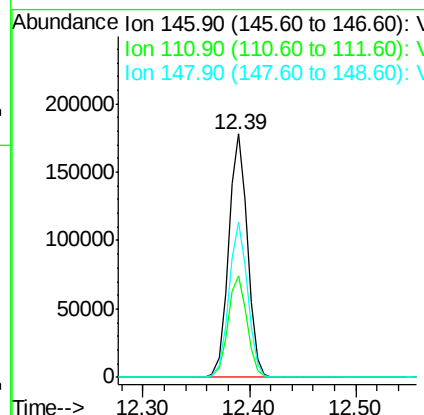
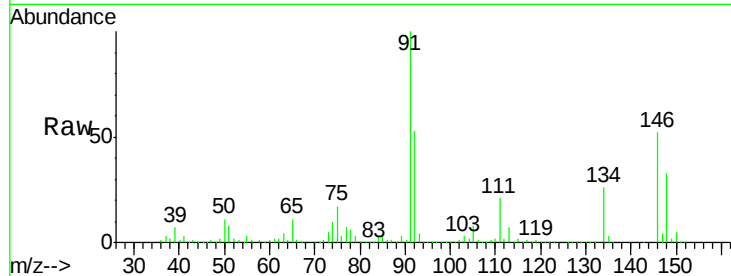
#91
 1,2-Dichlorobenzene
 Concen: 53.320 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.3	63.9
148	63.5	31.7	95.1

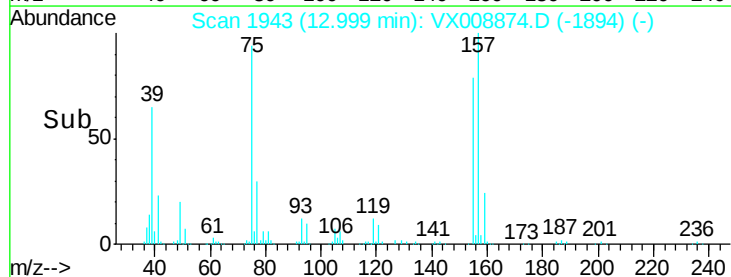
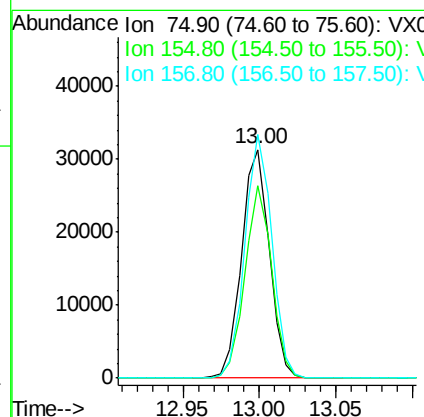
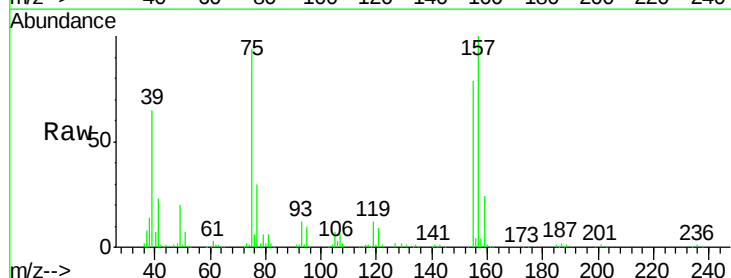
Manual Integrations
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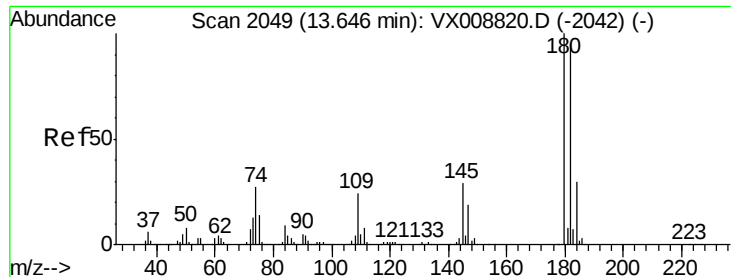
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.934 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.9	39.9	119.6
157	104.1	51.5	154.7





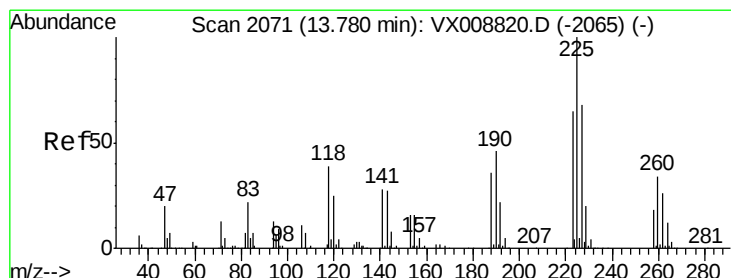
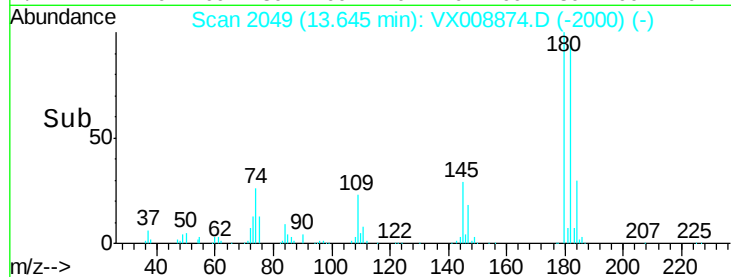
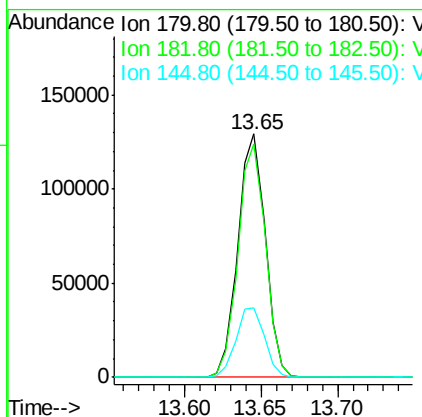
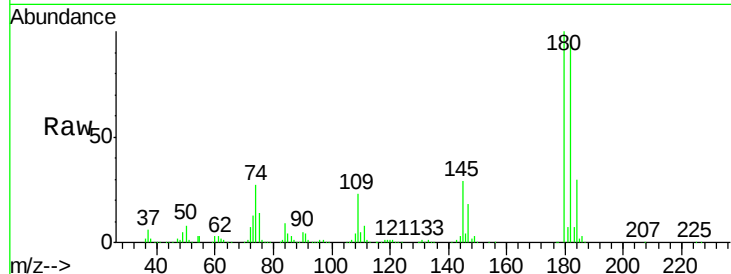
#93
 1,2,4-Trichlorobenzene
 Concen: 56.218 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	160727		
182	95.5	47.2	141.6	
145	29.7	15.3	45.9	

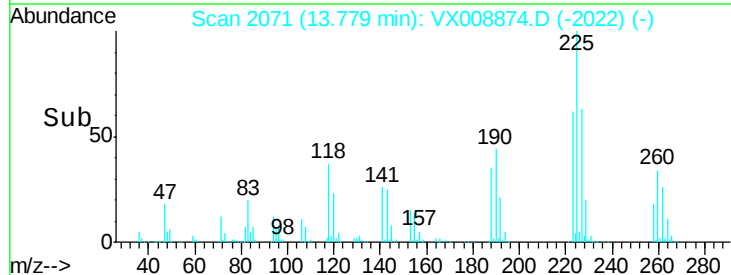
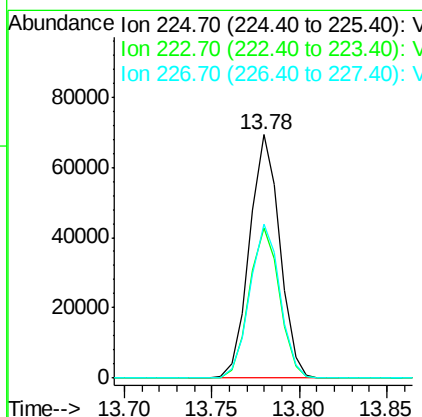
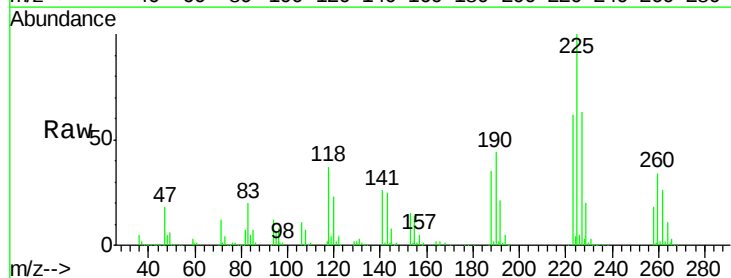
Manual Integrations
 APPROVED

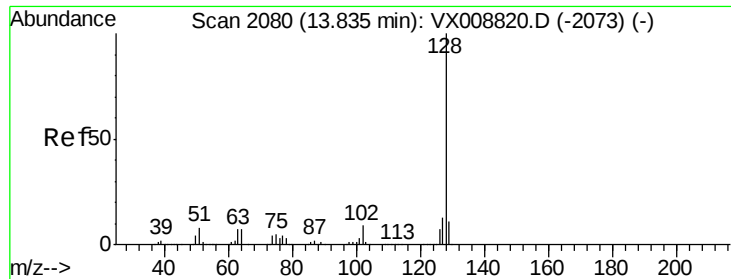
MMDadoda
 4/13/2019 2:10:15 PM



#94
 Hexachlorobutadiene
 Concen: 60.441 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	82872		
223	62.1	31.2	93.6	
227	63.2	31.9	95.5	





#95

Naphthalene

Concen: 52.712 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

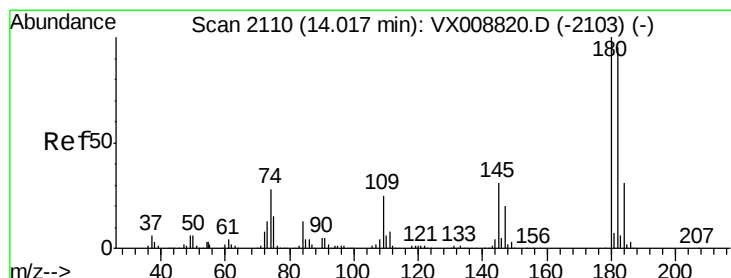
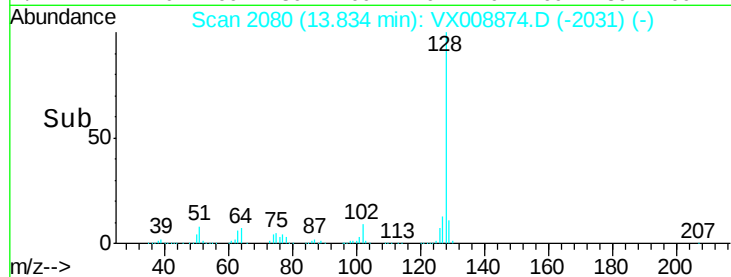
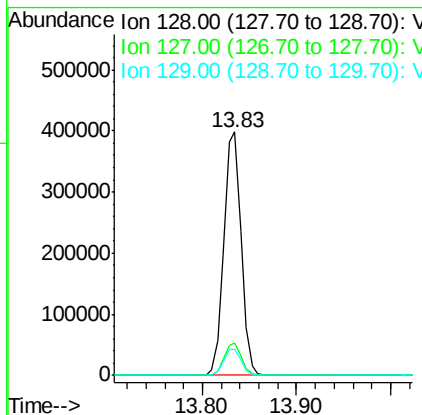
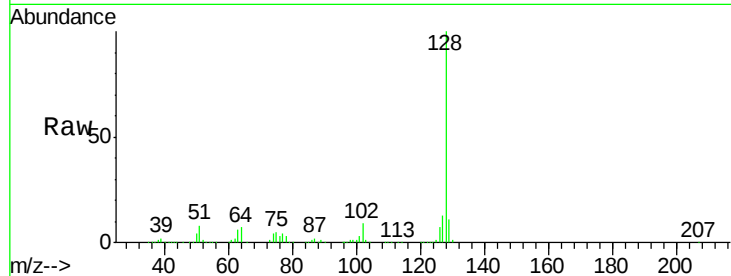
ClientSampleId :

VSTDCCC050

Tgt Ion:	128	Resp:	503686
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

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4/13/2019 2:10:15 PM



#96

1,2,3-Trichlorobenzene

Concen: 55.725 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Tgt Ion:	180	Resp:	159180
Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.1	144.3
145	30.7	16.3	48.8

