

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001638.D
 Acq On : 17 Feb 2020 11:07
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 10:49:59 AM

Quant Time: Feb 17 12:14:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 11:55:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	210468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	373903	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	341946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	162223	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	111591	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
35) Dibromofluoromethane	7.75	113	101846	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
50) Toluene-d8	10.19	98	427582	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
62) 4-Bromofluorobenzene	12.49	95	156827	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	110507	53.287	ug/l	100
3) Chloromethane	2.13	50	139724	61.774	ug/l	100
4) Vinyl Chloride	2.26	62	142556	61.156	ug/l	100
5) Bromomethane	2.66	94	88421	60.546	ug/l	100
6) Chloroethane	2.81	64	86077	61.237	ug/l	100
7) Trichlorofluoromethane	3.15	101	177801	48.390	ug/l	100
8) Diethyl Ether	3.55	74	68699	53.893	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	112498	50.553	ug/l	100
10) Methyl Iodide	4.12	142	147639	52.155	ug/l	100
11) Tert butyl alcohol	4.99	59	63189	190.201	ug/l	100
12) 1,1-Dichloroethene	3.90	96	113126	51.063	ug/l	100
13) Acrolein	3.75	56	53858	262.432	ug/l	100
14) Allyl chloride	4.51	41	203663	58.183	ug/l	100
15) Acrylonitrile	5.21	53	182012	302.009	ug/l	100
16) Acetone	3.97	43	225824	340.402	ug/l	100
17) Carbon Disulfide	4.22	76	383685	53.850	ug/l	100
18) Methyl Acetate	4.51	43	83741	60.390	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	316081	52.852	ug/l	100
20) Methylene Chloride	4.75	84	126444	45.774	ug/l	100
21) trans-1,2-Dichloroethene	5.25	96	128516	51.869	ug/l	100
22) Diisopropyl ether	6.15	45	416886	59.750	ug/l	100
23) Vinyl Acetate	6.10	43	1392590	309.965	ug/l	100
24) 1,1-Dichloroethane	6.05	63	222728	54.290	ug/l	100
25) 2-Butanone	7.02	43	290168	336.855	ug/l	100
26) 2,2-Dichloropropane	7.02	77	188036	48.660	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	140664	51.867	ug/l	100
28) Bromochloromethane	7.36	49	97650	67.443	ug/l	100
29) Tetrahydrofuran	7.38	42	165160	323.014	ug/l	100
30) Chloroform	7.53	83	213488	51.894	ug/l	100
31) Cyclohexane	7.81	56	226334	53.712	ug/l	100
32) 1,1,1-Trichloroethane	7.73	97	182593	49.522	ug/l	100
36) 1,1-Dichloropropene	7.94	75	179316	52.154	ug/l	100
37) Ethyl Acetate	7.11	43	106620	60.980	ug/l	100
38) Carbon Tetrachloride	7.92	117	159759	48.785	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	237149	52.450	ug/l	100
40) Benzene	8.19	78	525510	53.291	ug/l	100
41) Methacrylonitrile	7.35	41	58062m	74.168	ug/l	
42) 1,2-Dichloroethane	8.26	62	143280	52.076	ug/l	100
43) Isopropyl Acetate	8.30	43	209231	60.657	ug/l	100
44) Trichloroethene	8.96	130	130984	49.909	ug/l	100
45) 1,2-Dichloropropane	9.24	63	130983	54.601	ug/l	100
46) Dibromomethane	9.32	93	69224	51.828	ug/l	100
47) Bromodichloromethane	9.52	83	168054	51.881	ug/l	100
48) Methyl methacrylate	9.31	41	94448	60.468	ug/l	100
49) 1,4-Dioxane	9.31	88	19468	1082.180	ug/l	100
51) 4-Methyl-2-Pentanone	10.08	43	540810	314.813	ug/l	100
52) Toluene	10.26	92	332106	53.072	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	191135	53.670	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	214540	52.778	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	103523	53.665	ug/l	100
56) Ethyl methacrylate	10.52	69	159231	57.252	ug/l	100
57) 1,3-Dichloropropane	10.80	76	185134	54.263	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	266383	264.868	ug/l	100
59) 2-Hexanone	10.85	43	428244	337.730	ug/l	100
60) Dibromochloromethane	11.00	129	116312	51.725	ug/l	100
61) 1,2-Dibromoethane	11.10	107	98717	52.254	ug/l	100
64) Tetrachloroethene	10.73	164	105638	47.690	ug/l	100
65) Chlorobenzene	11.53	112	341124	50.892	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	115836	49.560	ug/l	100
67) Ethyl Benzene	11.60	91	636684	51.247	ug/l	100
68) m/p-Xylenes	11.71	106	478079	102.450	ug/l	100
69) o-Xylene	12.04	106	228976	51.997	ug/l	100
70) Styrene	12.05	104	399421	52.319	ug/l	100
71) Bromoform	12.22	173	69578	52.824	ug/l #	100
73) Isopropylbenzene	12.34	105	612356	49.768	ug/l	100
74) N-amyl acetate	12.15	43	202739	60.318	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	135827	56.205	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	84407m	48.541	ug/l	
77) Bromobenzene	12.62	156	132570	49.794	ug/l	100
78) n-propylbenzene	12.68	91	757073	51.085	ug/l	100
79) 2-Chlorotoluene	12.77	91	418820	49.807	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	515971	49.775	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	52746	56.806	ug/l	100
82) 4-Chlorotoluene	12.86	91	452821	51.078	ug/l	100
83) tert-Butylbenzene	13.08	119	432468	49.481	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	512887	49.926	ug/l	100
85) sec-Butylbenzene	13.26	105	633084	51.203	ug/l	100
86) p-Isopropyltoluene	13.38	119	552333	50.727	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	259112	50.446	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	259750	50.504	ug/l	100
89) n-Butylbenzene	13.70	91	563447	52.124	ug/l	100
90) Hexachloroethane	13.97	117	105662	50.647	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	238659	51.194	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	22154	50.464	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	158201	50.345	ug/l	100
94) Hexachlorobutadiene	15.12	225	76266	48.324	ug/l	100
95) Naphthalene	15.24	128	371069	49.776	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	138639	49.842	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001638.D

Acq: 17 Feb 2020 11:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 210468

Ion Ratio Lower Upper

168 100

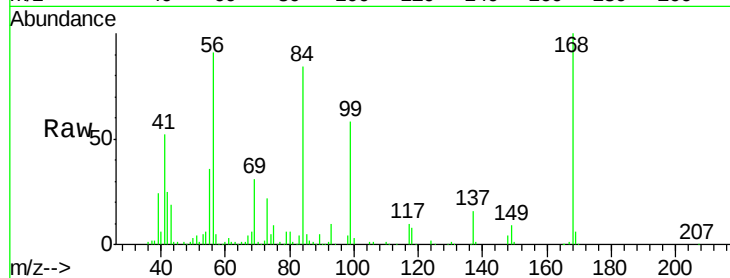
99 58.2 46.6 69.8

Manual Integrations

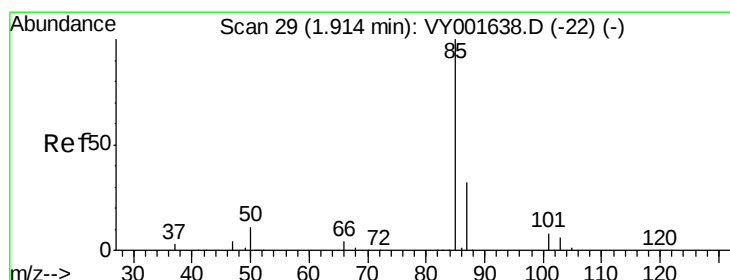
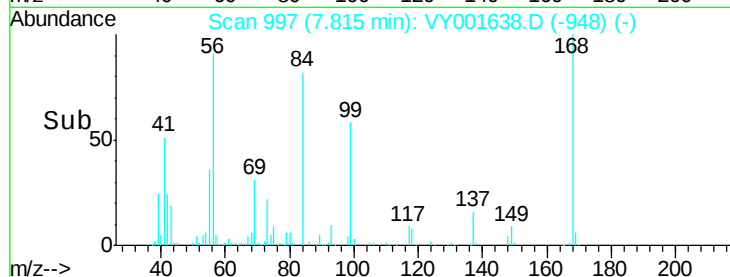
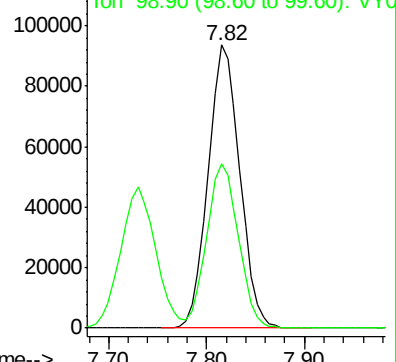
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Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)



#2

Dichlorodifluoromethane

Concen: 53.287 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001638.D

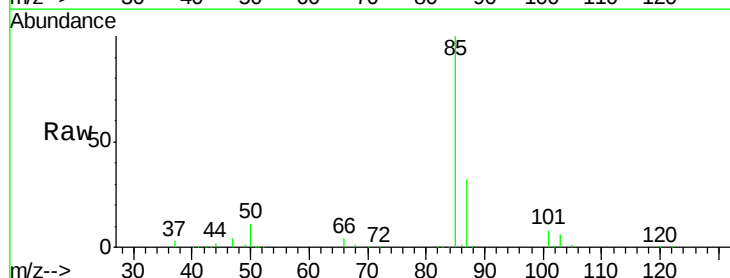
Acq: 17 Feb 2020 11:07

Tgt Ion: 85 Resp: 110507

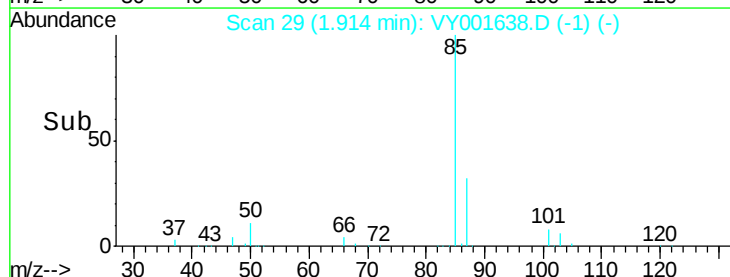
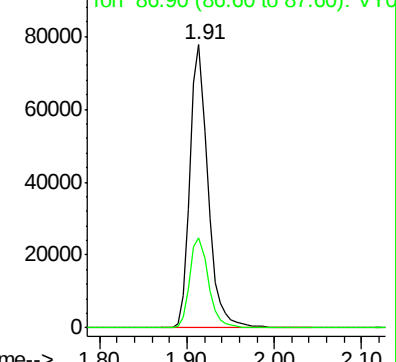
Ion Ratio Lower Upper

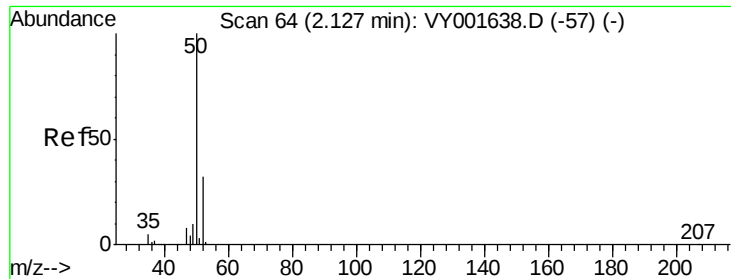
85 100

87 31.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VY001638.D (-22) (-)





#3

Chloromethane

Concen: 61.774 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001638.D

Acq: 17 Feb 2020 11:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 139724

Ion Ratio Lower Upper

50 100

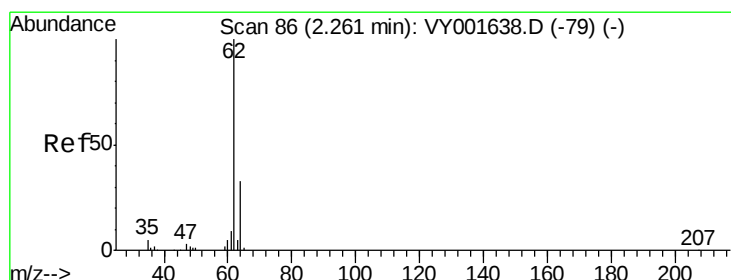
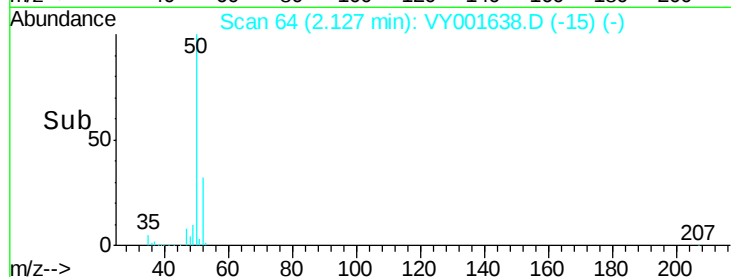
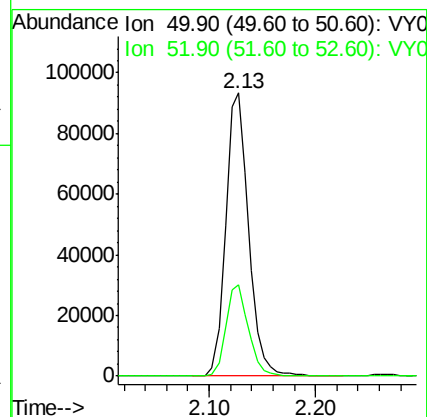
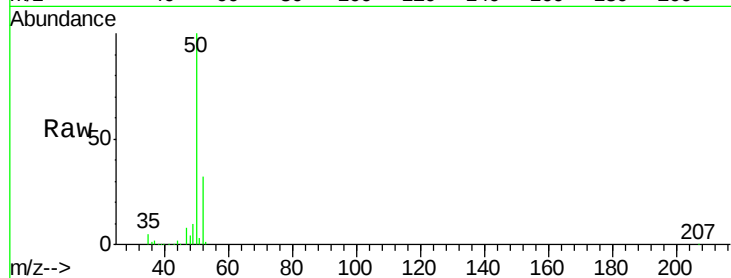
52 32.4 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 61.156 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001638.D

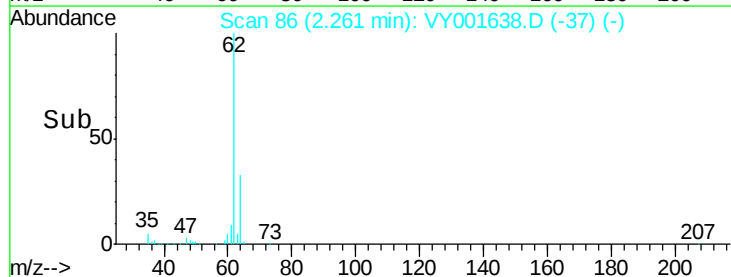
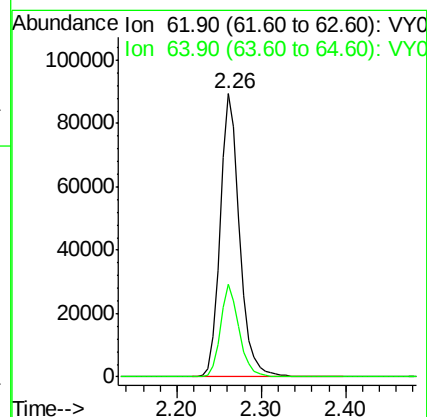
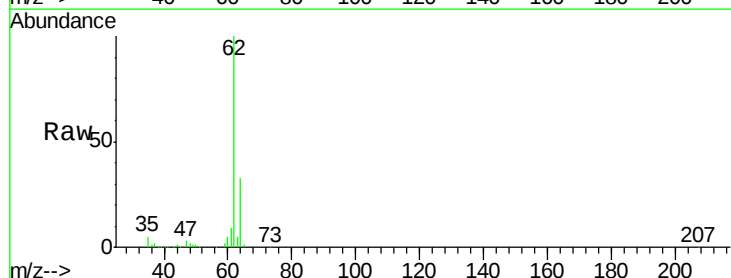
Acq: 17 Feb 2020 11:07

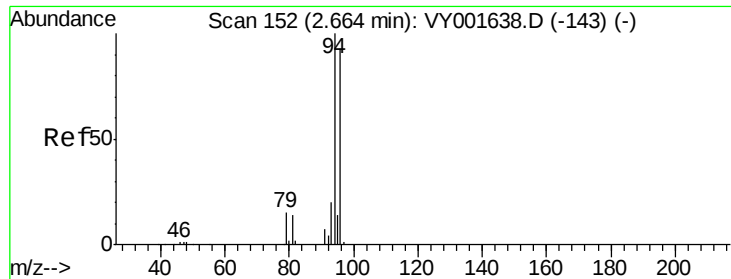
Tgt Ion: 62 Resp: 142556

Ion Ratio Lower Upper

62 100

64 32.9 26.3 39.5





#5

Bromomethane

Concen: 60.546 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001638.D

Acq: 17 Feb 2020 11:07

Instrument :

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ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 88421

Ion Ratio Lower Upper

94 100

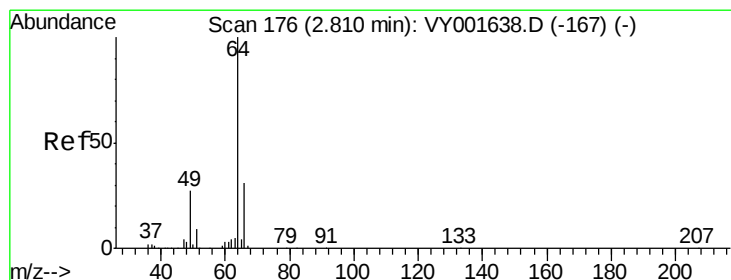
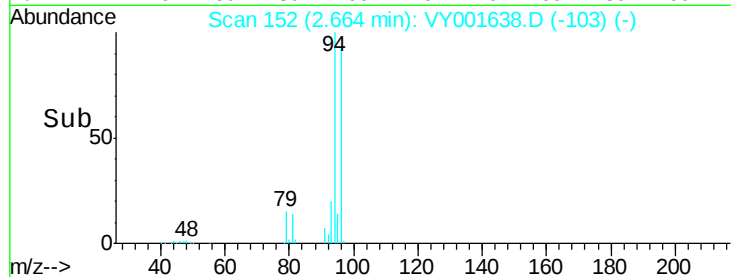
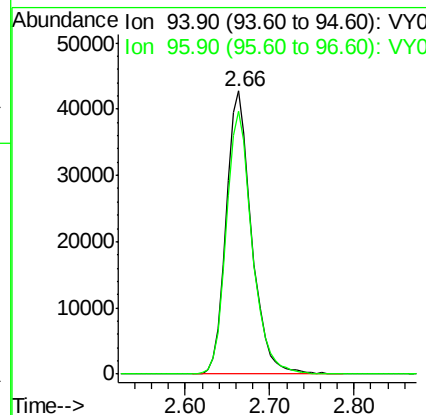
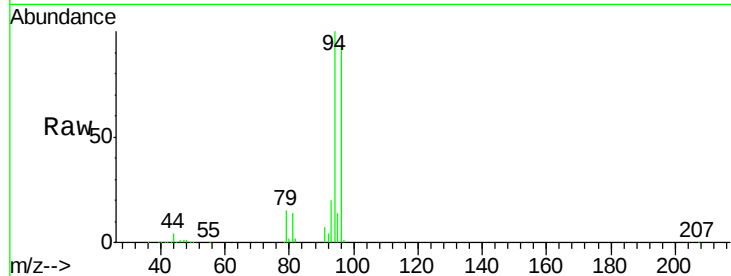
96 92.6 74.1 111.1

Manual Integrations

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#6

Chloroethane

Concen: 61.237 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001638.D

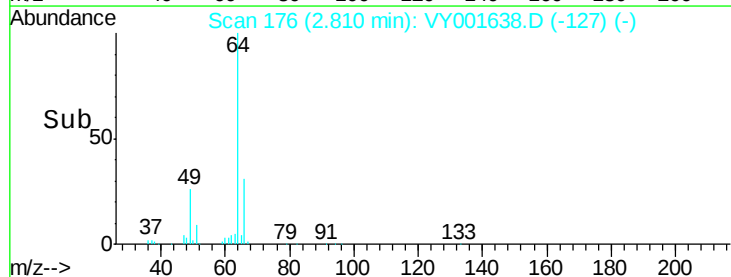
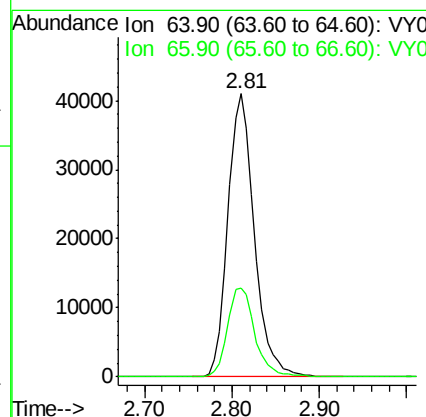
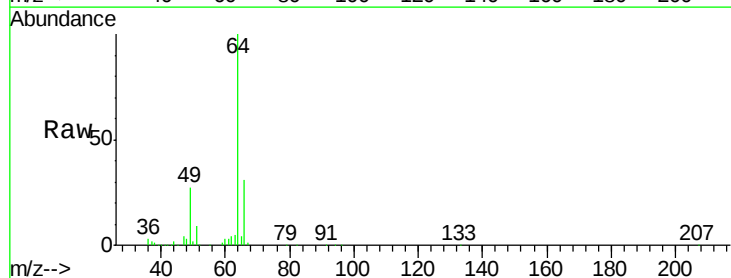
Acq: 17 Feb 2020 11:07

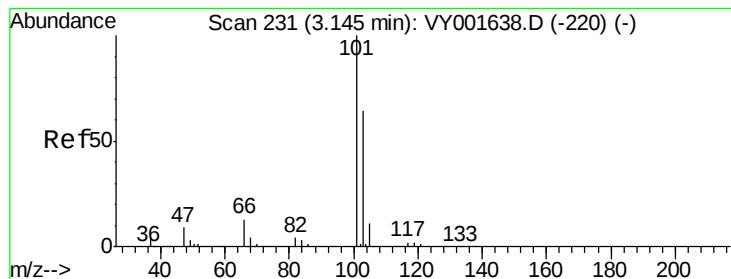
Tgt Ion: 64 Resp: 86077

Ion Ratio Lower Upper

64 100

66 31.2 25.0 37.4





#7

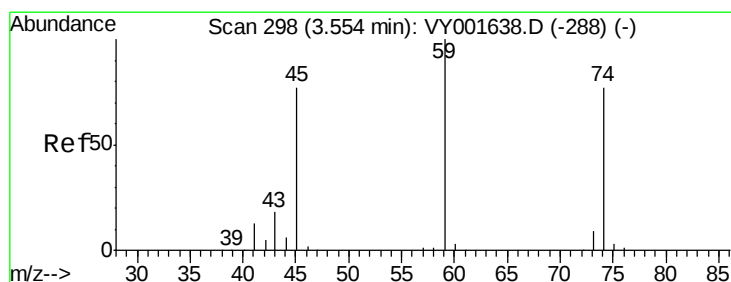
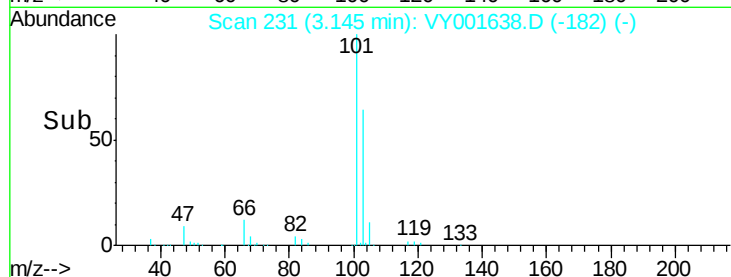
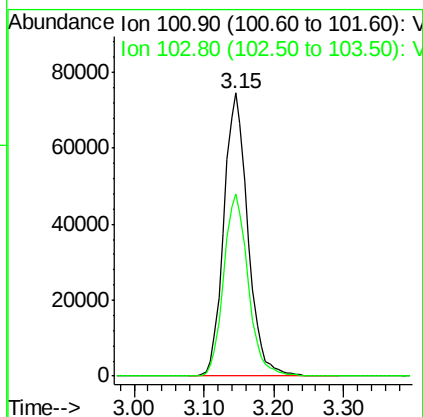
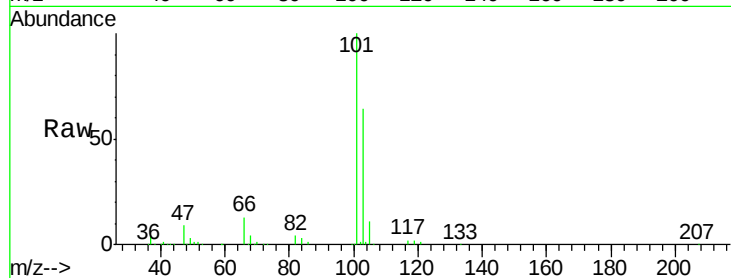
Trichlorofluoromethane
Concen: 48.390 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.00 min
Lab File: VY001638.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.6	77.4

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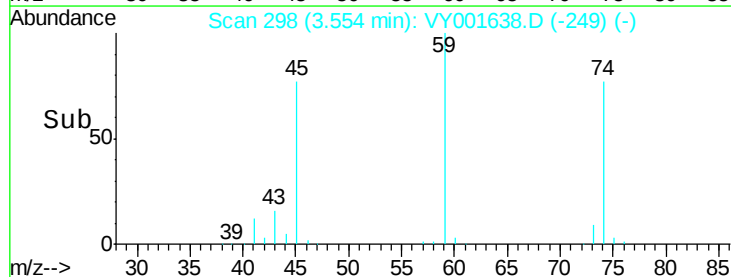
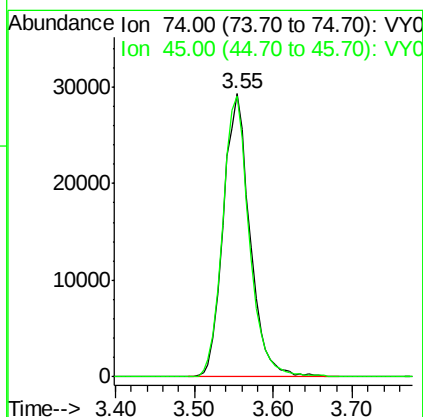
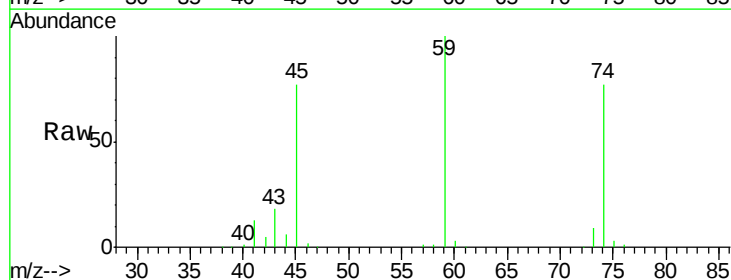
MMDadoda
2/19/2020 10:49:59 AM

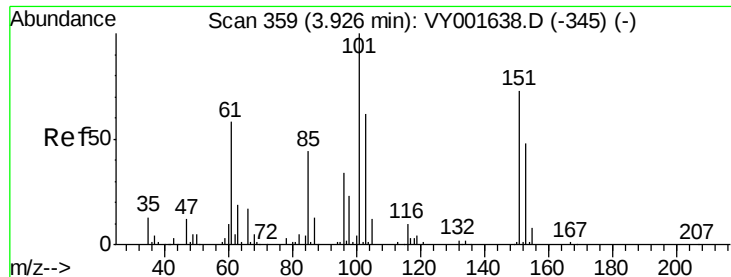


#8

Diethyl Ether
Concen: 53.893 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.9	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.553 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.00 min

Lab File: VY001638.D

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Instrument :

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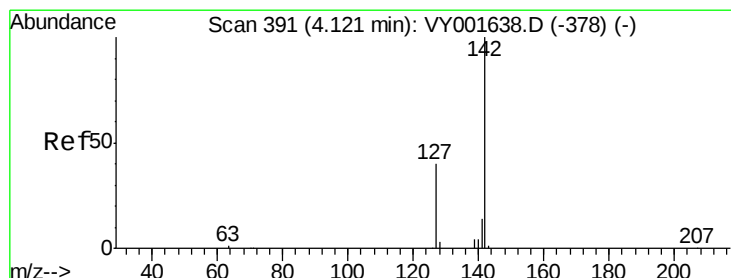
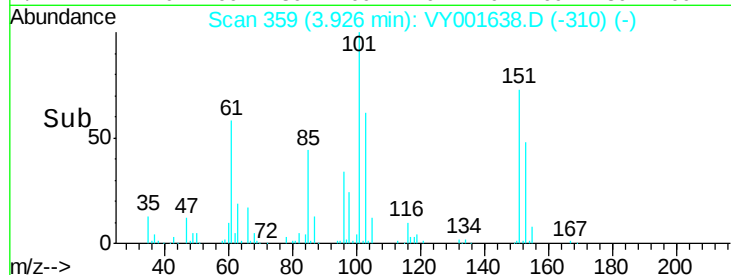
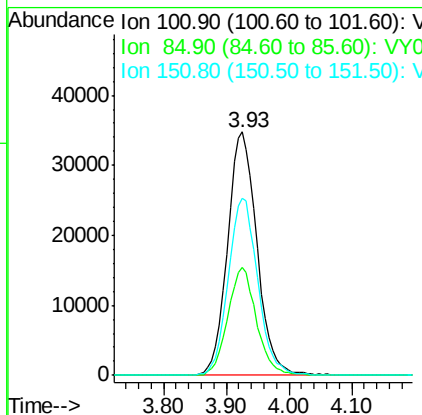
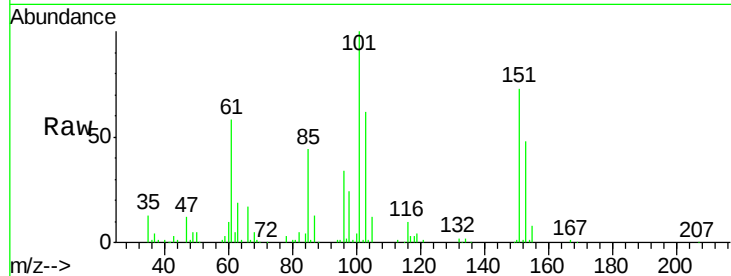
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	112498
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.6	52.0
151	73.3	58.6	88.0

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#10

Methyl Iodide

Concen: 52.155 ug/l

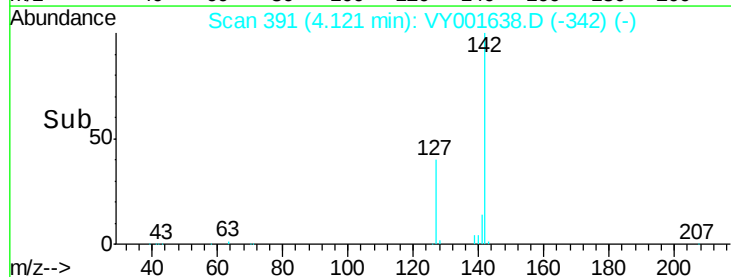
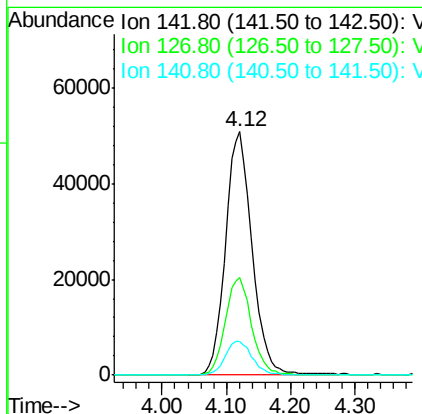
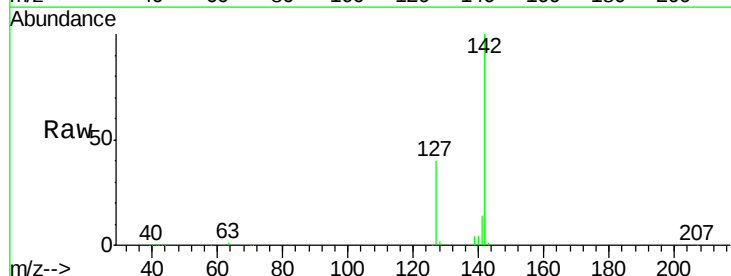
RT: 4.12 min Scan# 391

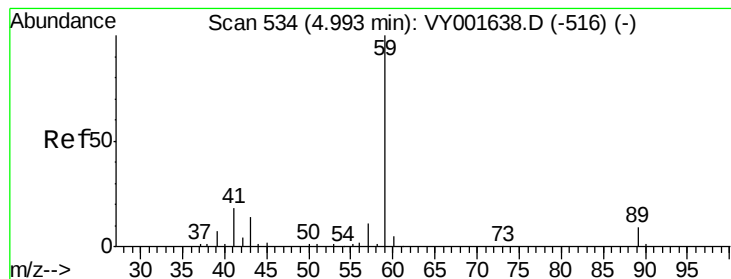
Delta R.T. 0.00 min

Lab File: VY001638.D

Acq: 17 Feb 2020 11:07

Tgt Ion:	142	Resp:	147639
Ion Ratio	Lower	Upper	
142	100		
127	39.8	31.8	47.8
141	14.1	11.3	16.9





#11

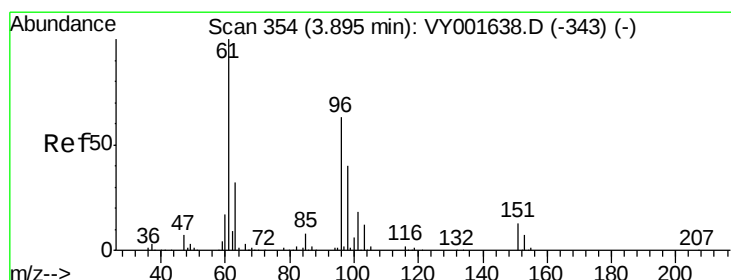
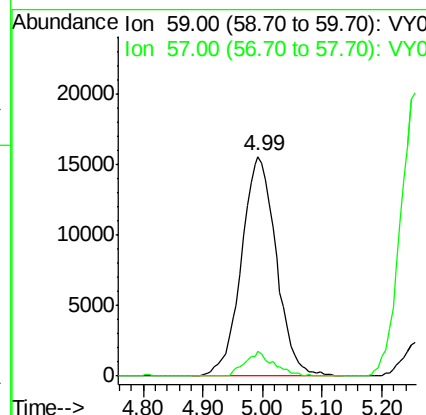
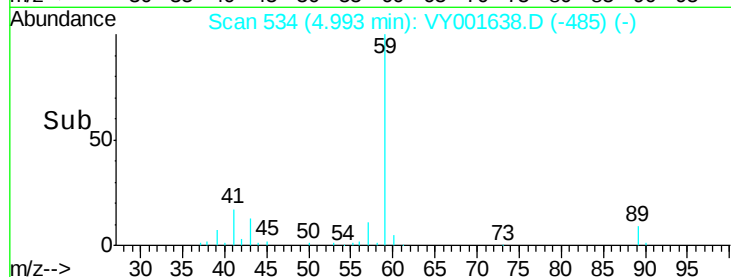
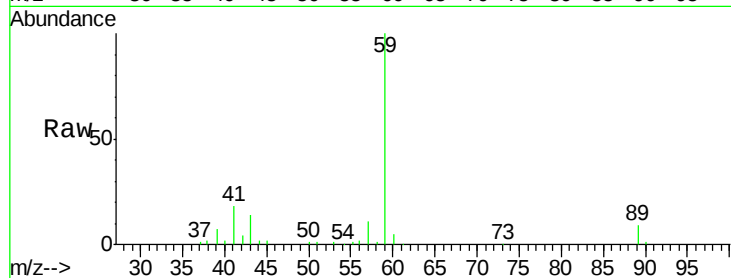
Tert butyl alcohol
 Concen: 190.201 ug/l
 RT: 4.99 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VY001638.D
 Acq: 17 Feb 2020 11:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.4	11.2

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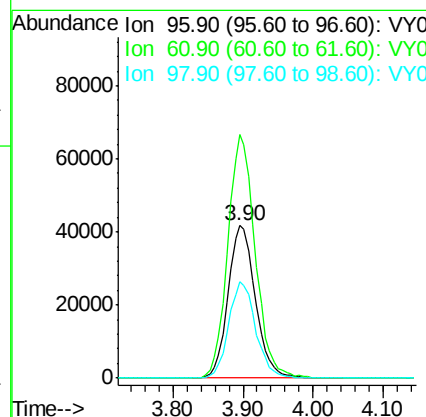
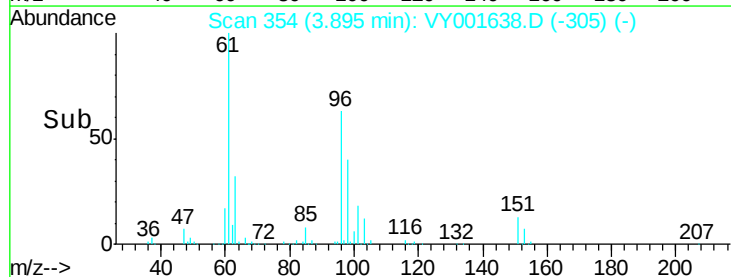
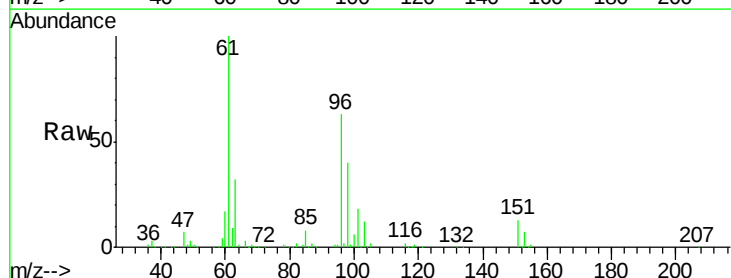
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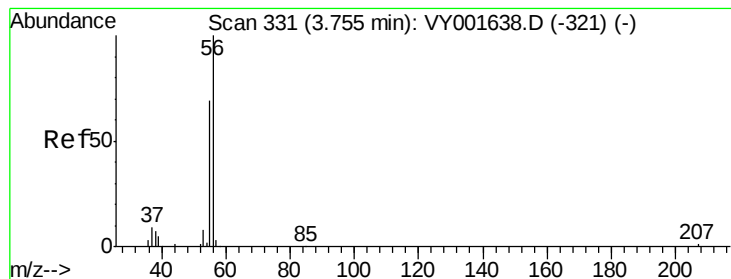


#12

1,1-Dichloroethene
 Concen: 51.063 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VY001638.D
 Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.9	127.9	191.9
98	63.7	51.0	76.4





#13

Acrolein

Concen: 262.432 ug/l

RT: 3.75 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY001638.D

Acq: 17 Feb 2020 11:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 53858

Ion Ratio Lower Upper

56 100

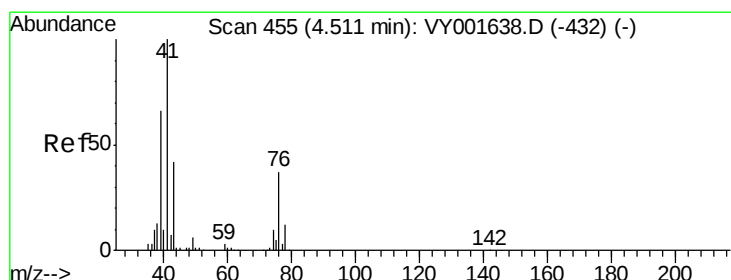
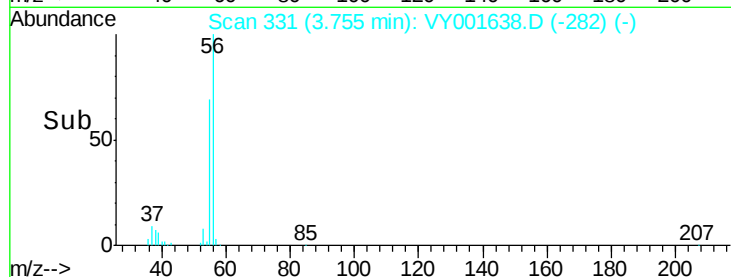
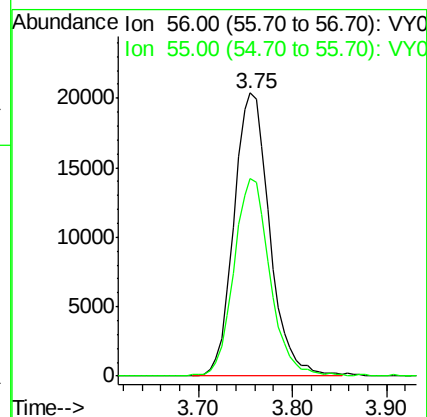
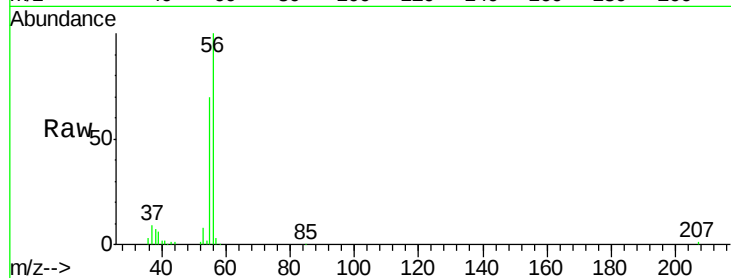
55 70.5 56.4 84.6

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#14

Allyl chloride

Concen: 58.183 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001638.D

Acq: 17 Feb 2020 11:07

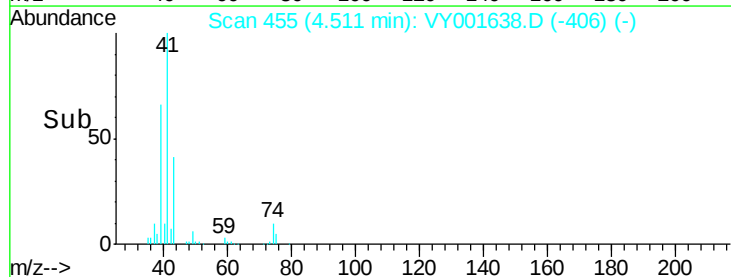
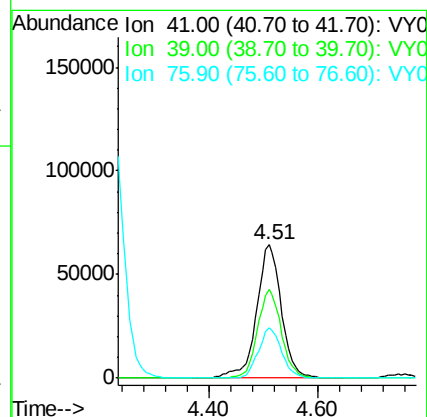
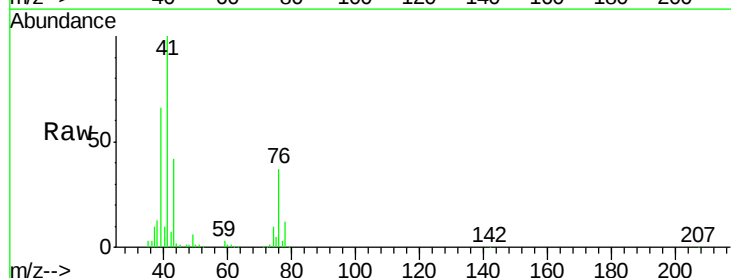
Tgt Ion: 41 Resp: 203663

Ion Ratio Lower Upper

41 100

39 63.7 51.0 76.4

76 35.3 28.2 42.4





#15

Acrylonitrile

Concen: 302.009 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.00 min

Lab File: VY001638.D

Acq: 17 Feb 2020 11:07

Instrument :

MSVOA_Y

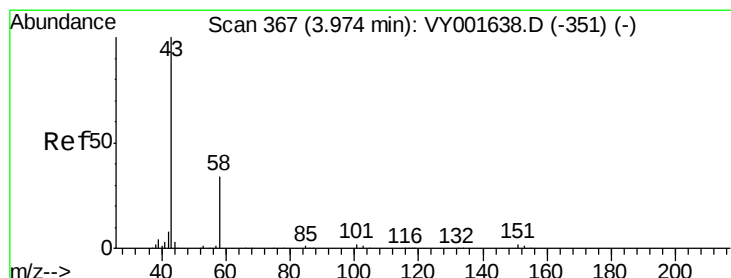
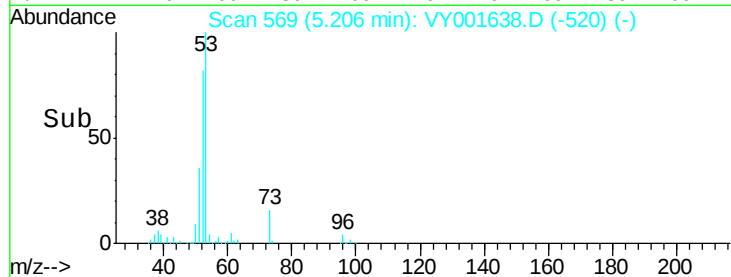
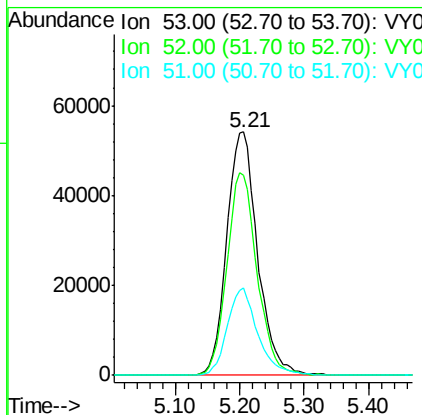
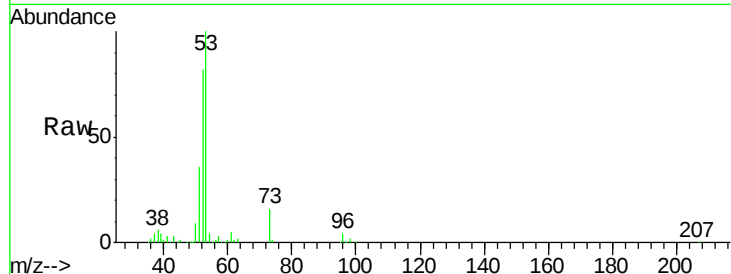
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	182012
Ion Ratio		Lower	Upper
53	100		
52	81.1	64.9	97.3
51	35.3	28.2	42.4

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#16

Acetone

Concen: 340.402 ug/l

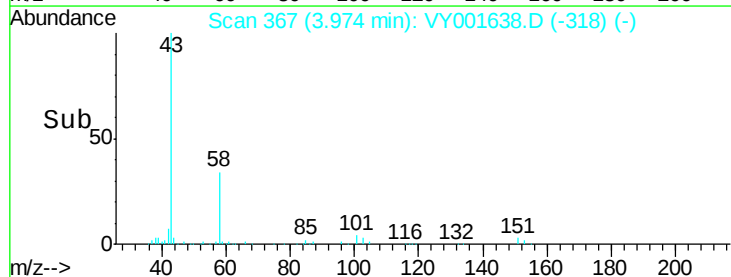
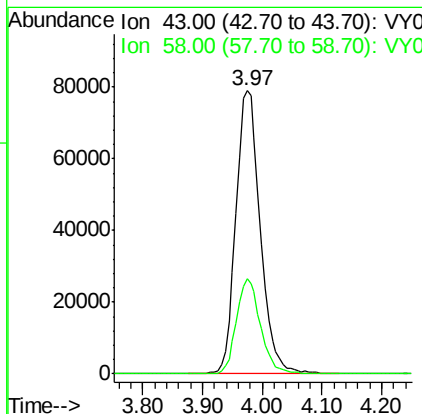
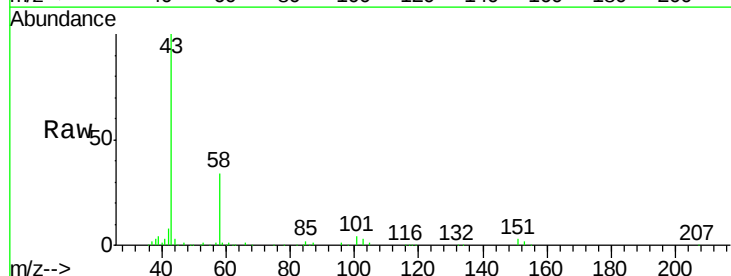
RT: 3.97 min Scan# 367

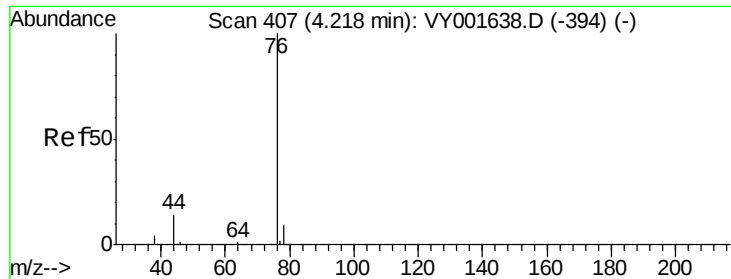
Delta R.T. 0.00 min

Lab File: VY001638.D

Acq: 17 Feb 2020 11:07

Tgt Ion:	43	Resp:	225824
Ion Ratio		Lower	Upper
43	100		
58	33.7	27.0	40.4





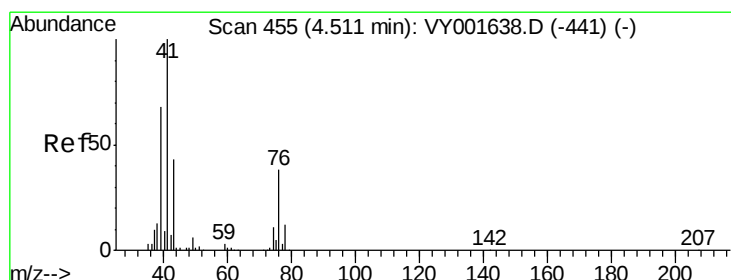
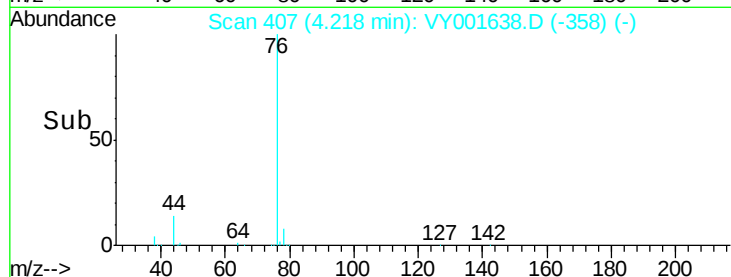
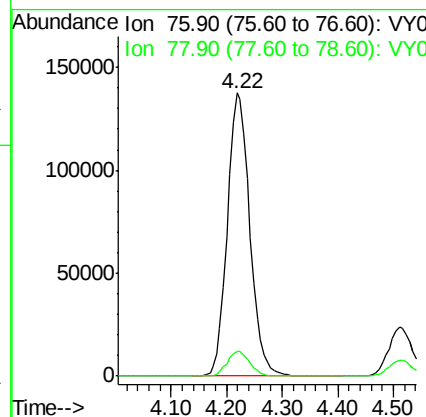
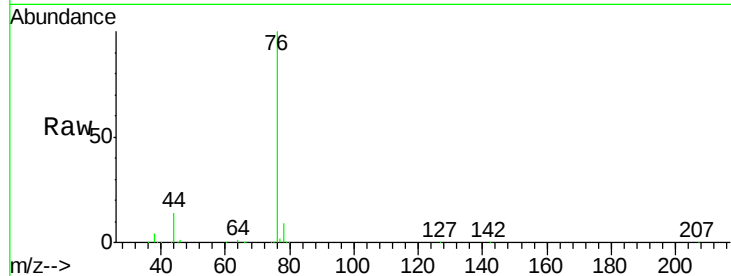
#17
Carbon Disulfide
Concen: 53.850 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

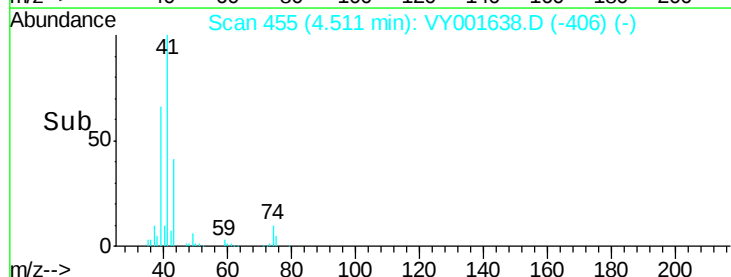
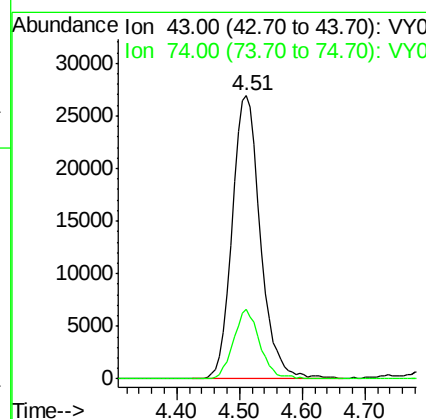
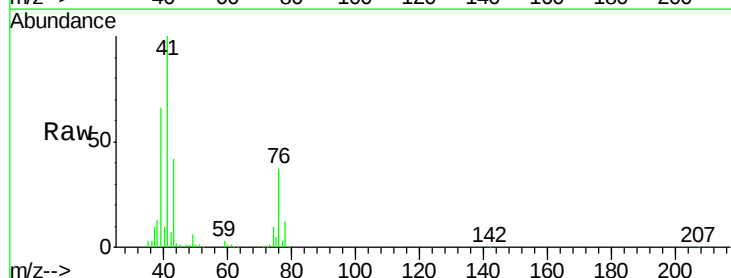
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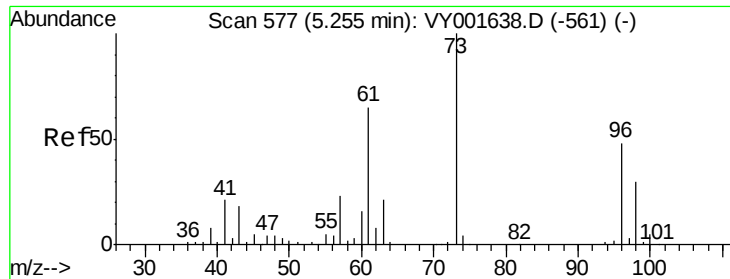
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#18
Methyl Acetate
Concen: 60.390 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	18.2	27.4





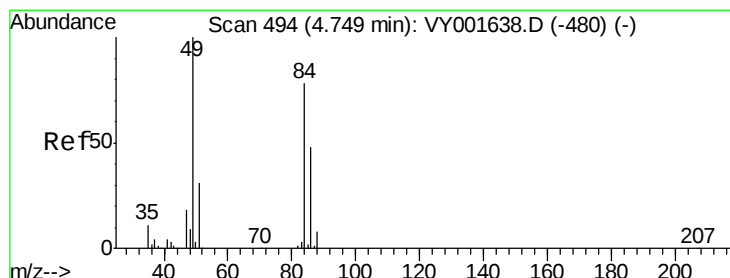
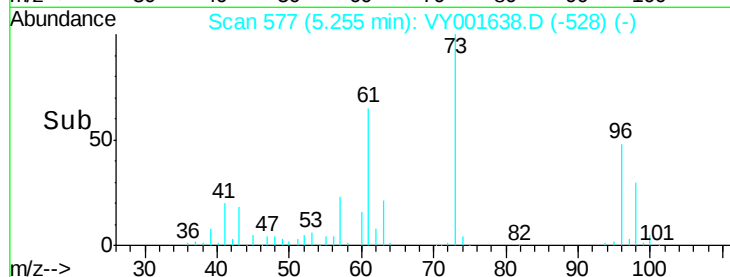
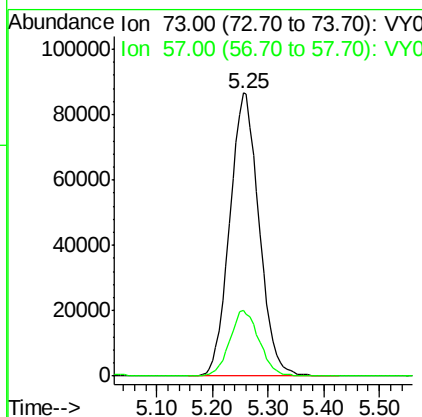
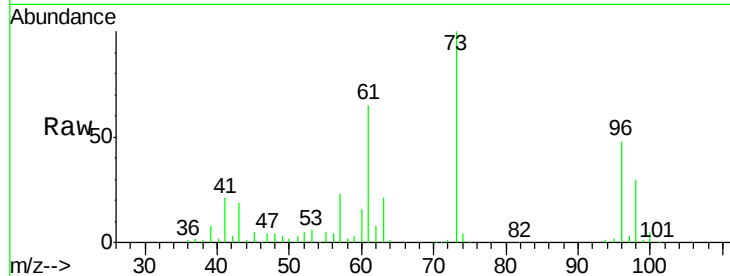
#19
Methyl tert-butyl Ether
Concen: 52.852 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 316081
Ion Ratio Lower Upper
73 100
57 23.2 18.6 27.8

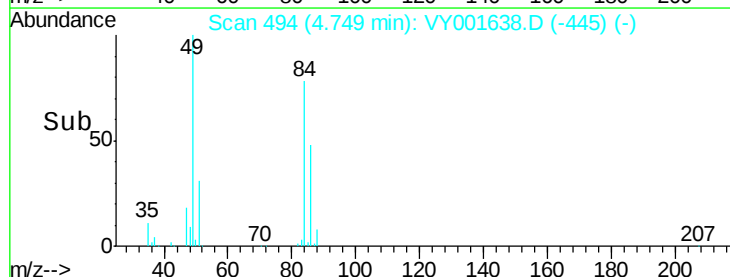
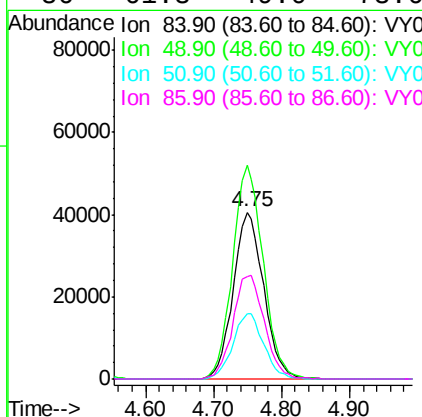
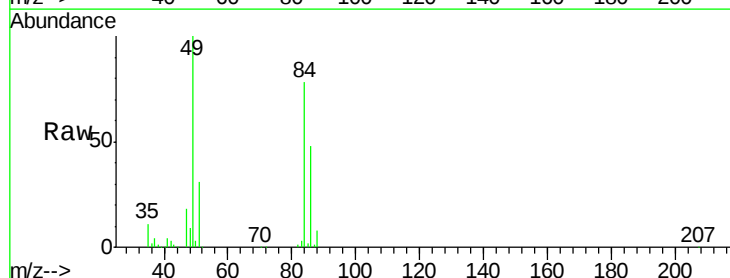
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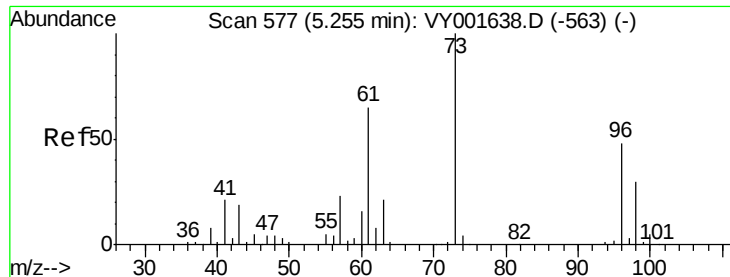
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#20
Methylene Chloride
Concen: 45.774 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Tgt Ion: 84 Resp: 126444
Ion Ratio Lower Upper
84 100
49 127.9 102.3 153.5
51 39.3 31.4 47.2
86 61.3 49.0 73.6





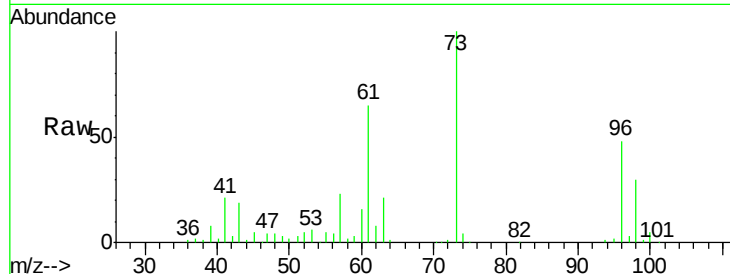
#21
trans-1,2-Dichloroethene
Concen: 51.869 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

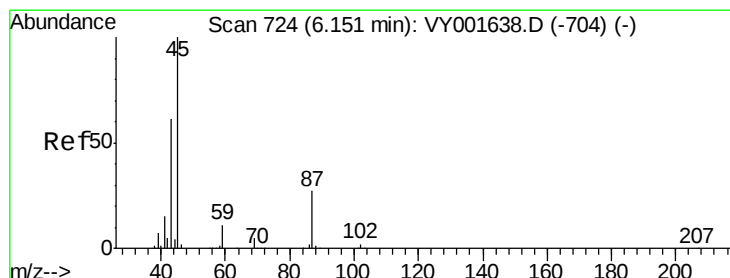
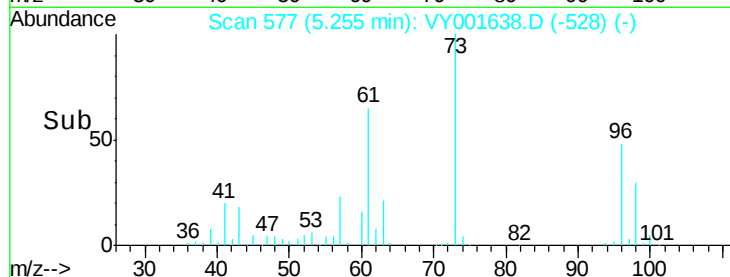
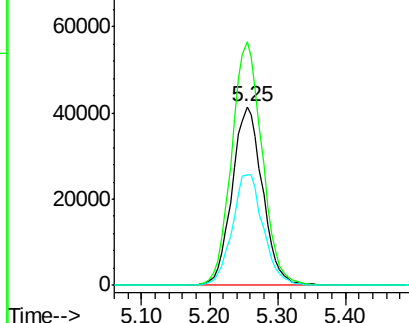
Tot Ion	Ratio	Lower	Upper
96	100		
61	136.2	109.0	163.4
98	61.9	49.5	74.3

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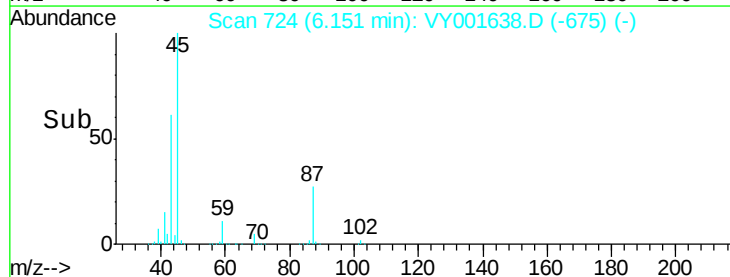
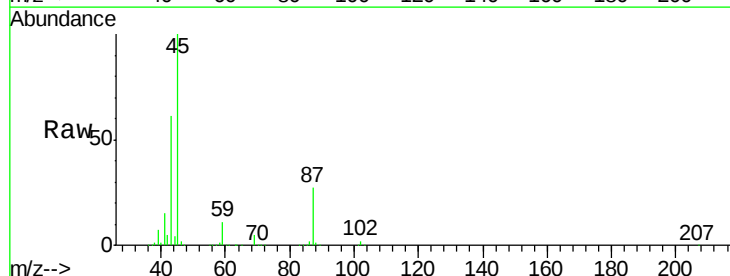
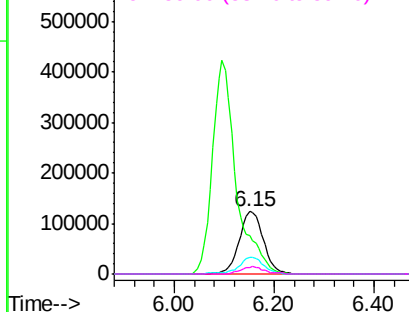
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0

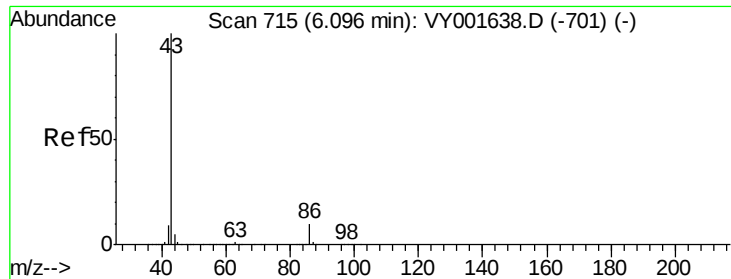


#22
Diisopropyl ether
Concen: 59.750 ug/l
RT: 6.15 min Scan# 724
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.7	48.6	72.8
87	27.1	21.7	32.5
59	11.3	9.0	13.6

Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





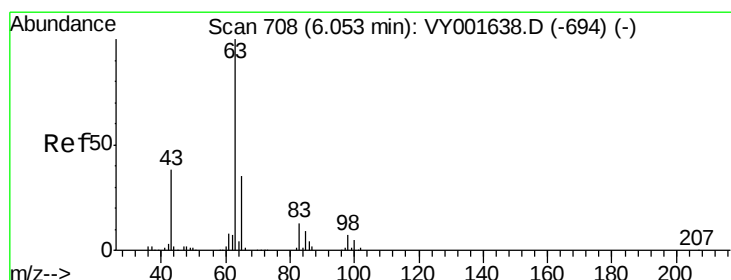
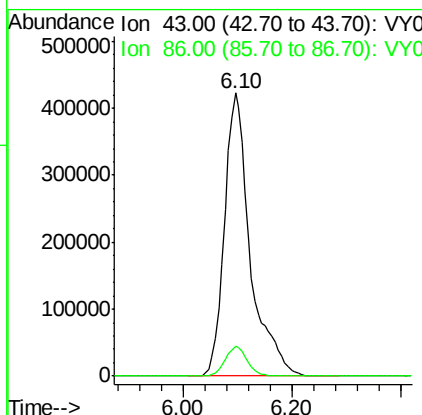
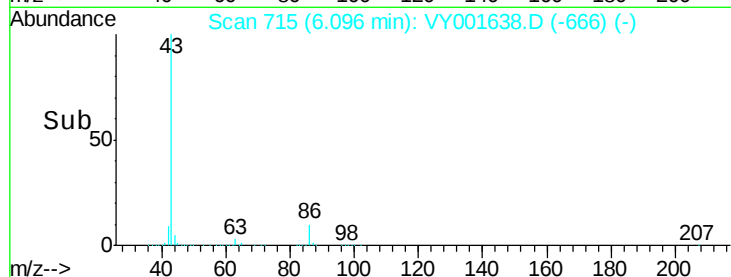
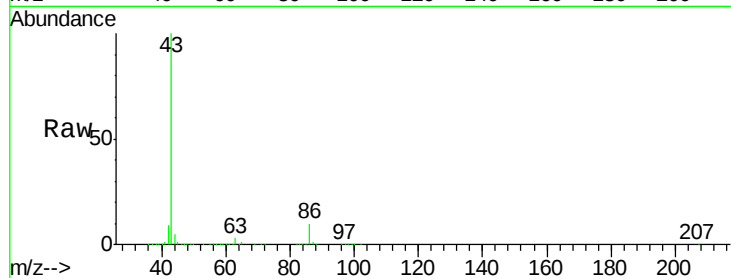
#23
 Vinyl Acetate
 Concen: 309.965 ug/l
 RT: 6.10 min Scan# 715
 Delta R.T. 0.00 min
 Lab File: VY001638.D
 Acq: 17 Feb 2020 11:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 1392590
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.3 12.5

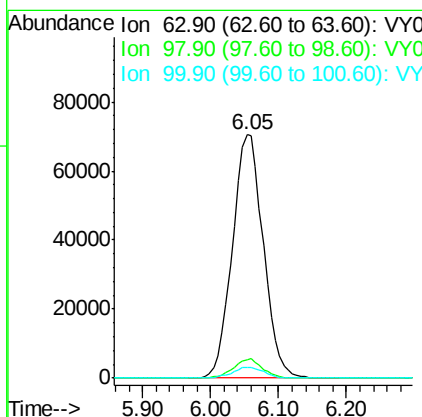
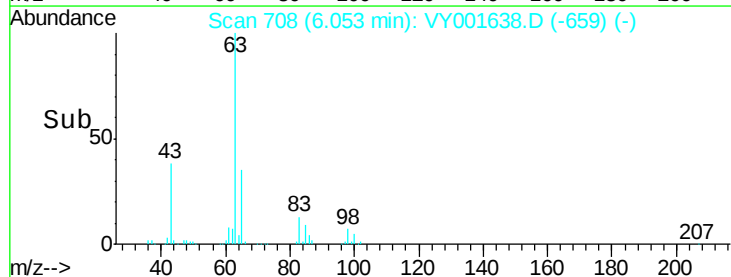
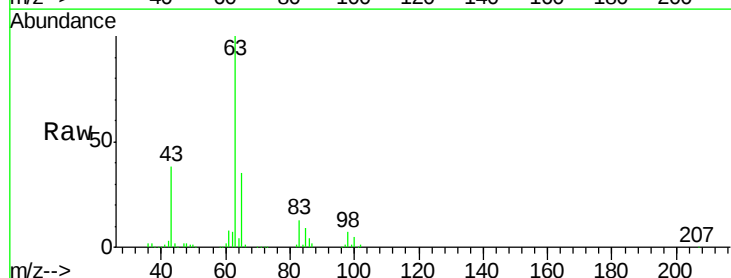
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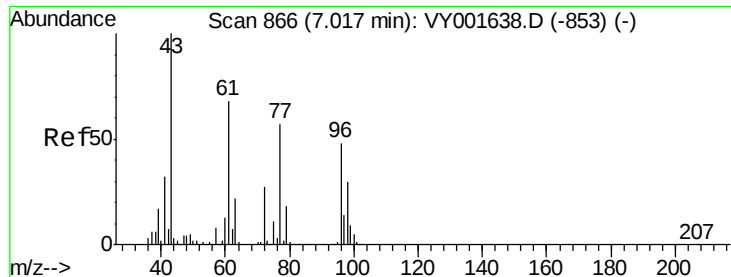
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#24
 1,1-Dichloroethane
 Concen: 54.290 ug/l
 RT: 6.05 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VY001638.D
 Acq: 17 Feb 2020 11:07

Tgt Ion: 63 Resp: 222728
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.8 11.2
 100 4.6 2.3 6.9





#25

2-Butanone

Concen: 336.855 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001638.D

Acq: 17 Feb 2020 11:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 290168

Ion Ratio Lower Upper

43 100

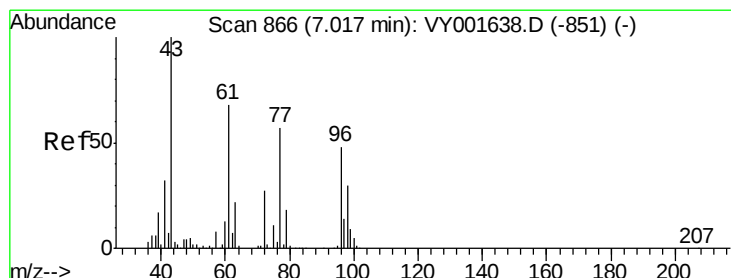
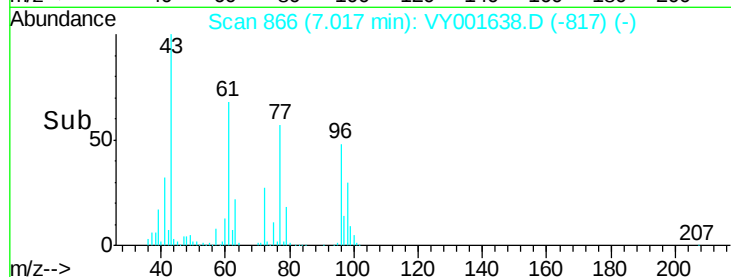
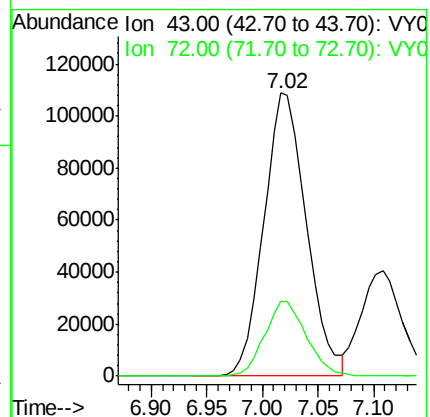
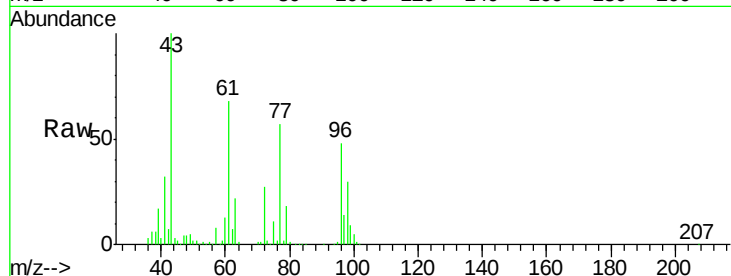
72 26.6 21.3 31.9

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#26

2,2-Dichloropropane

Concen: 48.660 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001638.D

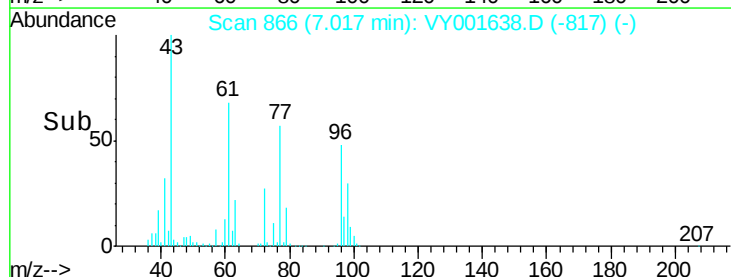
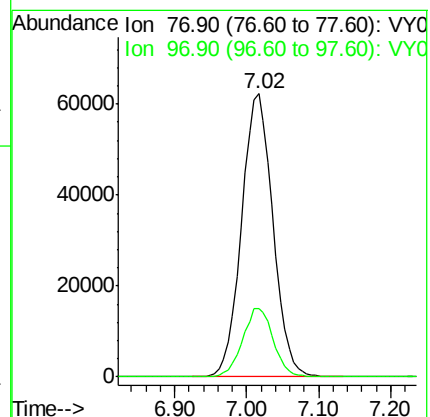
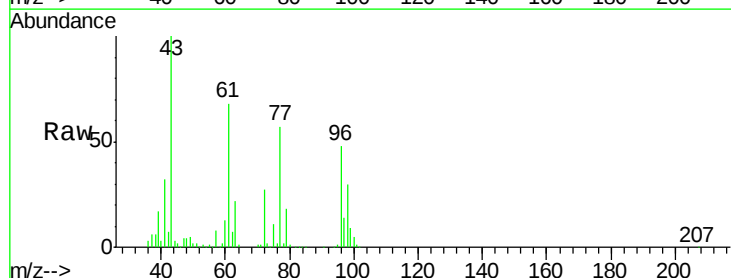
Acq: 17 Feb 2020 11:07

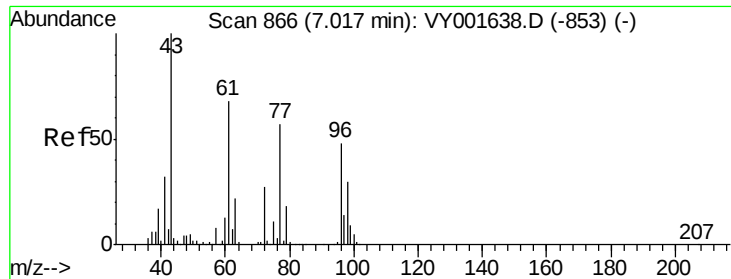
Tgt Ion: 77 Resp: 188036

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.5





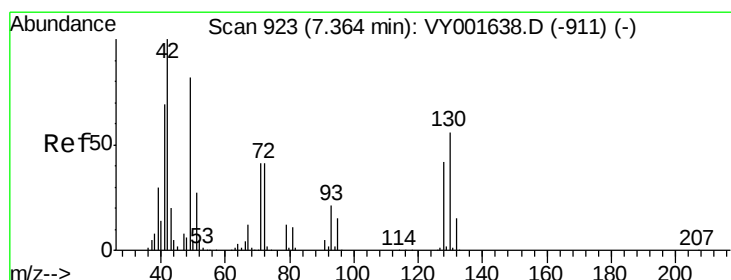
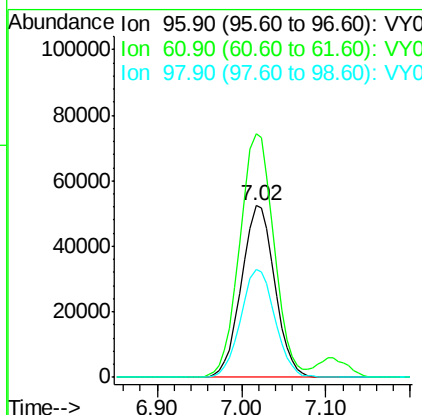
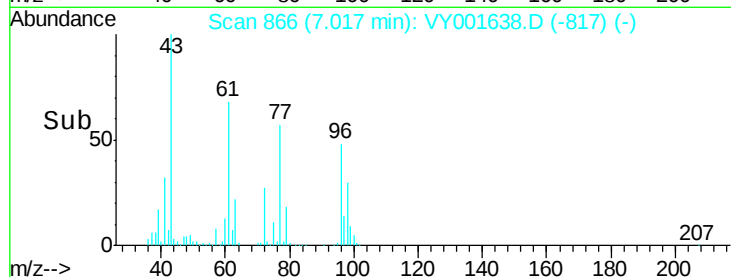
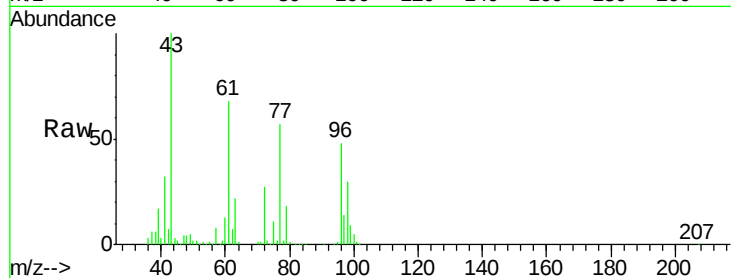
#27
 cis-1,2-Dichloroethene
 Concen: 51.867 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VY001638.D
 Acq: 17 Feb 2020 11:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	145.7	0.0	291.4	
98	64.3	0.0	128.6	

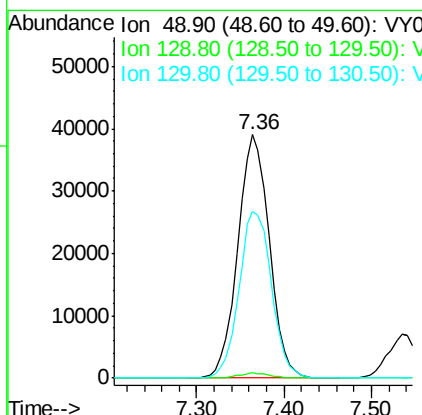
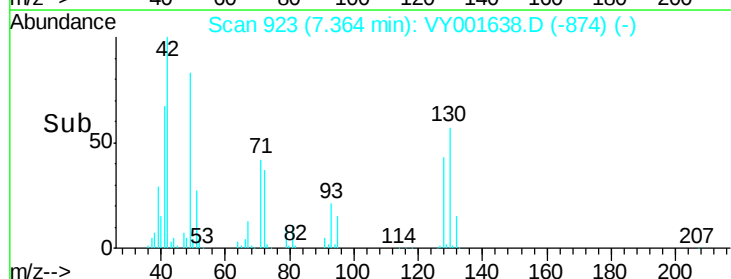
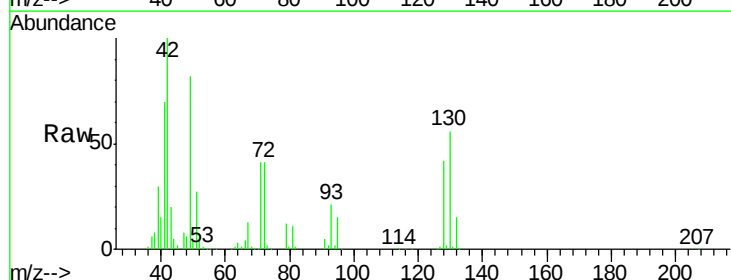
Manual Integrations
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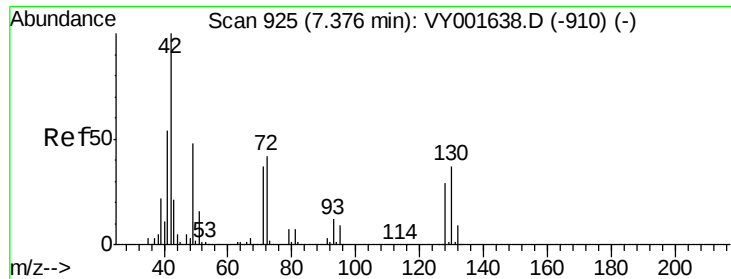
MMDadoda
 2/19/2020 10:49:59 AM



#28
 Bromochloromethane
 Concen: 67.443 ug/l
 RT: 7.36 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VY001638.D
 Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.0	
130	70.5	56.4	84.6	





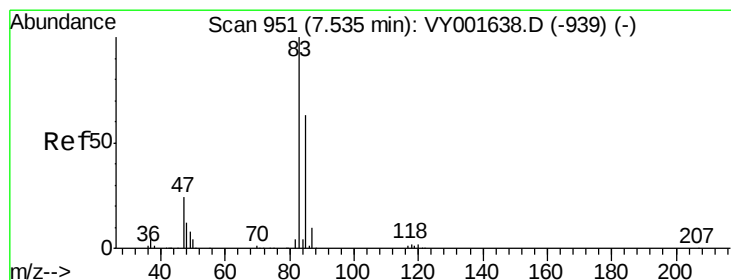
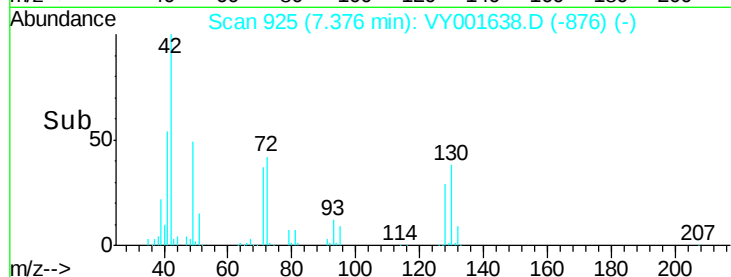
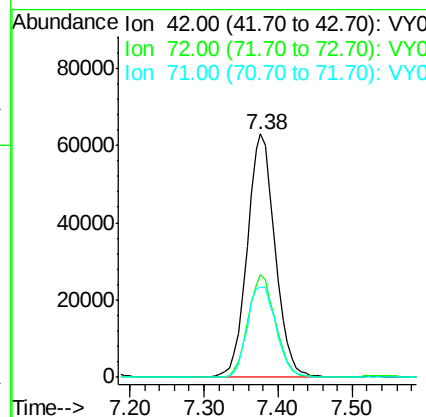
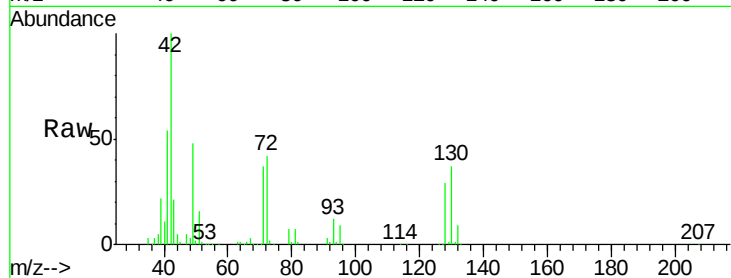
#29
Tetrahydrofuran
Concen: 323.014 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.2	49.8
71	38.8	31.0	46.6

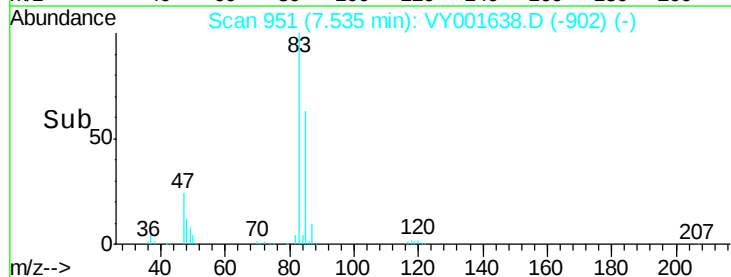
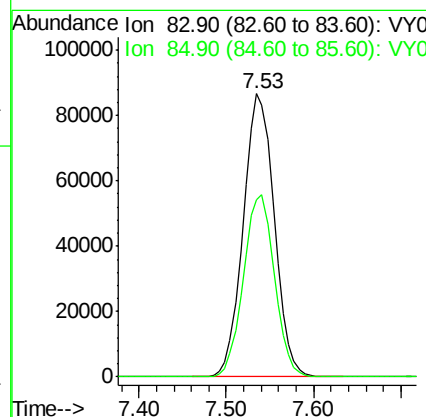
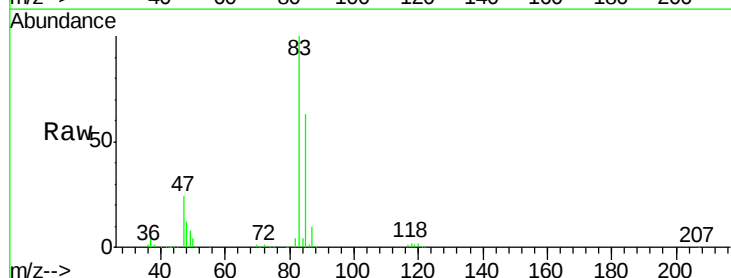
Manual Integrations
APPROVED

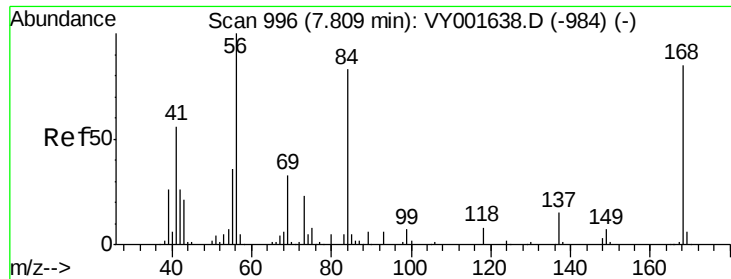
MMDadoda
2/19/2020 10:49:59 AM



#30
Chloroform
Concen: 51.894 ug/l
RT: 7.53 min Scan# 951
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.2	75.4





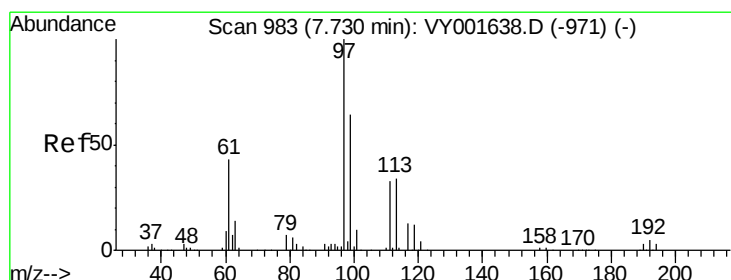
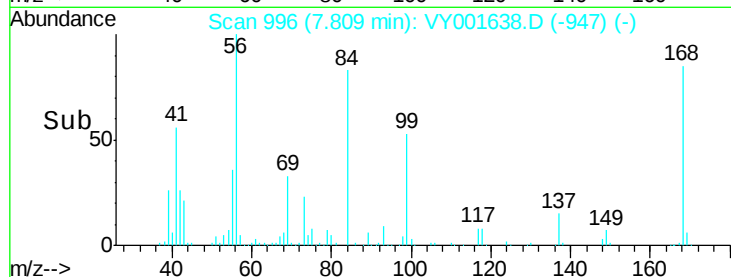
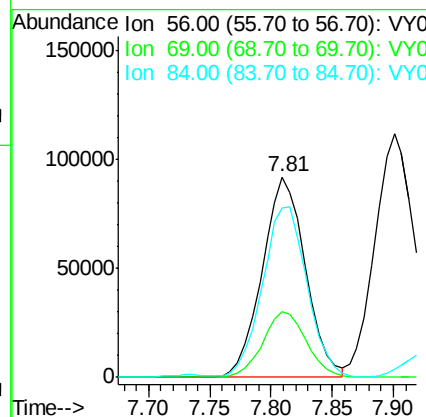
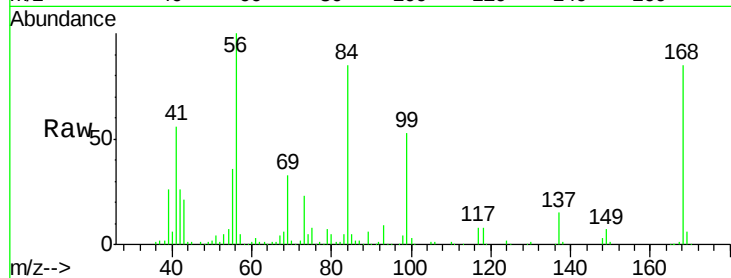
#31
Cyclohexane
Concen: 53.712 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	26.3	39.5
84	83.2	66.6	99.8

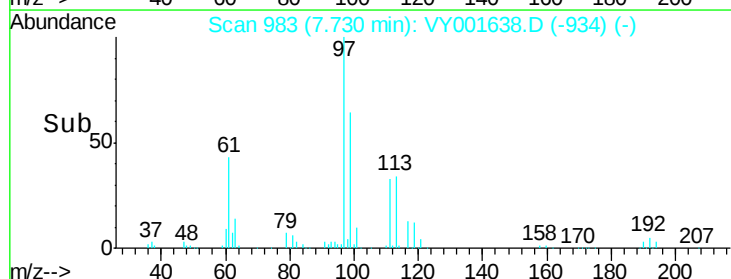
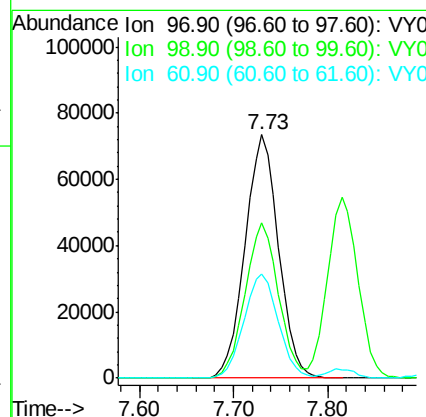
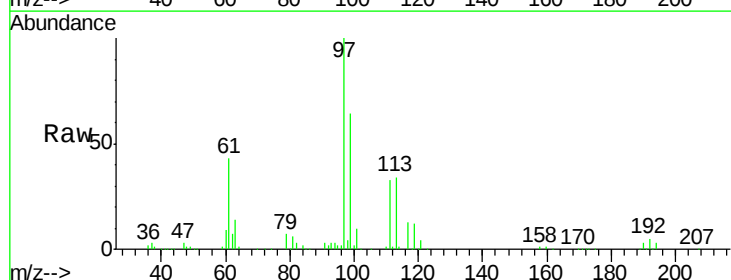
Manual Integrations
APPROVED

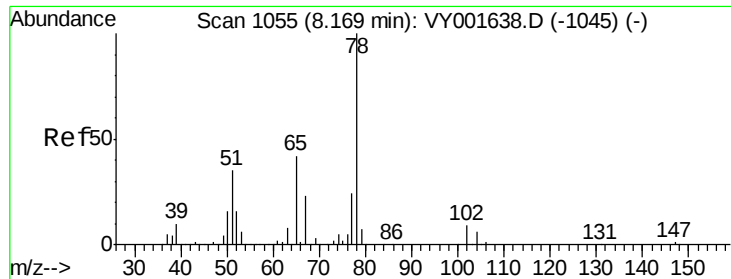
MMDadoda
2/19/2020 10:49:59 AM



#32
1,1,1-Trichloroethane
Concen: 49.522 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	44.0	35.2	52.8





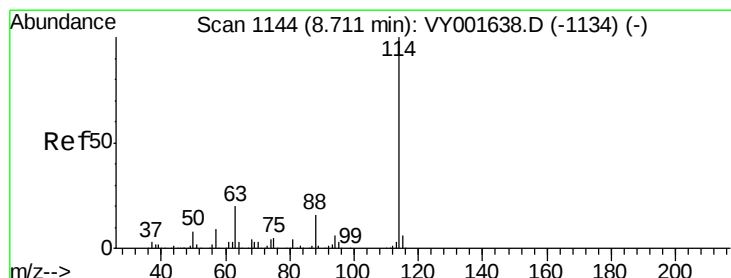
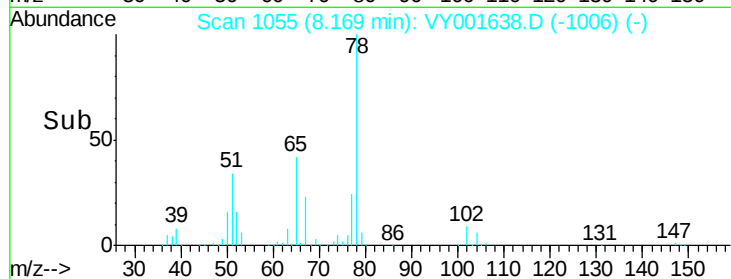
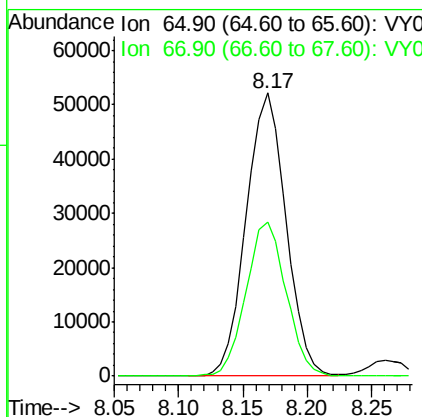
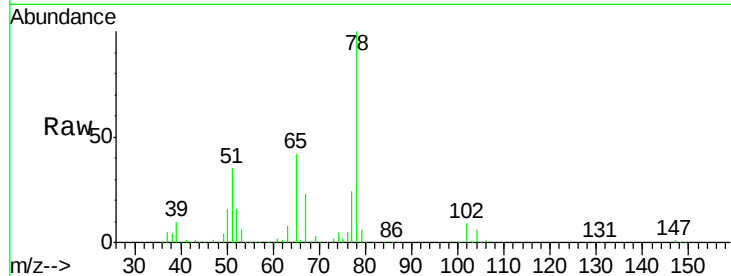
#33
 1,2-Dichloroethane-d4
 Concen: 52.022 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001638.D
 Acq: 17 Feb 2020 11:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	111591		
67	54.9	0.0	109.8	

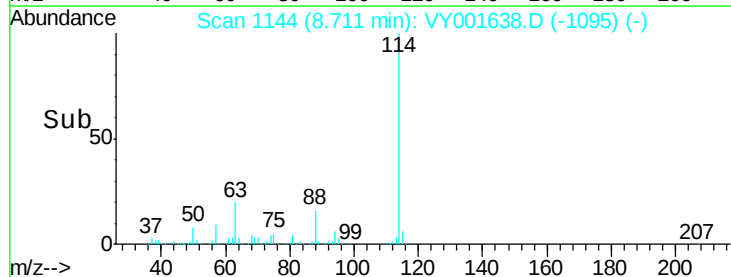
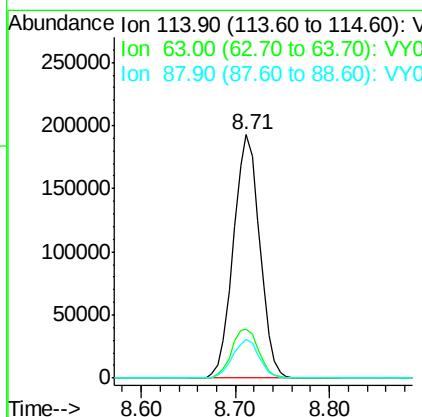
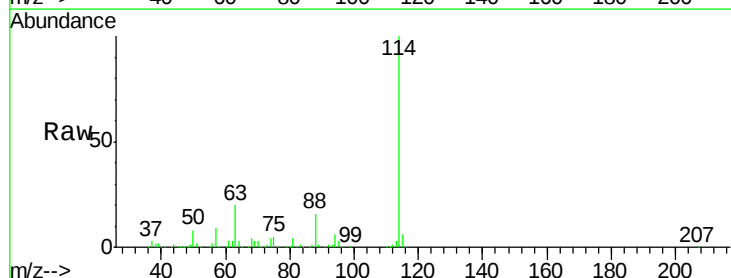
Manual Integrations
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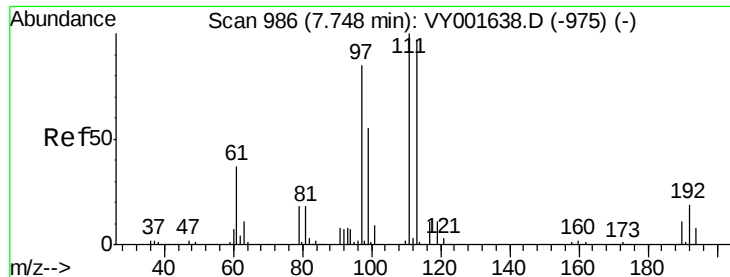
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 2/19/2020 10:49:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001638.D
 Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	373903		
63	20.1	0.0	40.2	
88	16.1	0.0	32.2	





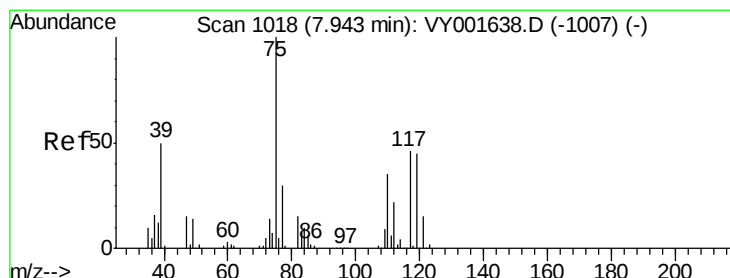
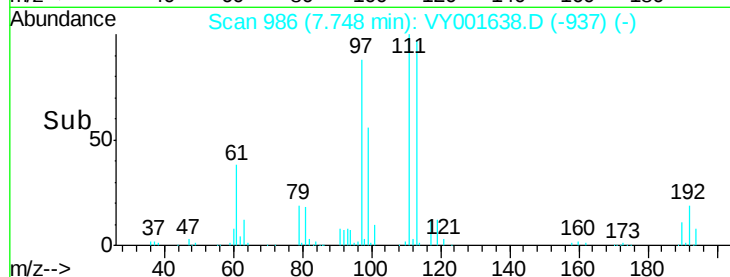
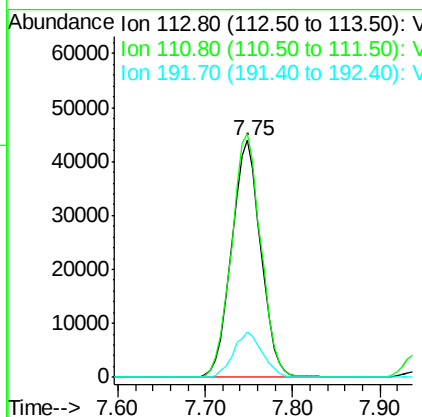
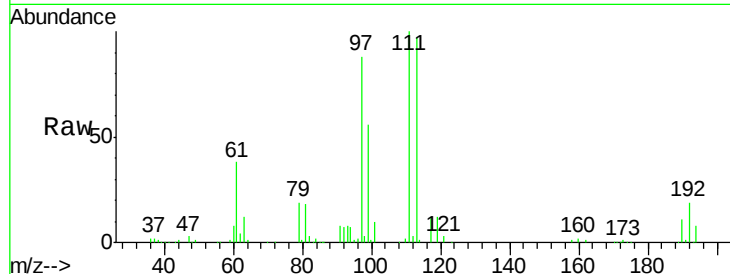
#35
Dibromofluoromethane
Concen: 47.426 ug/l
RT: 7.75 min Scan# 986
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101846		
111	104.2	83.4	125.0	
192	19.0	15.2	22.8	

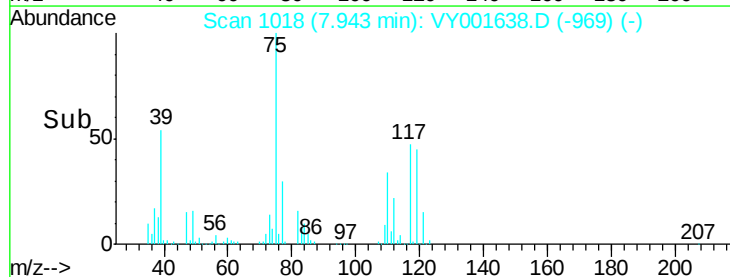
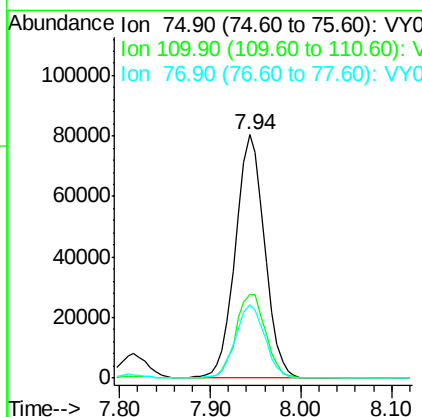
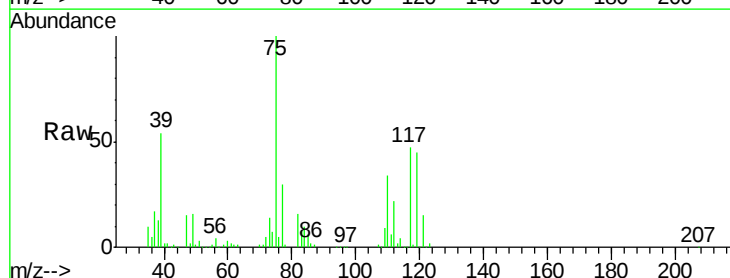
Manual Integrations
APPROVED

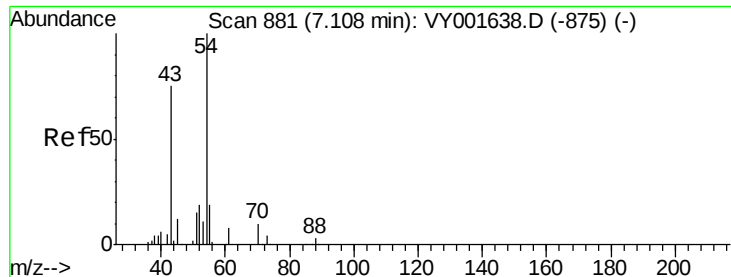
MMDadoda
2/19/2020 10:49:59 AM



#36
1,1-Dichloropropene
Concen: 52.154 ug/l
RT: 7.94 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	179316		
110	35.2	17.6	52.8	
77	30.5	24.4	36.6	





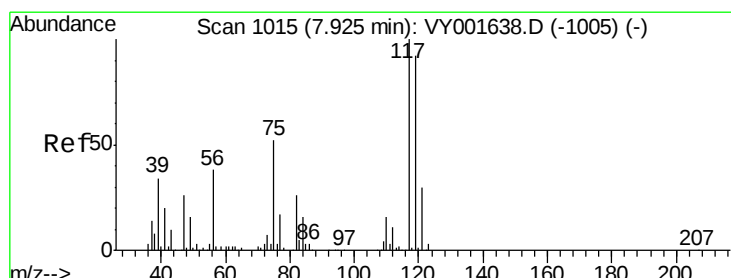
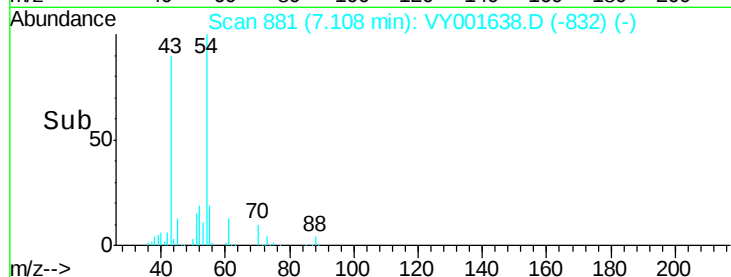
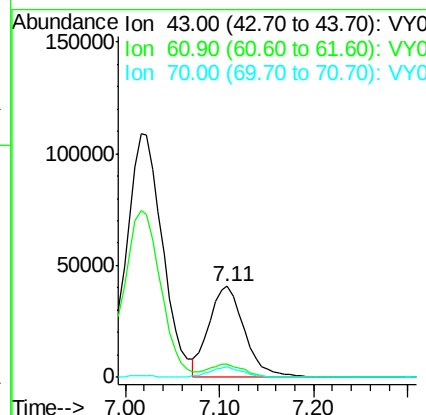
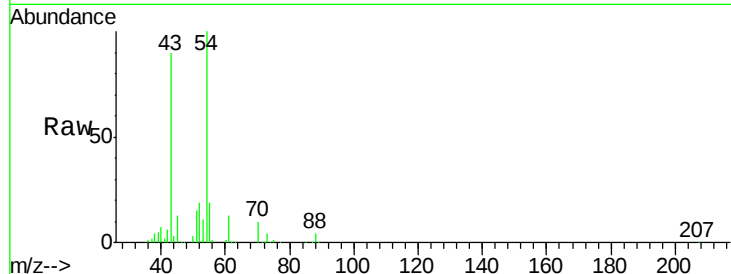
#37
Ethyl Acetate
Concen: 60.980 ug/l
RT: 7.11 min Scan# 881
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.4	17.0
70	10.7	8.6	12.8

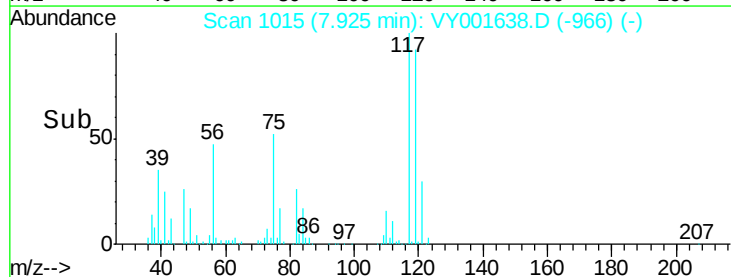
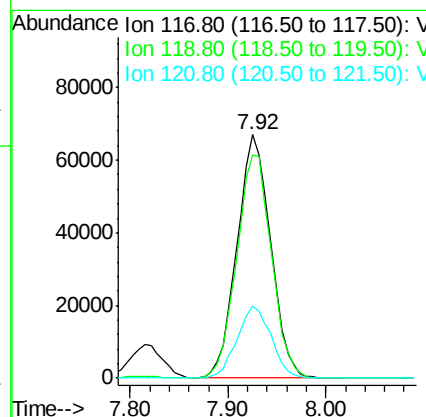
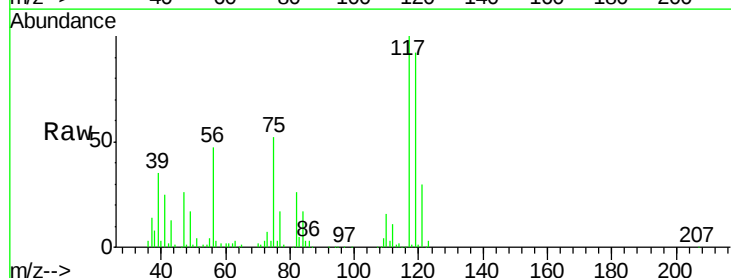
Manual Integrations
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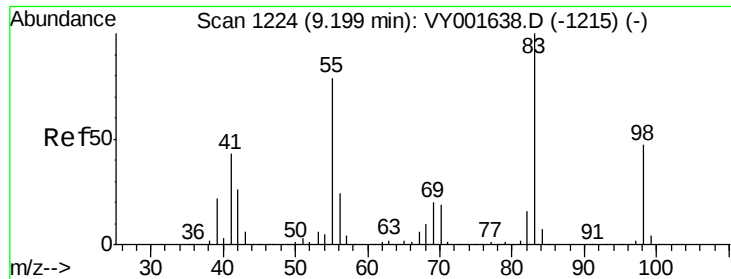
MMDadoda
2/19/2020 10:49:59 AM



#38
Carbon Tetrachloride
Concen: 48.785 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.7	73.4	110.0
121	29.6	23.7	35.5





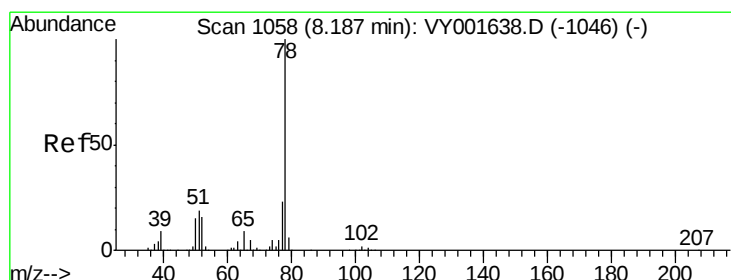
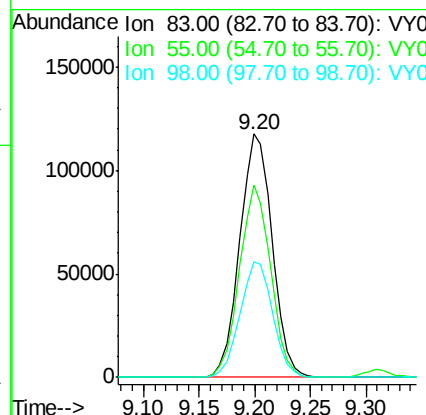
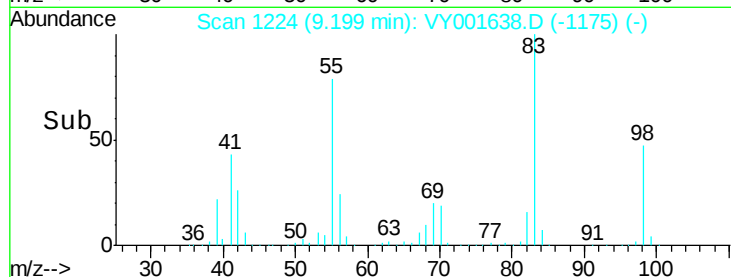
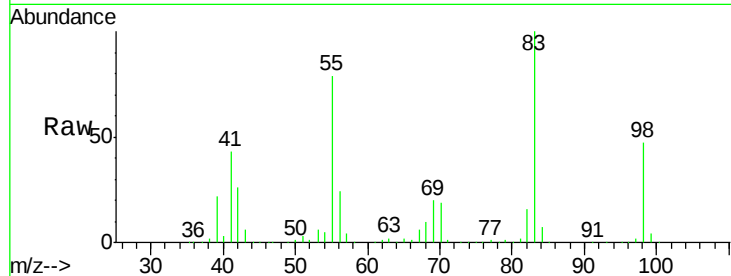
#39
Methvlcvclohexane
Concen: 52.450 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	63.3	94.9
98	47.4	37.9	56.9

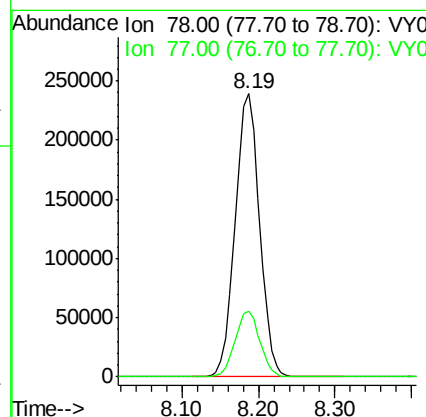
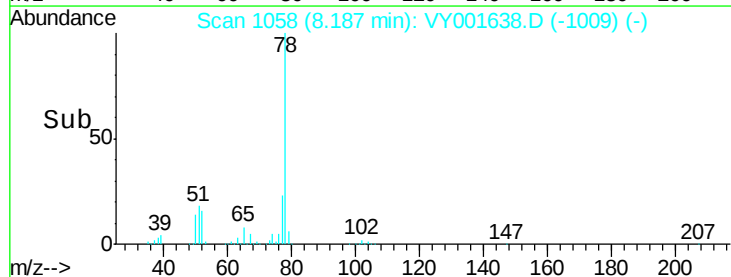
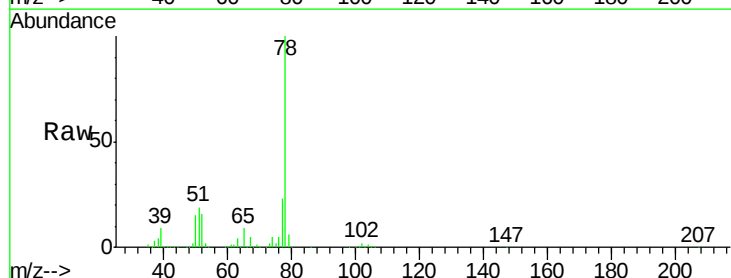
Manual Integrations
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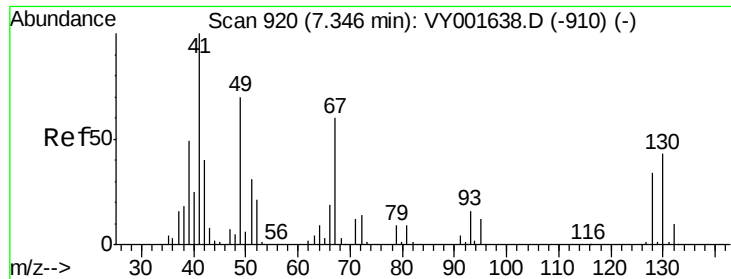
MMDadoda
2/19/2020 10:49:59 AM



#40
Benzene
Concen: 53.291 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





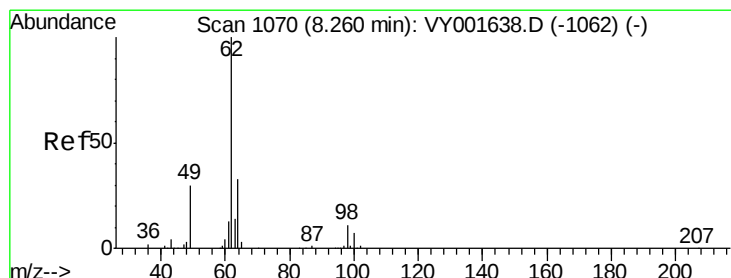
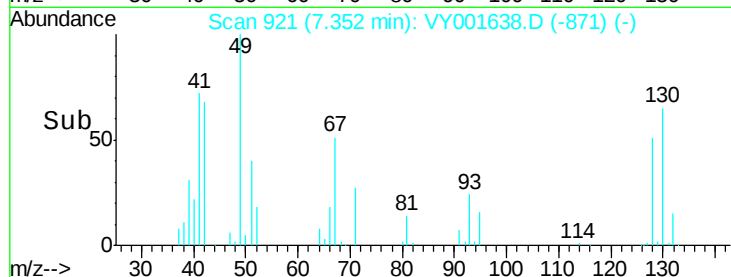
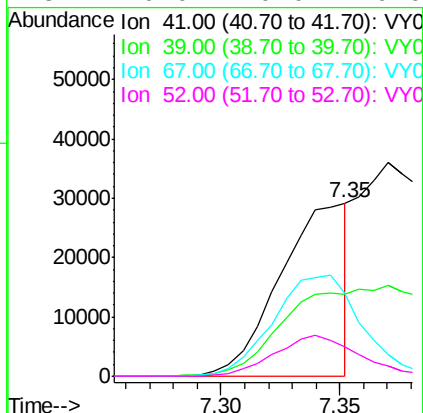
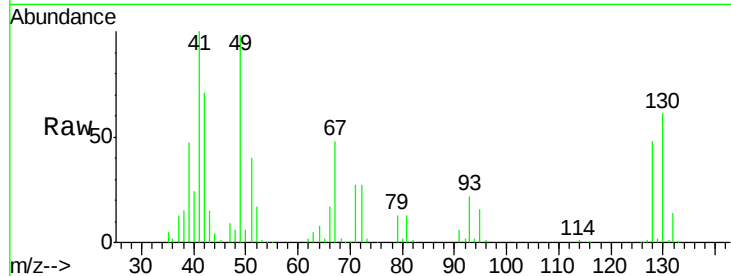
#41
Methacrylonitrile
Concen: 74.168 ug/l m
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	116.5	114.2	171.4
67	0.0	0.0	0.0
52	0.0	0.0	0.0

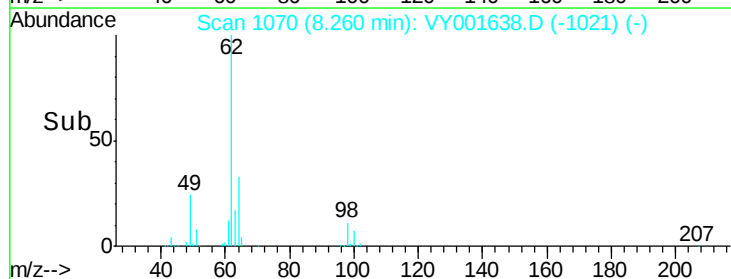
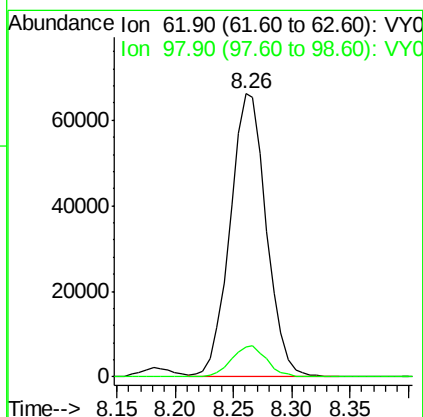
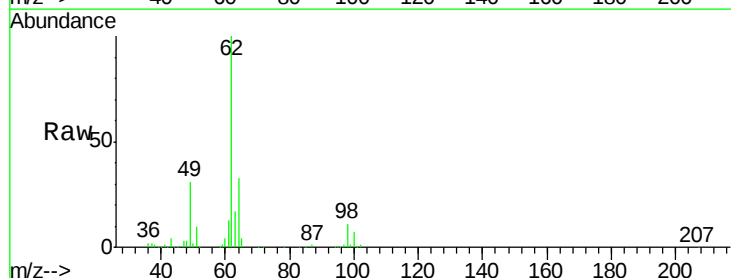
Manual Integrations
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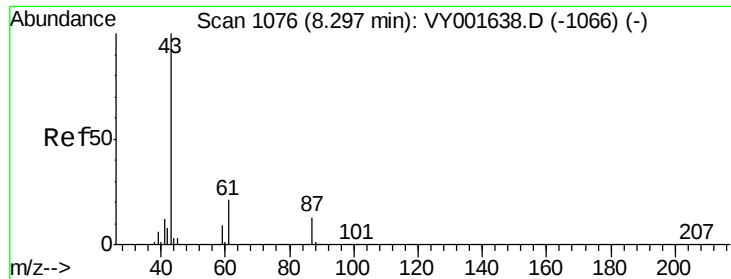
MMDadoda
2/19/2020 10:49:59 AM



#42
1,2-Dichloroethane
Concen: 52.076 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	21.4





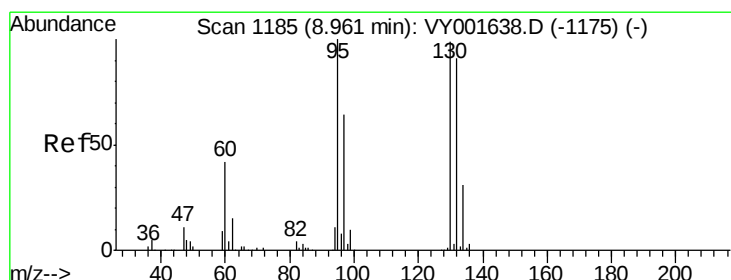
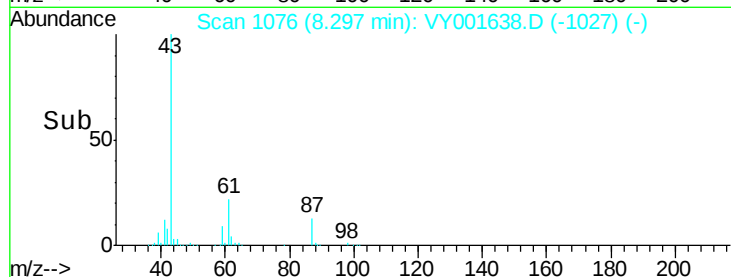
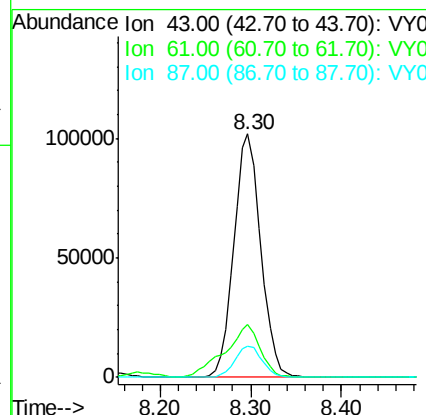
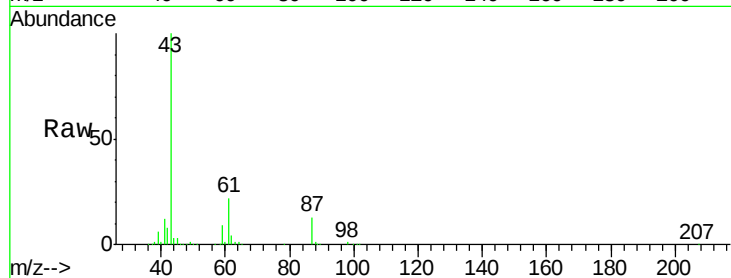
#43
Isopropyl Acetate
Concen: 60.657 ug/l
RT: 8.30 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.7	23.0	34.4
87	13.0	10.4	15.6

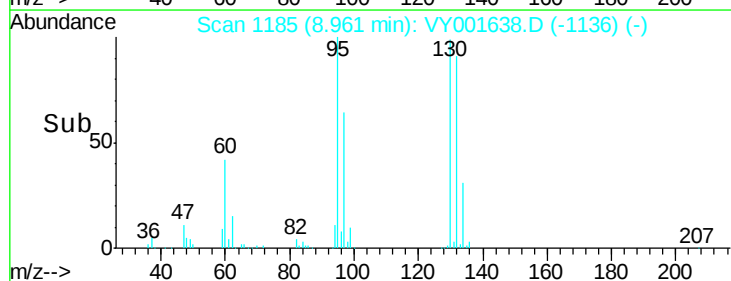
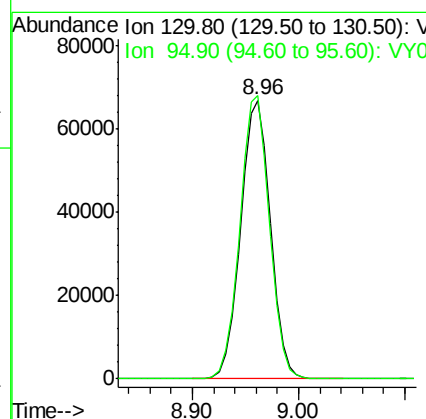
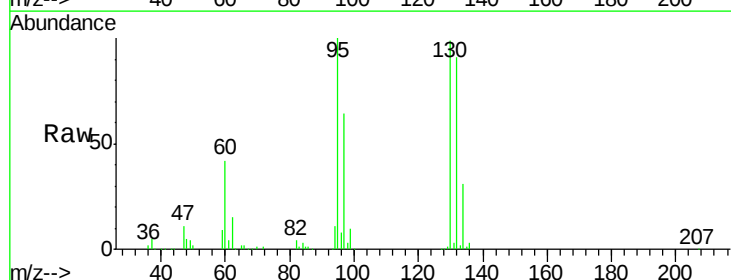
Manual Integrations
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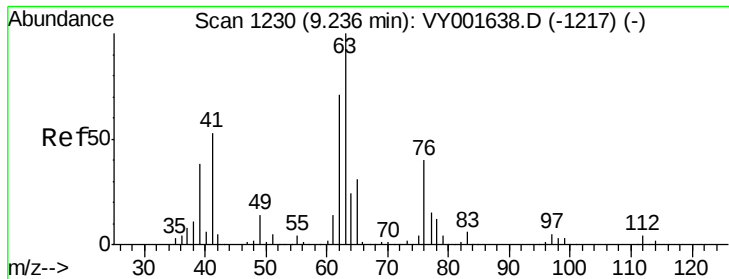
MMDadoda
2/19/2020 10:49:59 AM



#44
Trichloroethene
Concen: 49.909 ug/l
RT: 8.96 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	203.0





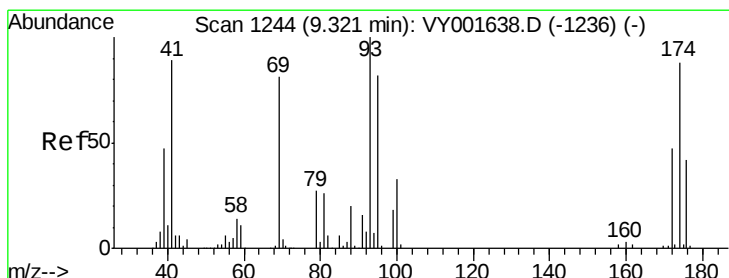
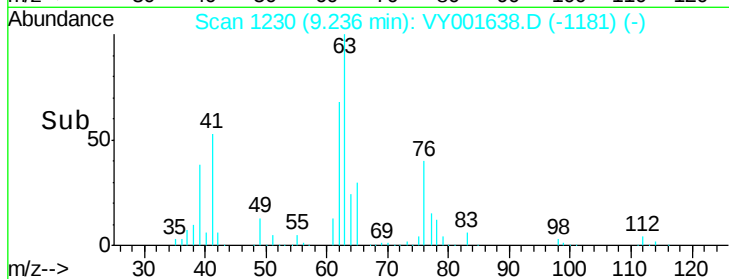
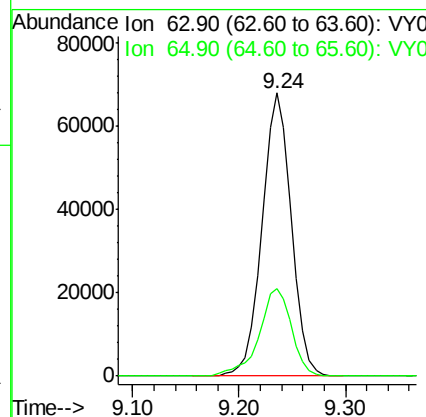
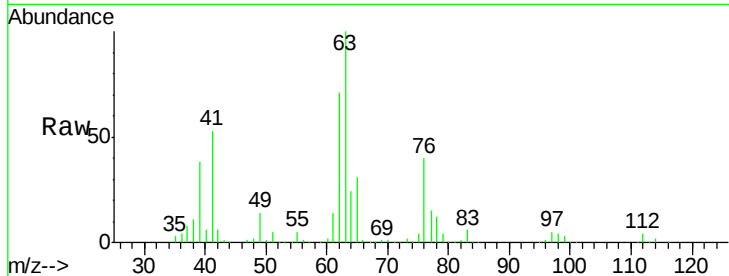
#45
 1,2-Dichloropropane
 Concen: 54.601 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VY001638.D
 Acq: 17 Feb 2020 11:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	37.0

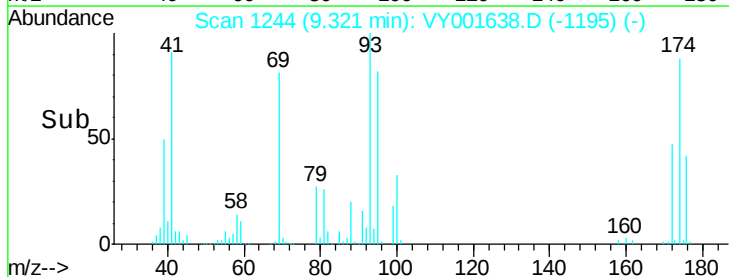
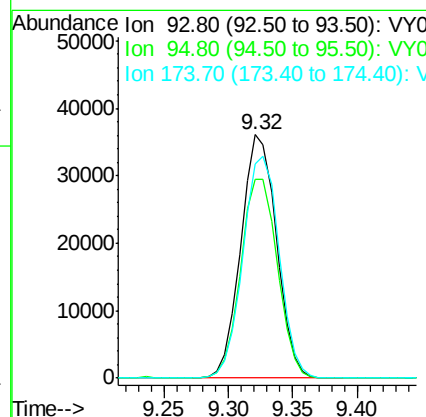
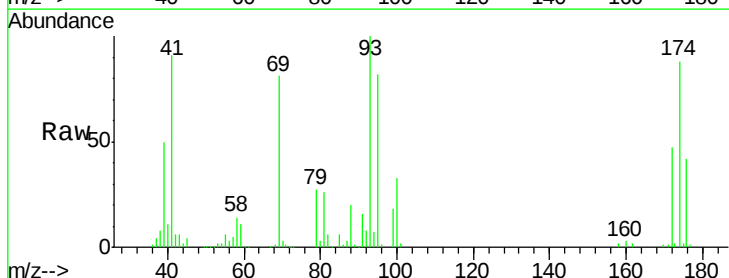
Manual Integrations
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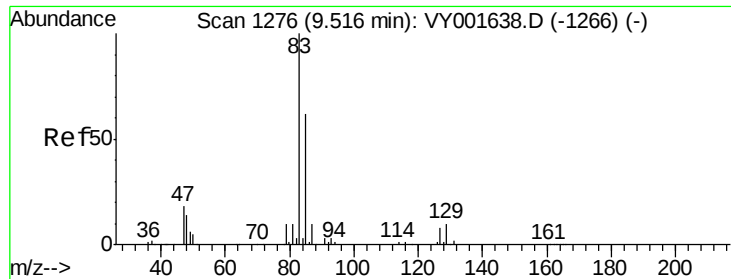
MMDadoda
 2/19/2020 10:49:59 AM



#46
 Dibromomethane
 Concen: 51.828 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY001638.D
 Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	67.3	100.9
174	92.6	74.1	111.1





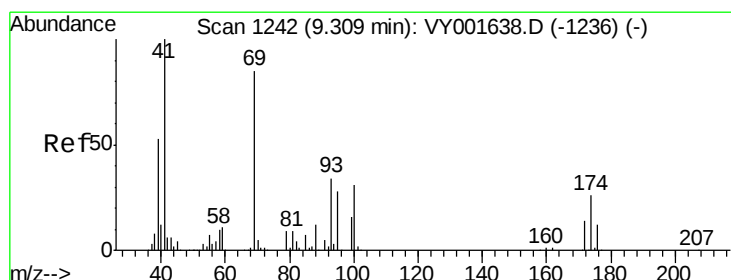
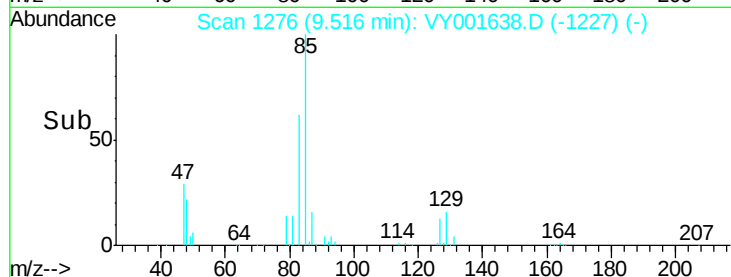
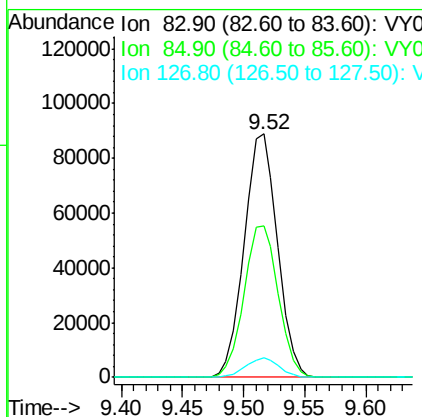
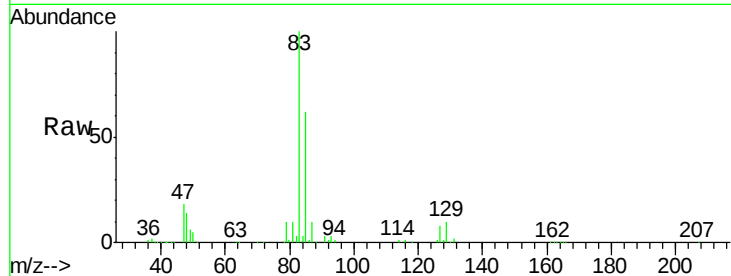
#47
Bromodichloromethane
Concen: 51.881 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.0	75.0
127	7.9	6.3	9.5

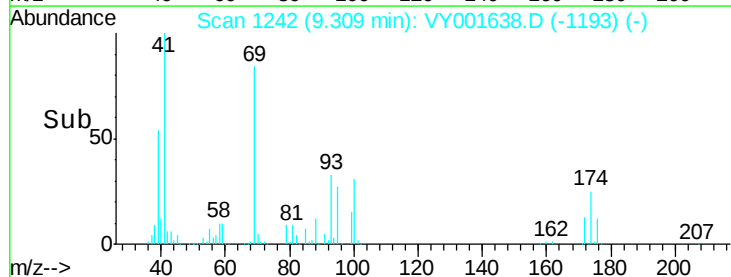
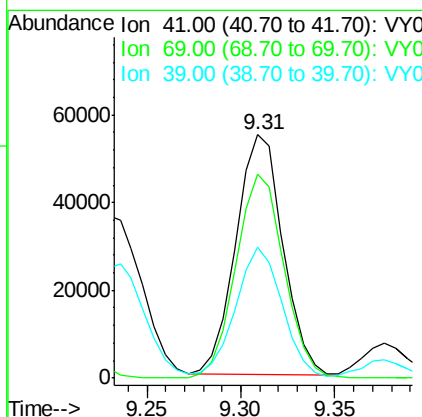
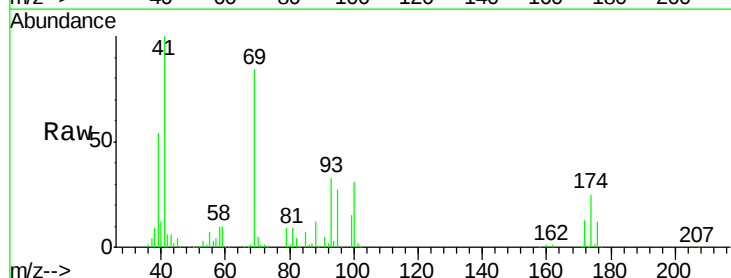
Manual Integrations
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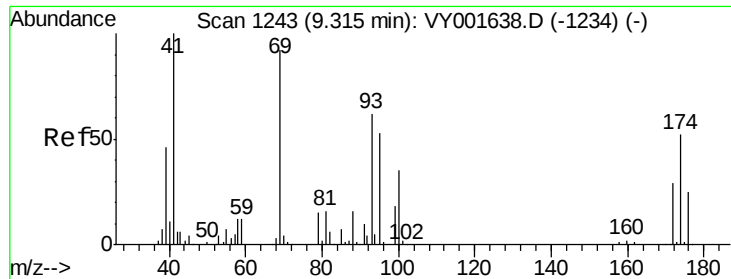
MMDadoda
2/19/2020 10:49:59 AM



#48
Methyl methacrylate
Concen: 60.468 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.9	69.5	104.3
39	52.2	41.8	62.6





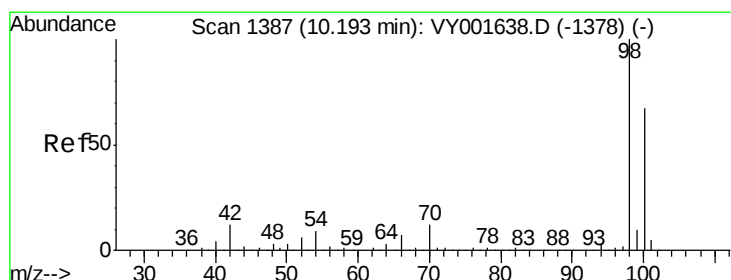
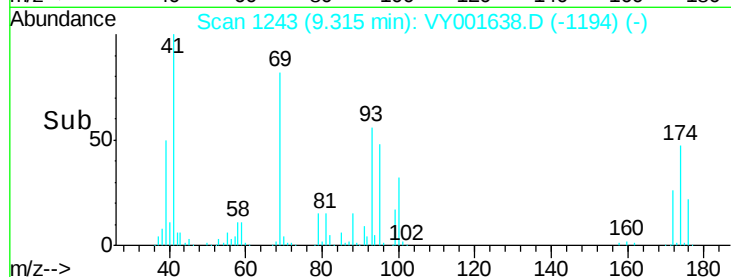
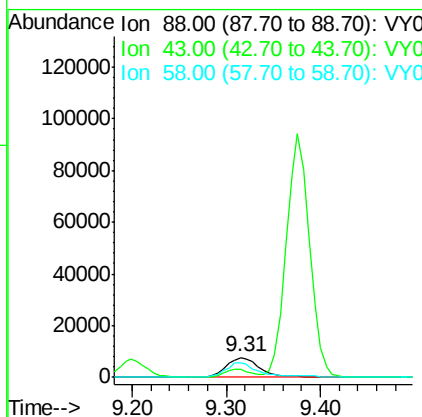
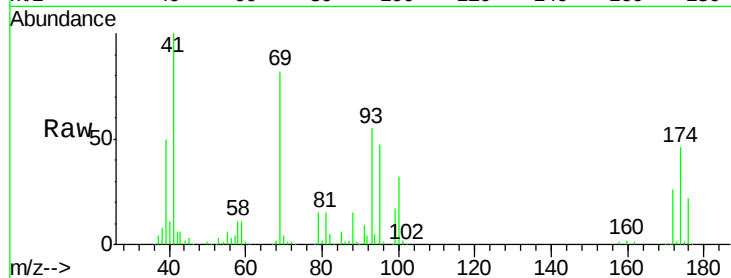
#49
1,4-Dioxane
Concen: 1082.180 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	19468
Ion Ratio	Lower	Upper	
88	100		
43	34.5	27.6	41.4
58	75.5	60.4	90.6

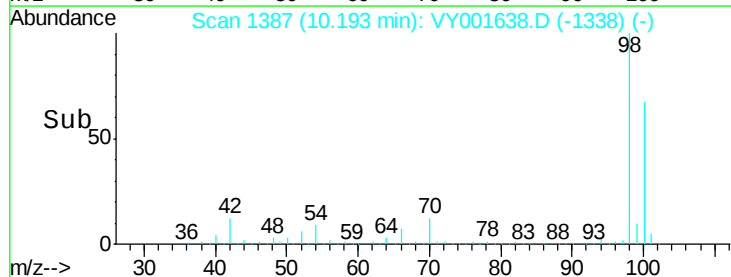
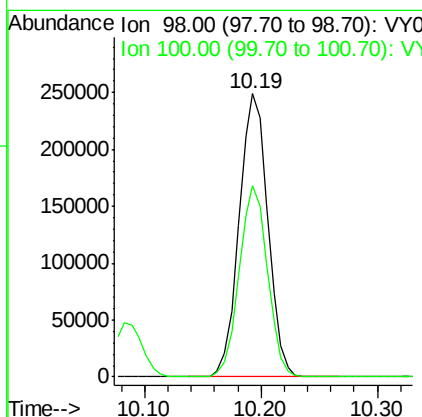
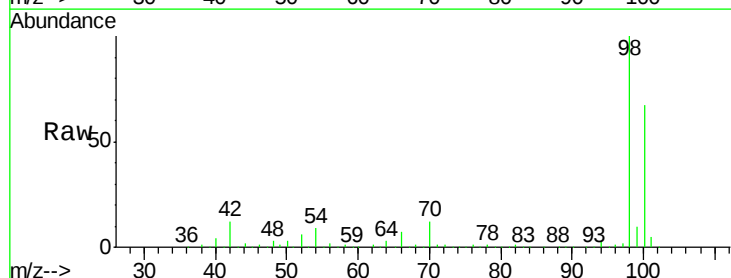
Manual Integrations
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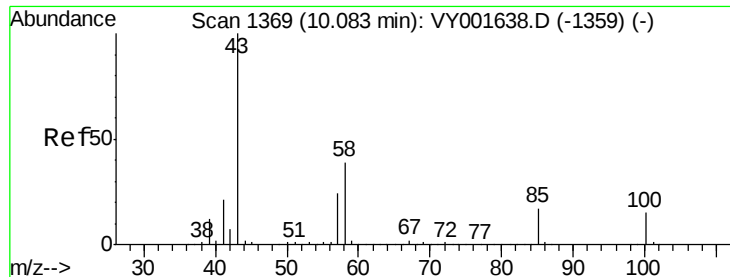
MMDadoda
2/19/2020 10:49:59 AM



#50
Toluene-d8
Concen: 52.295 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Tgt Ion	98	Resp	427582
Ion Ratio	Lower	Upper	
98	100		
100	66.5	53.2	79.8





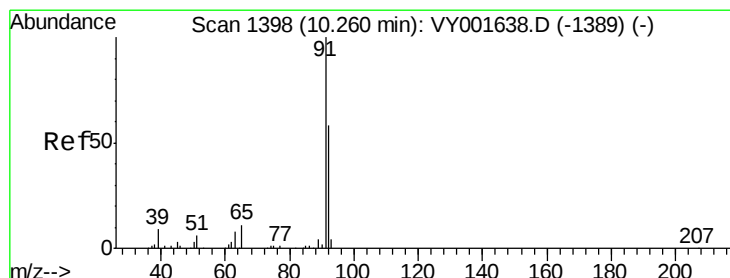
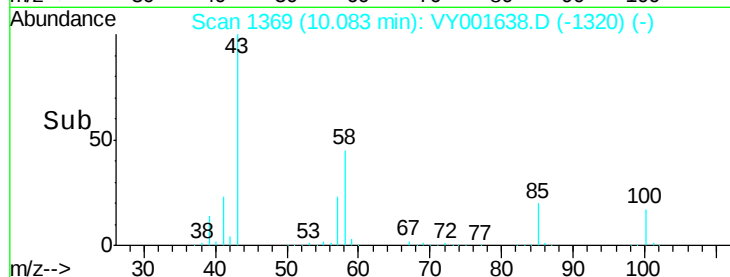
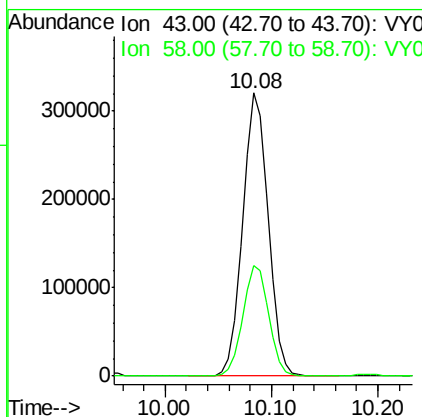
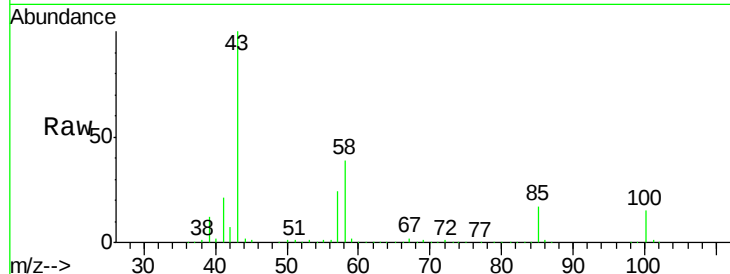
#51
4-Methyl-2-Pentanone
Concen: 314.813 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.4	47.2

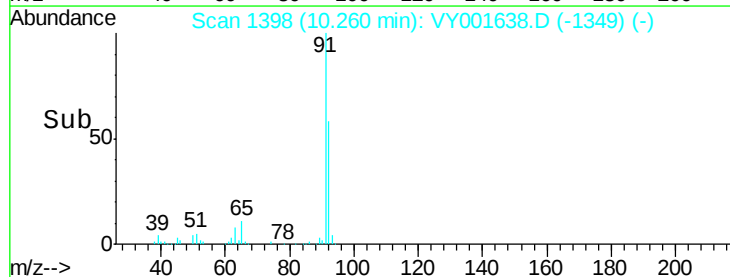
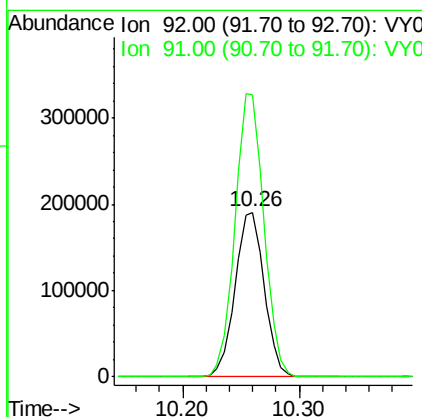
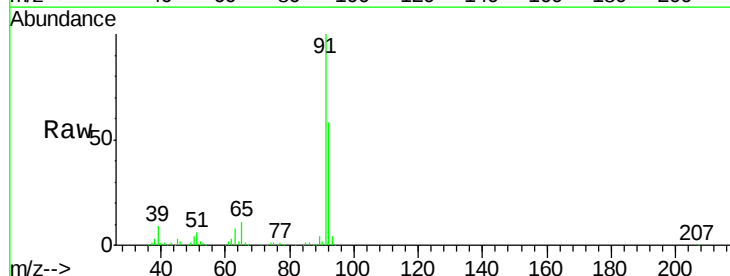
Manual Integrations
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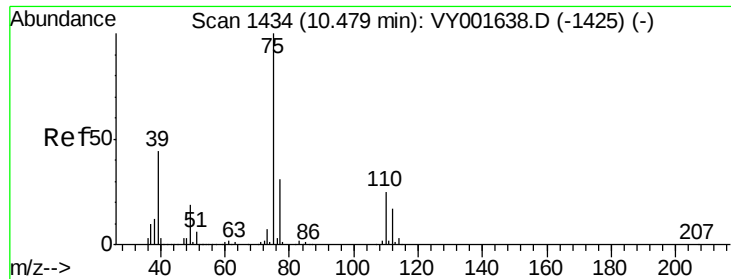
MMDadoda
2/19/2020 10:49:59 AM



#52
Toluene
Concen: 53.072 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.7	136.6	204.8





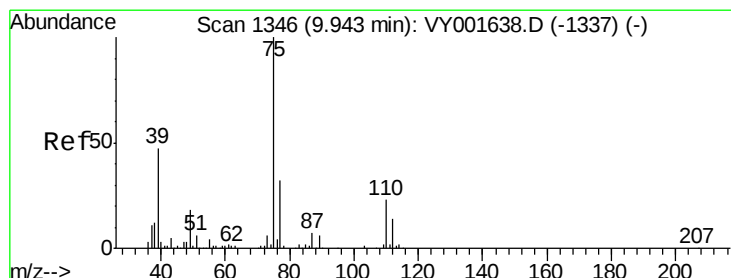
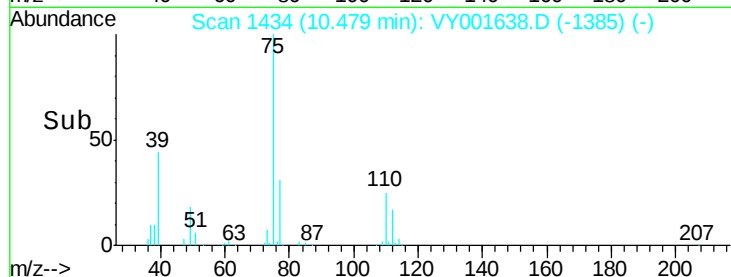
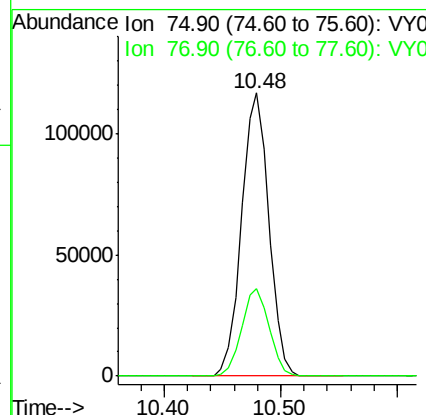
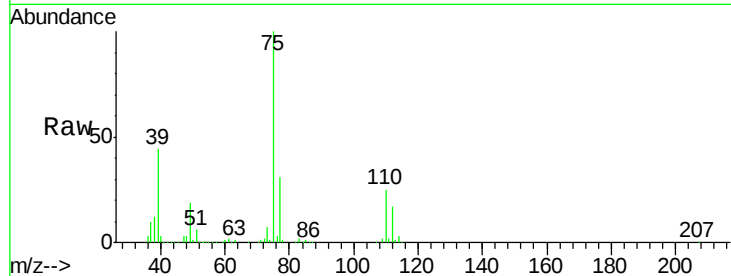
#53
t-1,3-Dichloropropene
Concen: 53.670 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.6	37.0

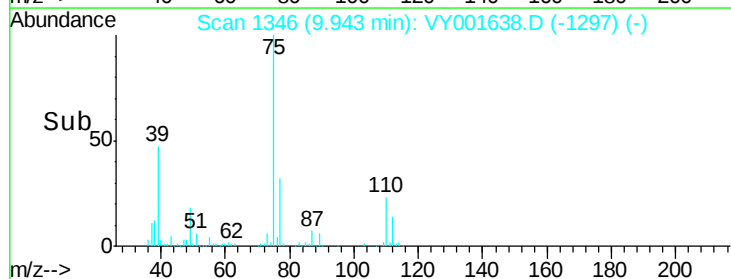
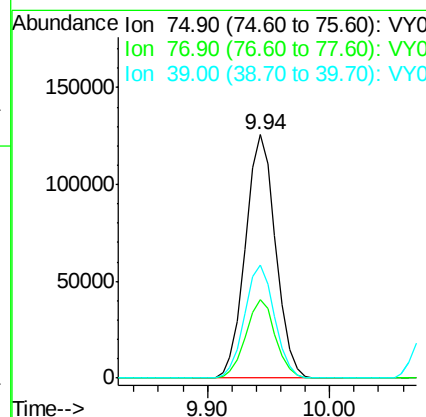
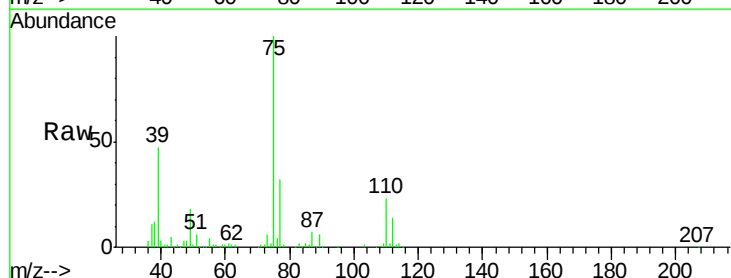
Manual Integrations
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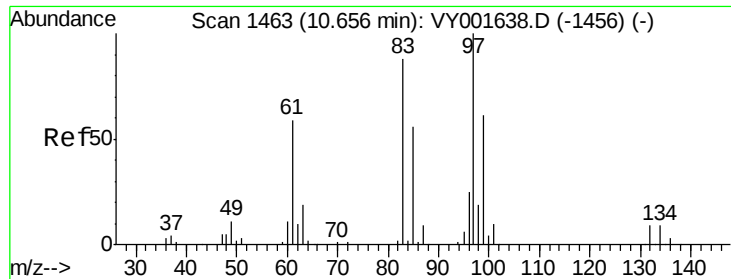
MMDadoda
2/19/2020 10:49:59 AM



#54
cis-1,3-Dichloropropene
Concen: 52.778 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.9	38.9
39	46.6	37.3	55.9





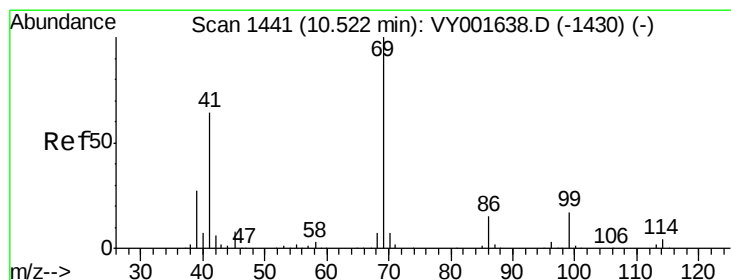
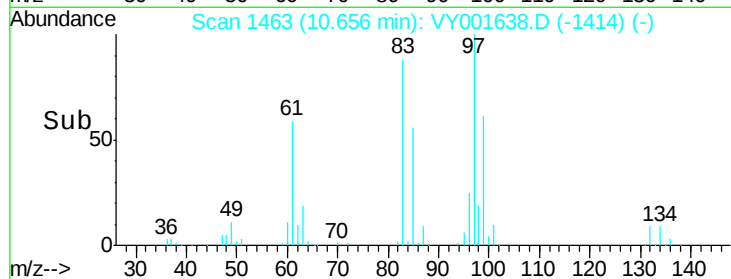
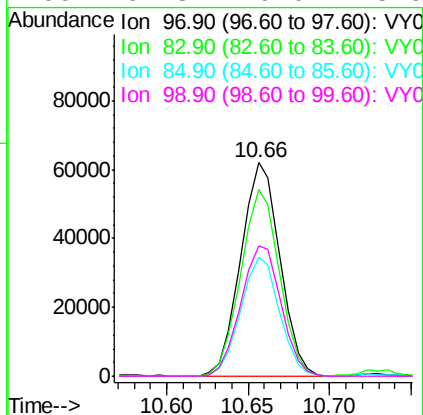
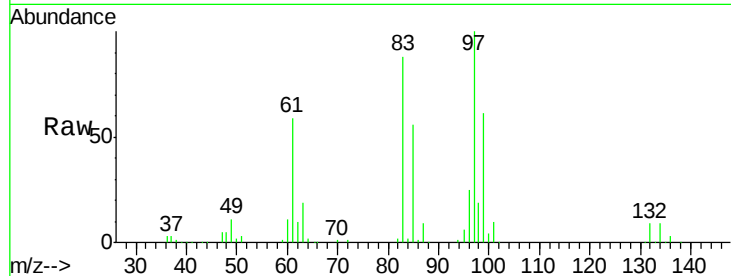
#55
 1,1,2-Trichloroethane
 Concen: 53.665 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001638.D
 Acq: 17 Feb 2020 11:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	103523		
83	87.9	70.3	105.5	
85	55.7	44.6	66.8	
99	61.3	49.0	73.6	

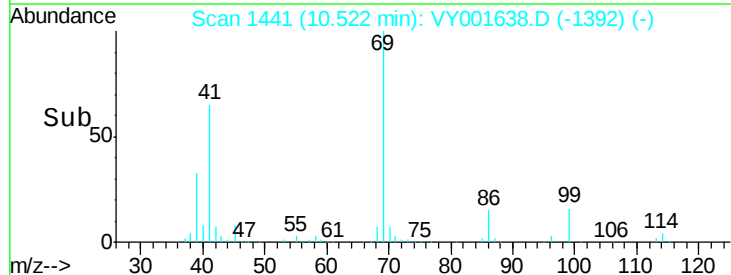
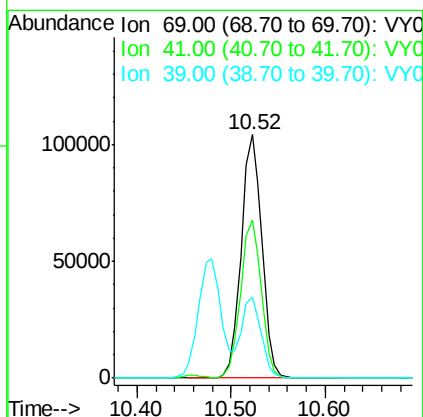
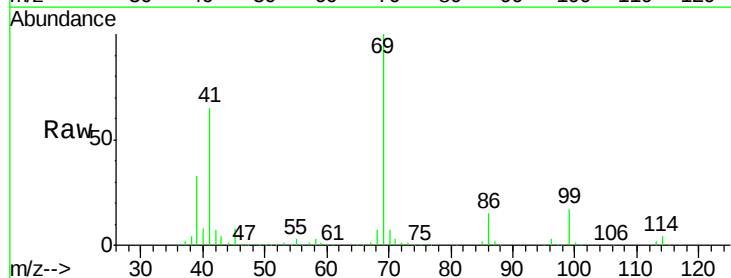
Manual Integrations
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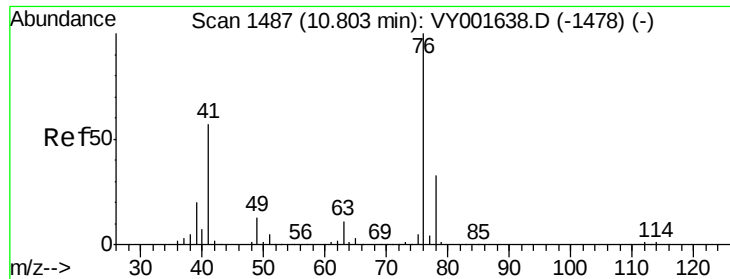
MMDadoda
 2/19/2020 10:49:59 AM



#56
 Ethyl methacrylate
 Concen: 57.252 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY001638.D
 Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	159231		
41	64.9	51.9	77.9	
39	33.6	26.9	40.3	





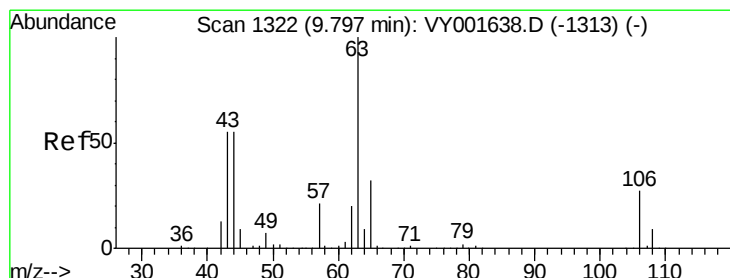
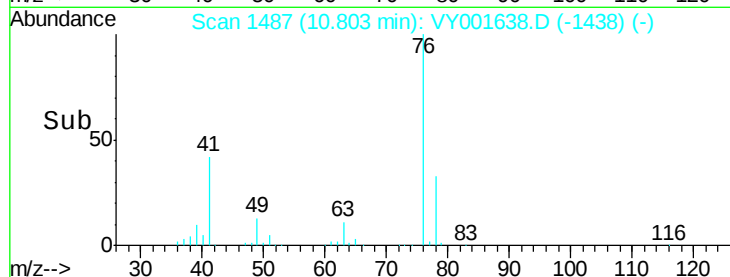
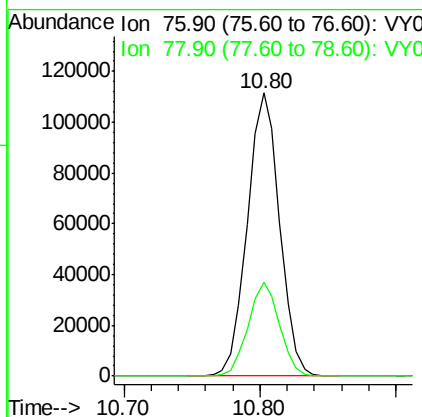
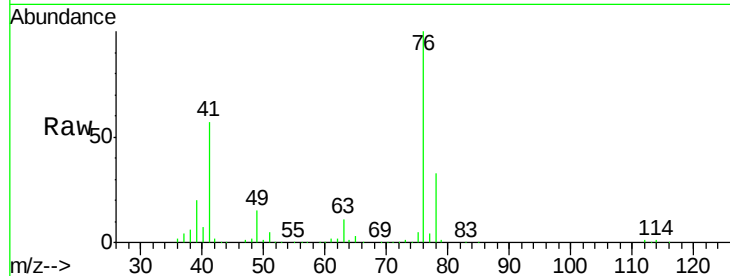
#57
 1,3-Dichloropropane
 Concen: 54.263 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY001638.D
 Acq: 17 Feb 2020 11:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 185134
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

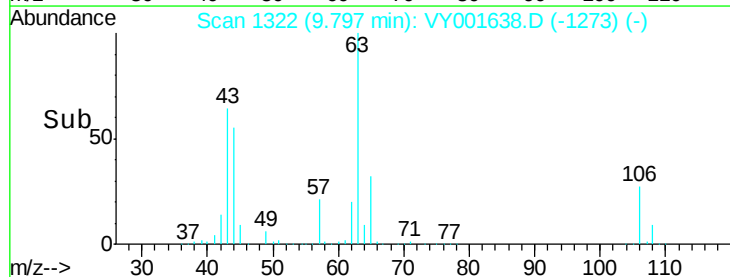
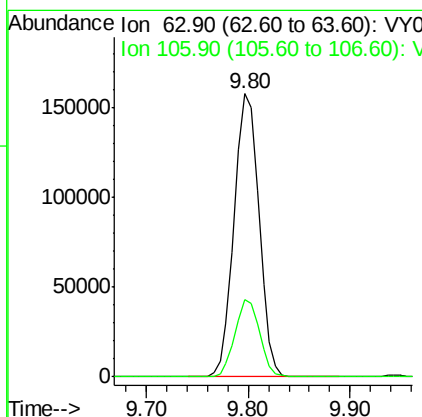
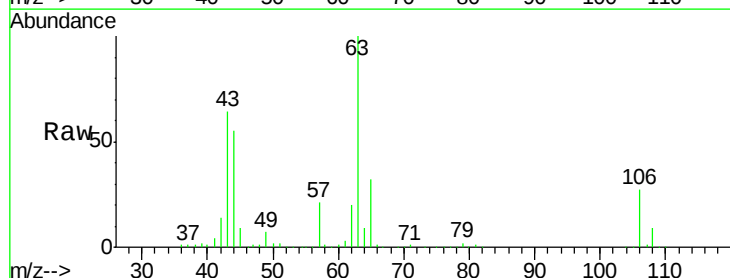
Manual Integrations
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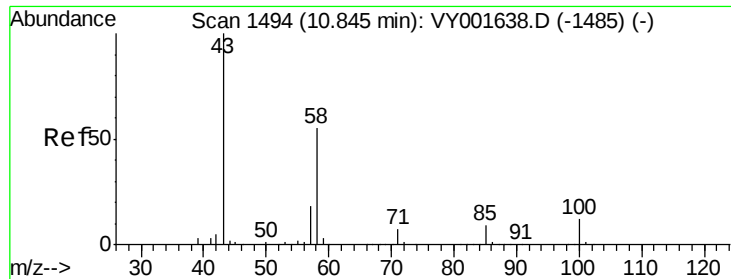
MMDadoda
 2/19/2020 10:49:59 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.868 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001638.D
 Acq: 17 Feb 2020 11:07

Tgt Ion: 63 Resp: 266383
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.5 32.3





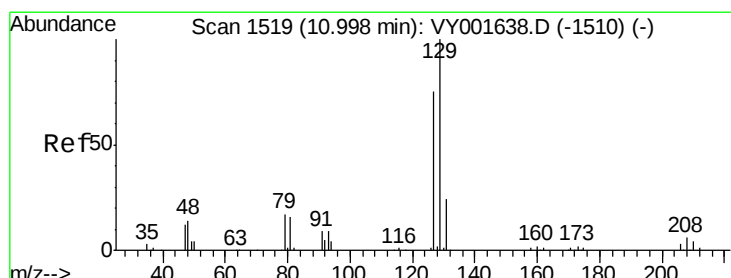
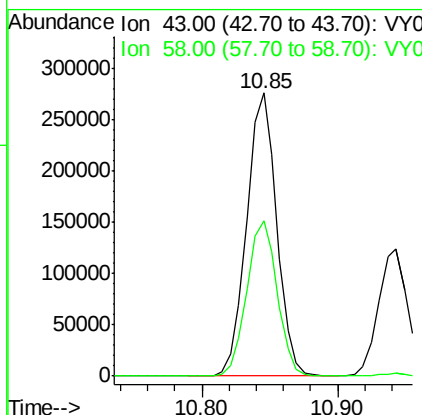
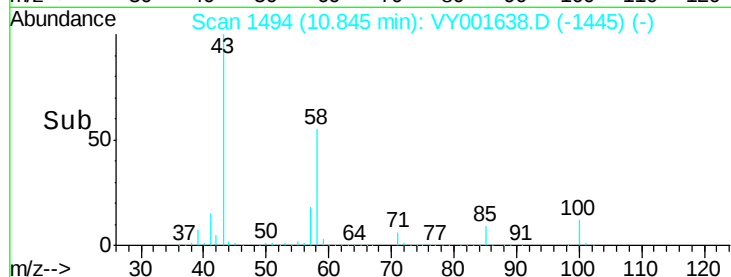
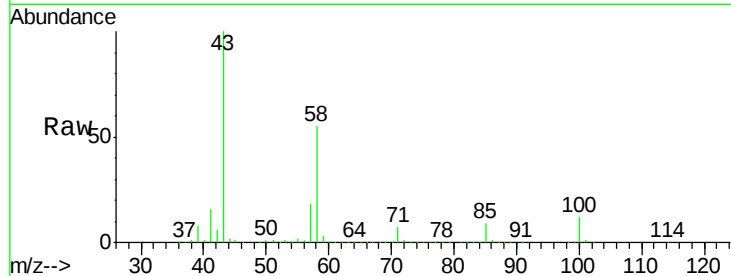
#59
2-Hexanone
Concen: 337.730 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 428244
Ion Ratio Lower Upper
43 100
58 55.5 27.8 83.3

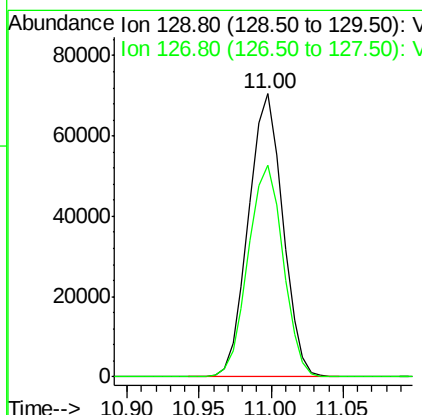
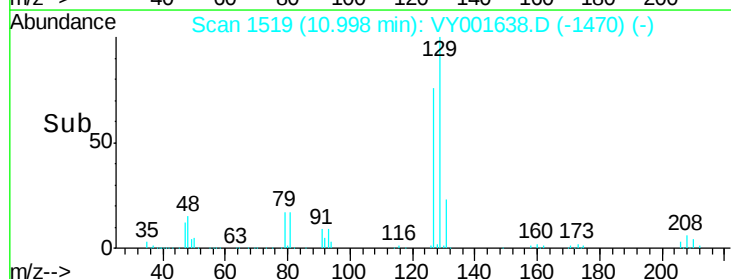
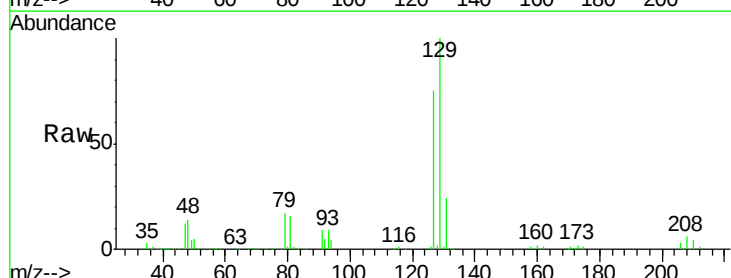
Manual Integrations
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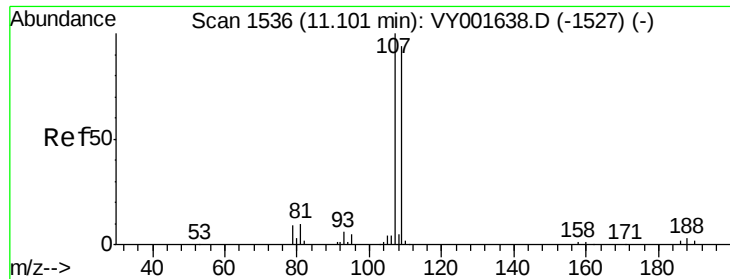
MMDadoda
2/19/2020 10:49:59 AM



#60
Dibromochloromethane
Concen: 51.725 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Tgt Ion: 129 Resp: 116312
Ion Ratio Lower Upper
129 100
127 76.3 38.1 114.5





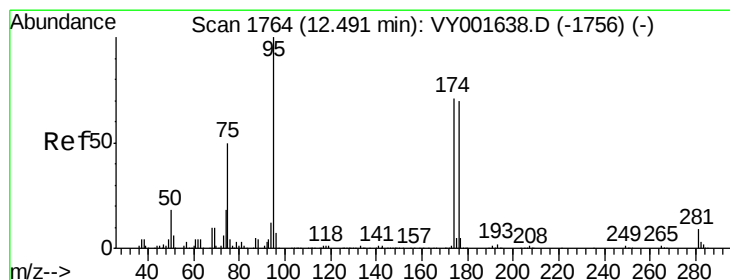
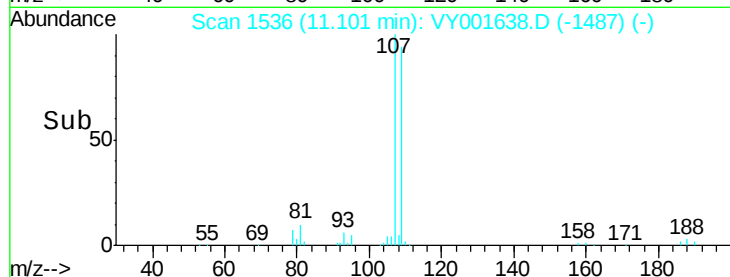
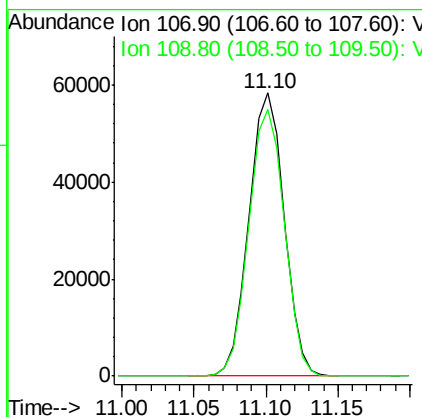
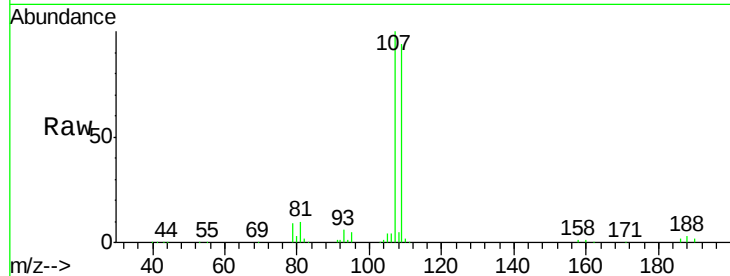
#61
 1,2-Dibromoethane
 Concen: 52.254 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY001638.D
 Acq: 17 Feb 2020 11:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.0	114.0

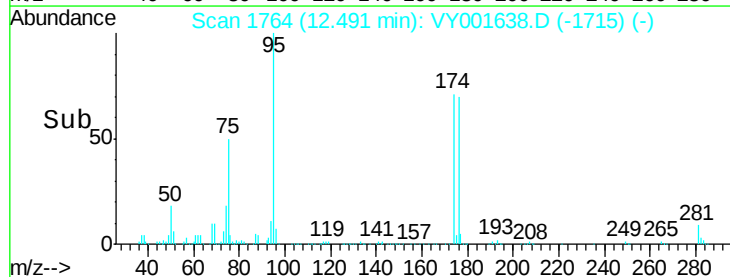
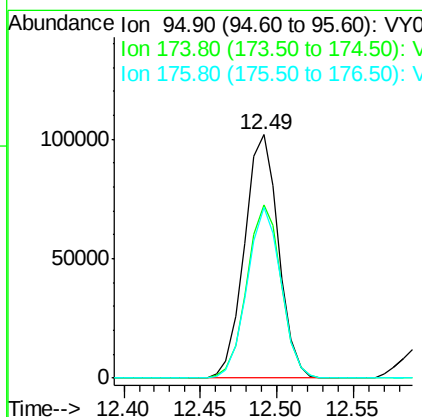
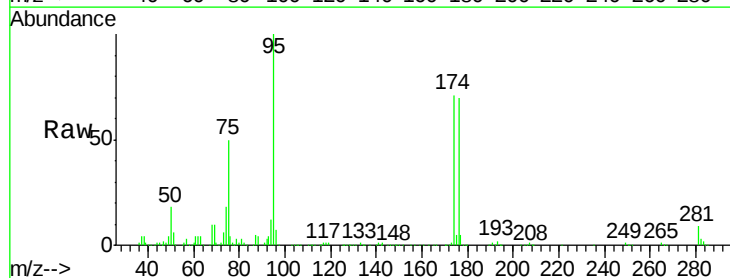
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#62
 4-Bromofluorobenzene
 Concen: 48.682 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY001638.D
 Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	144.4
176	70.1	0.0	140.2





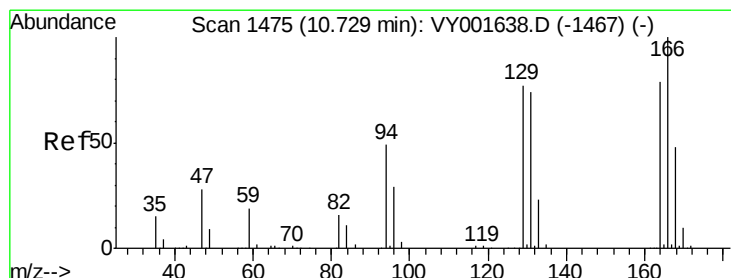
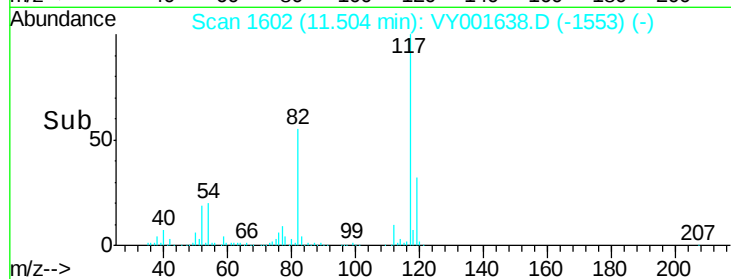
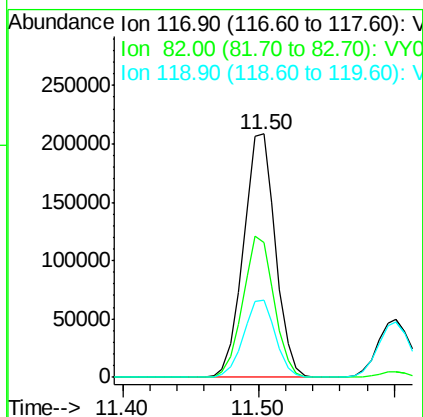
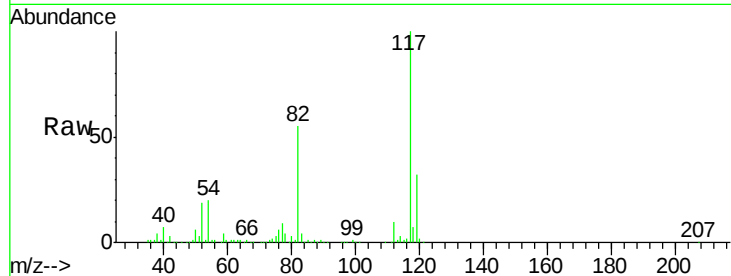
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	341946		
82	55.4	44.3	66.5	
119	31.6	25.3	37.9	

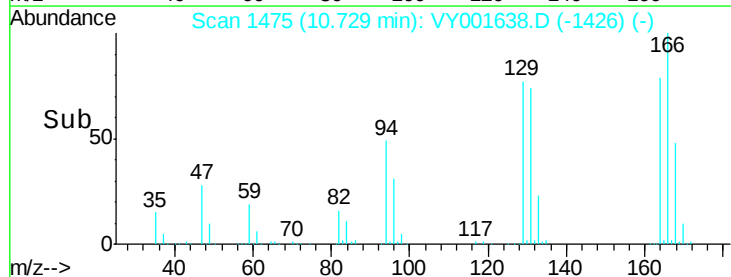
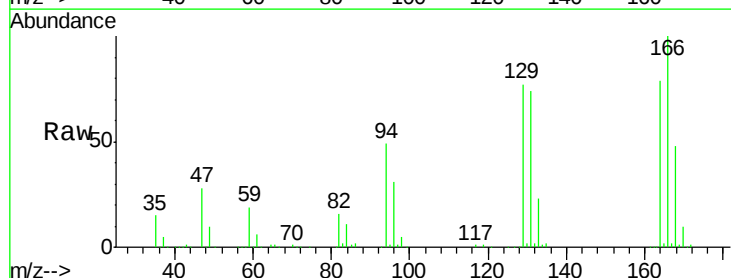
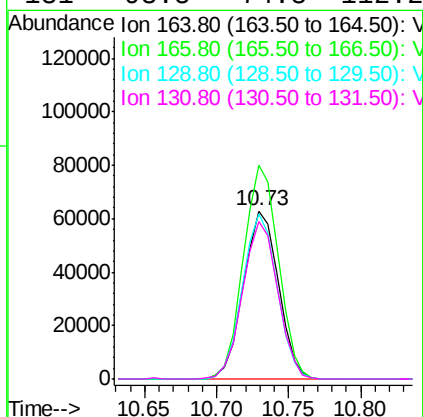
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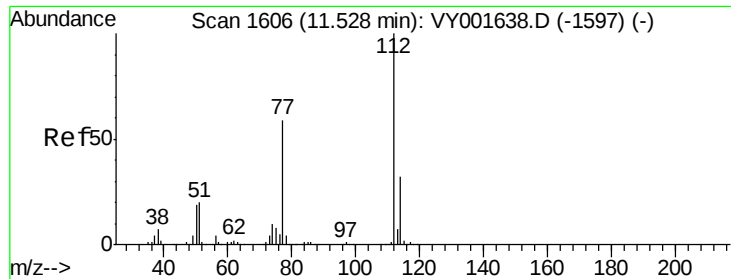
MMDadoda
2/19/2020 10:49:59 AM



#64
Tetrachloroethene
Concen: 47.690 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	105638		
166	127.1	101.7	152.5	
129	98.3	78.6	118.0	
131	93.5	74.8	112.2	





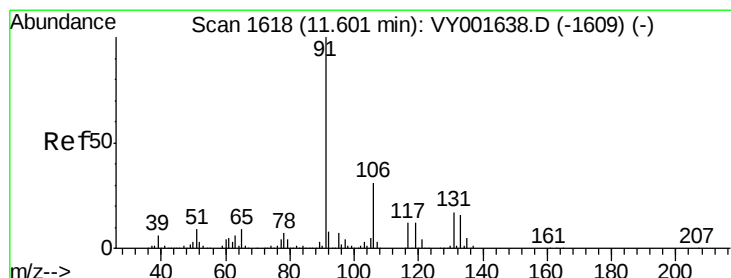
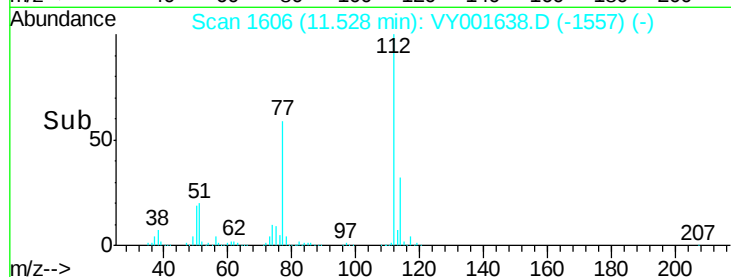
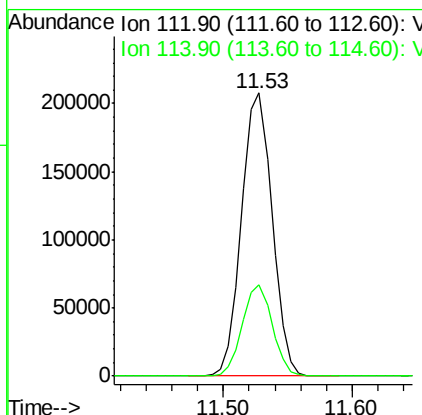
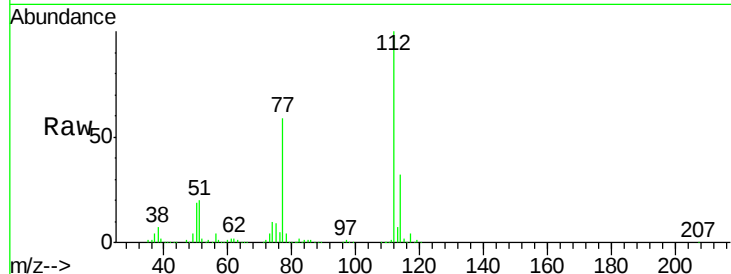
#65
Chlorobenzene
Concen: 50.892 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 341124
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5

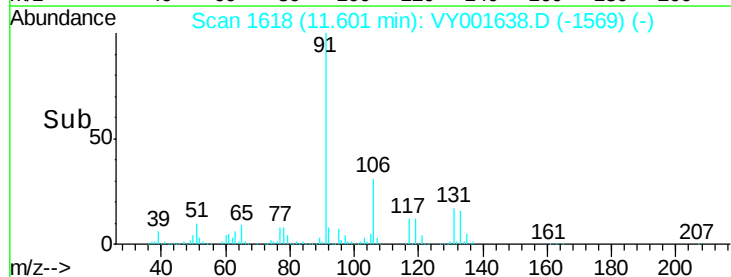
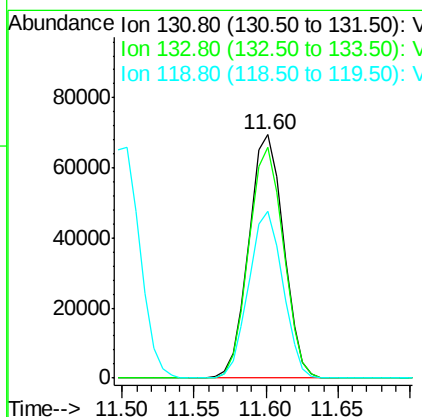
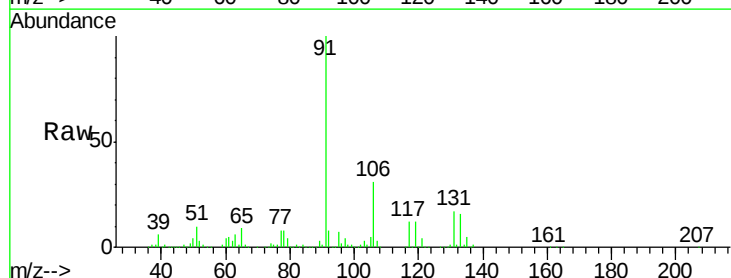
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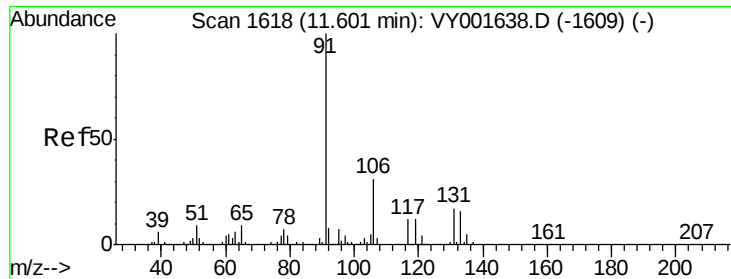
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.560 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Tgt Ion:131 Resp: 115836
Ion Ratio Lower Upper
131 100
133 94.8 47.4 142.2
119 67.8 33.9 101.7





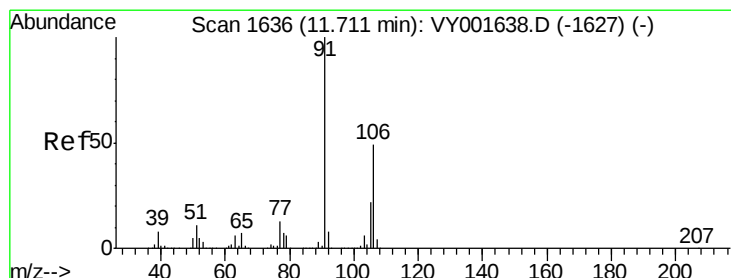
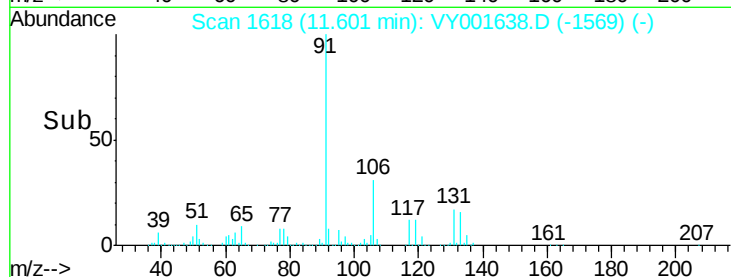
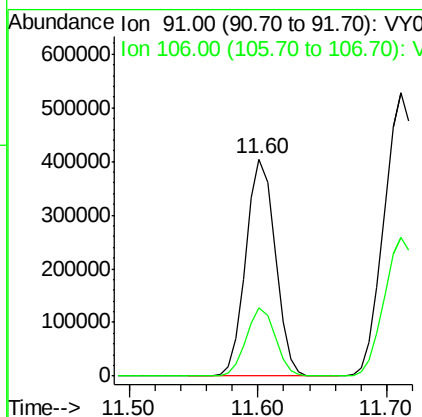
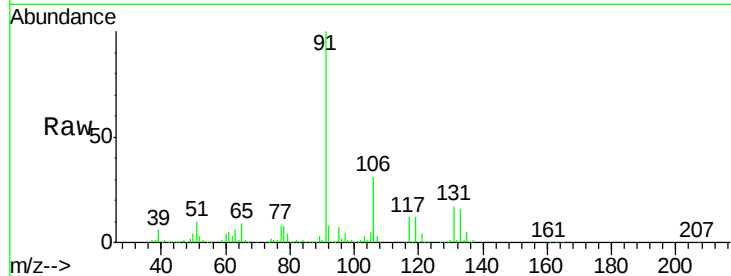
#67
Ethyl Benzene
Concen: 51.247 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 636684
Ion Ratio Lower Upper
91 100
106 31.4 25.1 37.7

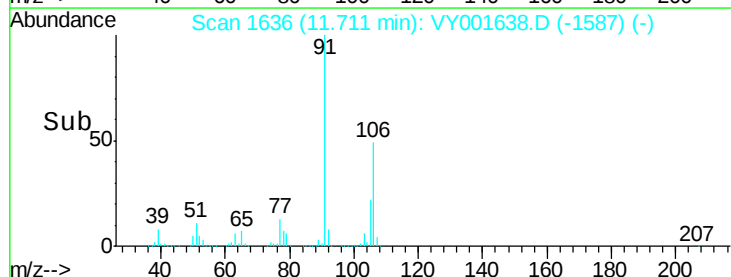
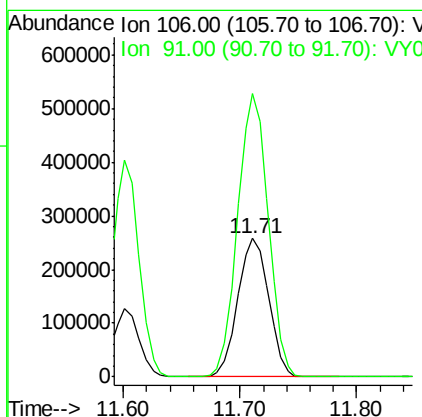
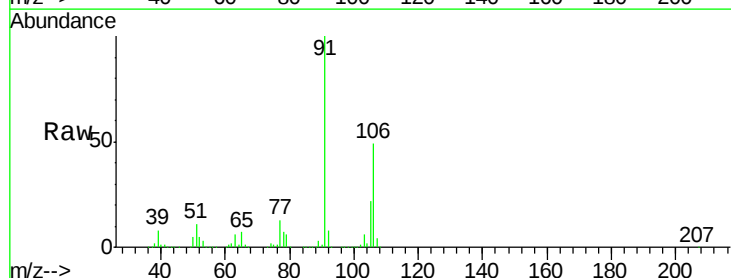
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#68
m/p-Xylenes
Concen: 102.450 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Tgt Ion: 106 Resp: 478079
Ion Ratio Lower Upper
106 100
91 202.1 161.7 242.5





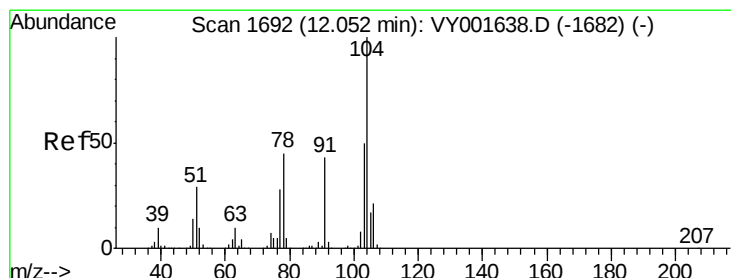
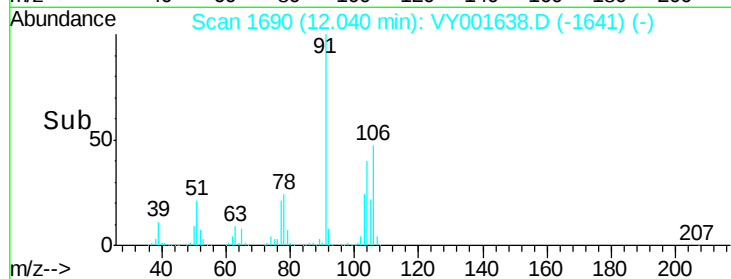
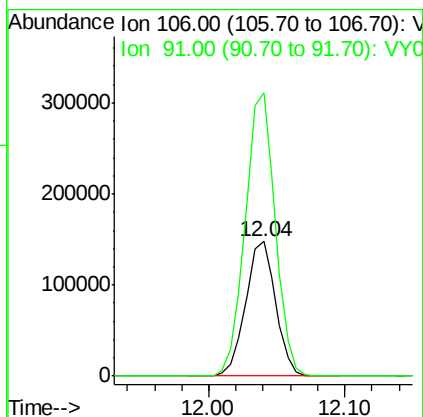
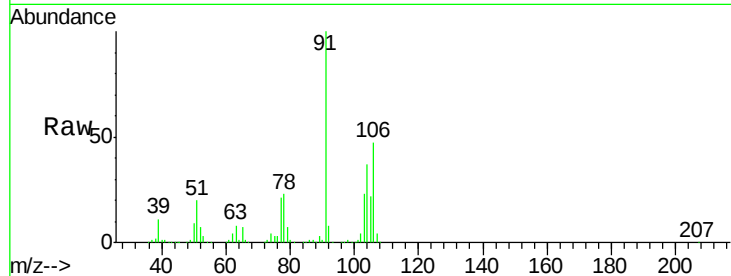
#69
o-Xylene
Concen: 51.997 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		228976		
91	210.2	105.1	315.3		

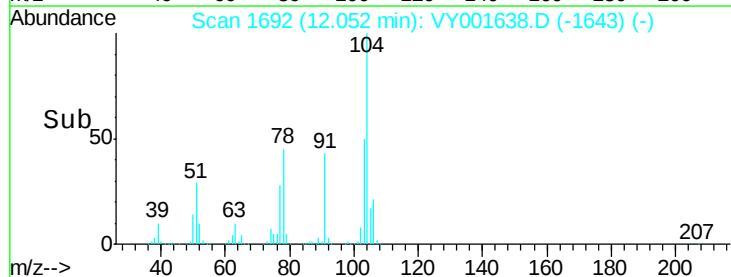
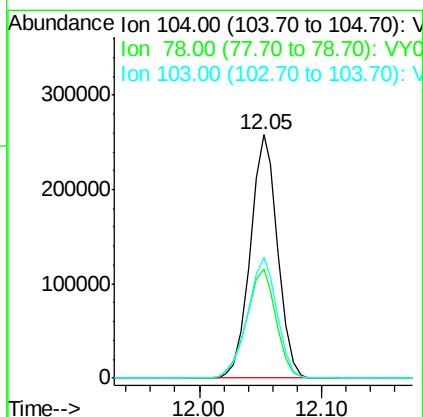
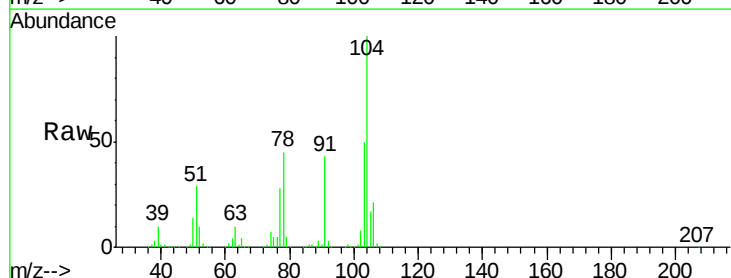
Manual Integrations
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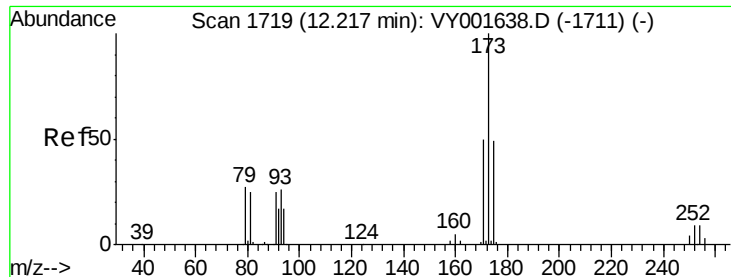
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#70
Styrene
Concen: 52.319 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		399421		
78	48.7	39.0	58.4		
103	53.5	42.8	64.2		





#71

Bromoform

Concen: 52.824 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. 0.00 min

Lab File: VY001638.D

Acq: 17 Feb 2020 11:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 69578

Ion Ratio Lower Upper

173 100

175 47.6 23.8 71.4

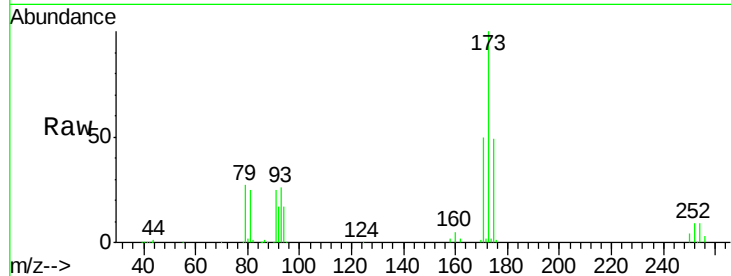
254 0.0 0.0 0.0#

Manual Integrations

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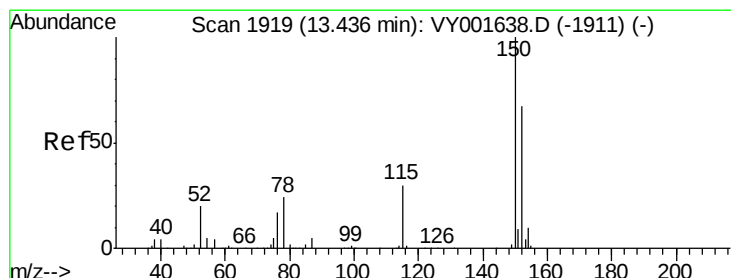
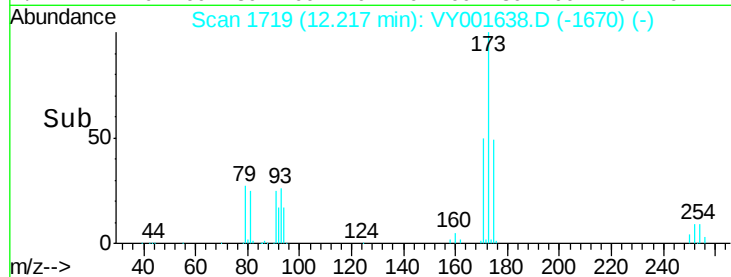
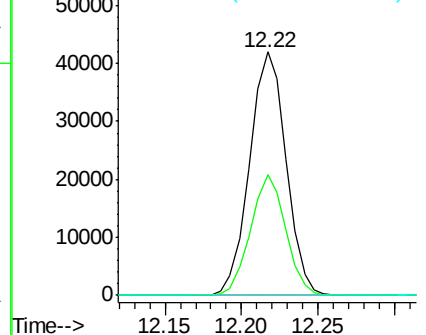
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001638.D

Acq: 17 Feb 2020 11:07

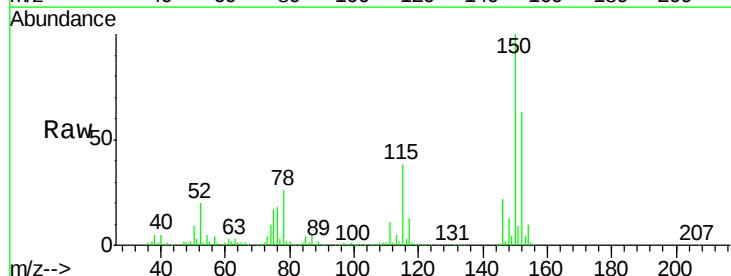
Tgt Ion:152 Resp: 162223

Ion Ratio Lower Upper

152 100

115 61.9 30.9 92.8

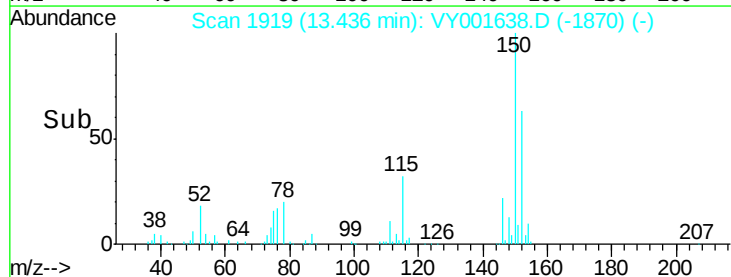
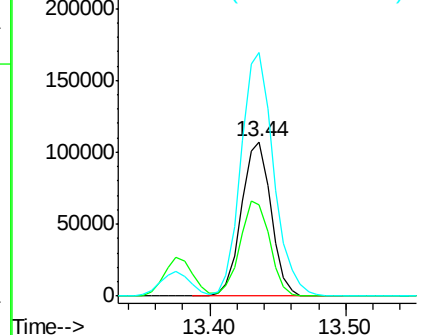
150 175.0 0.0 350.0

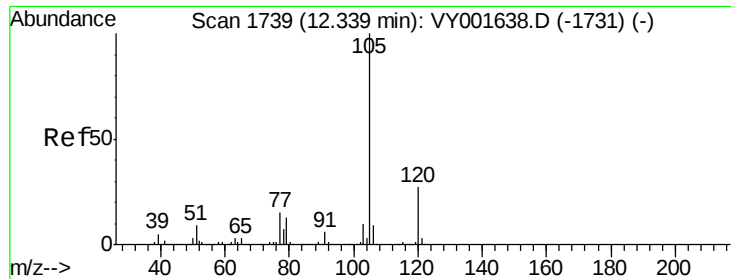


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





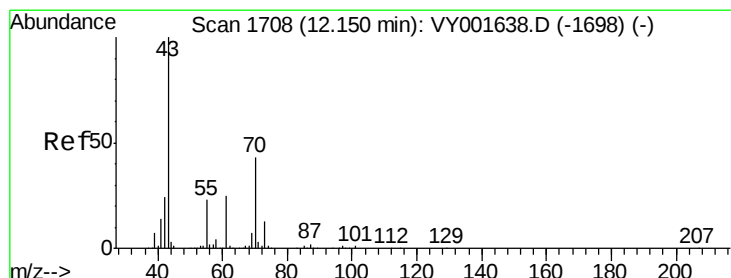
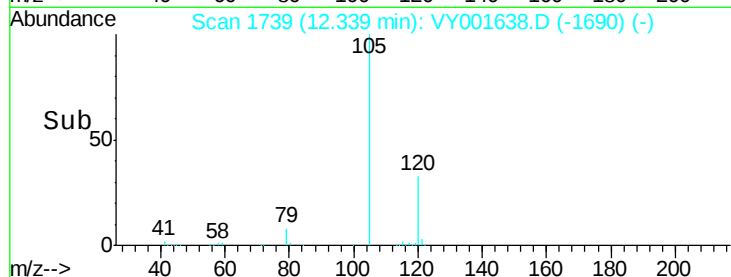
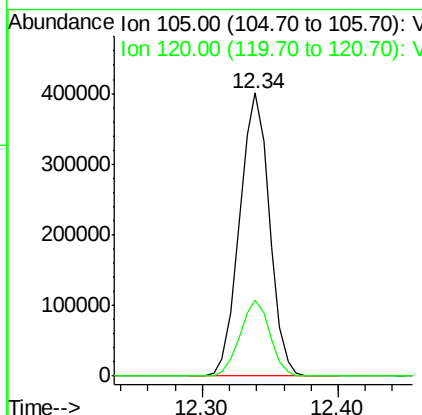
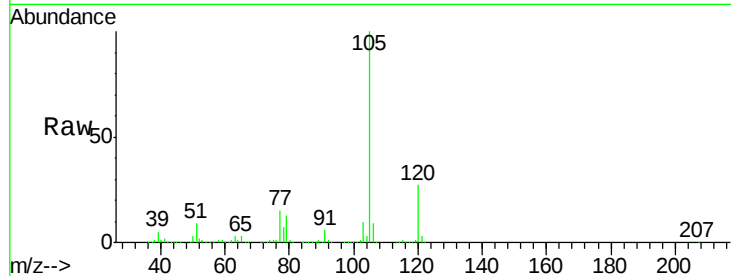
#73
Isopropylbenzene
Concen: 49.768 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	612356		
120	26.7		13.4	40.1

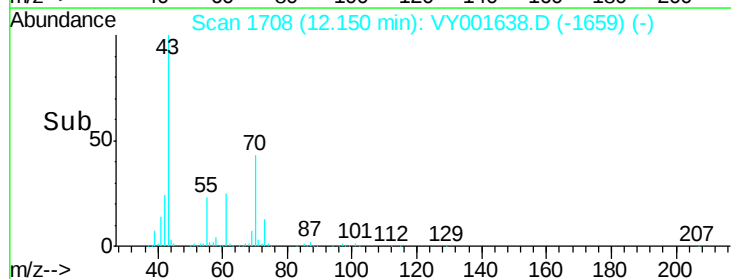
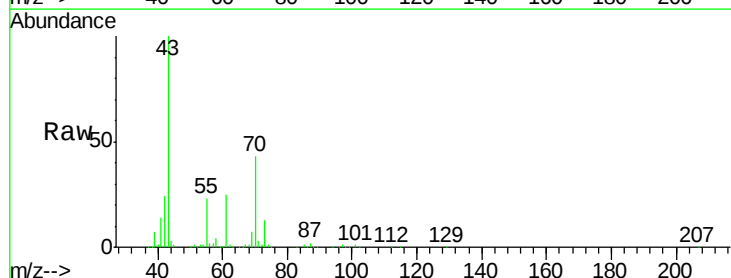
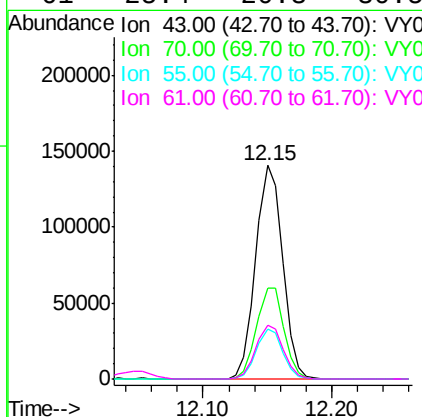
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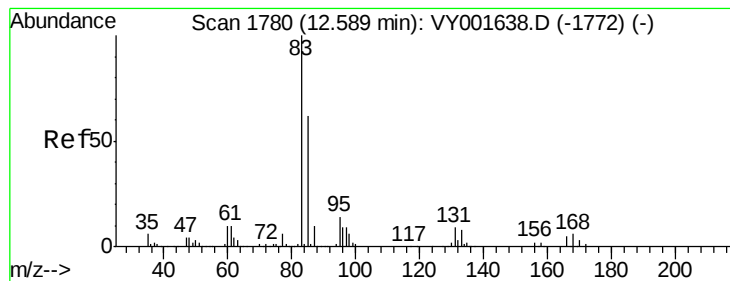
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#74
N-ethyl acetate
Concen: 60.318 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	202739		
70	43.8		35.0	52.6
55	22.9		18.3	27.5
61	25.4		20.3	30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 56.205 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001638.D

Acq: 17 Feb 2020 11:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 135827
Ion Ratio Lower Upper

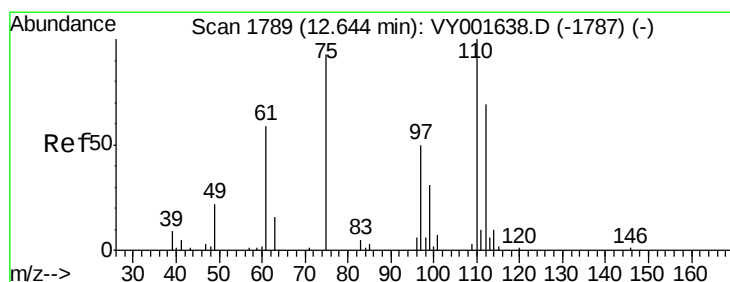
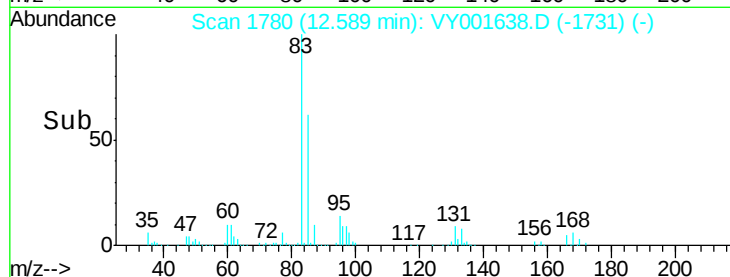
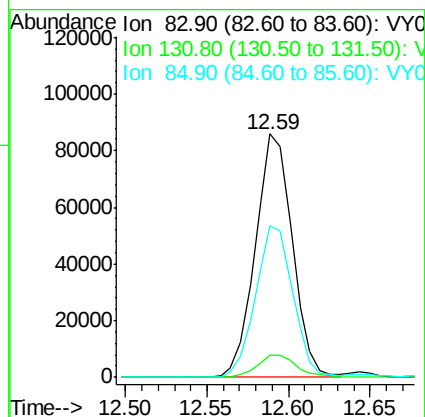
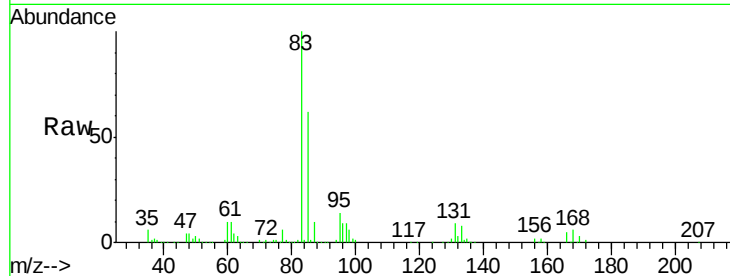
83 100

131 9.8 4.9 14.7

85 63.0 31.5 94.5

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#76

1,2,3-Trichloropropane

Concen: 48.541 ug/l m

RT: 12.64 min Scan# 1789

Delta R.T. 0.00 min

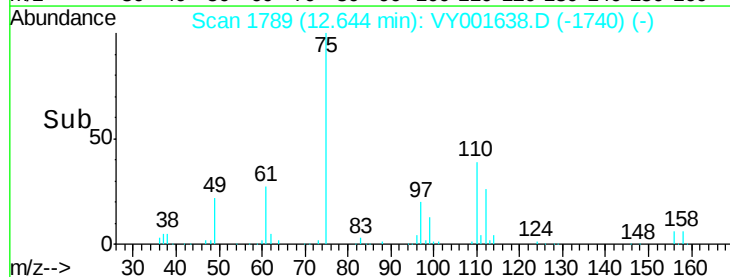
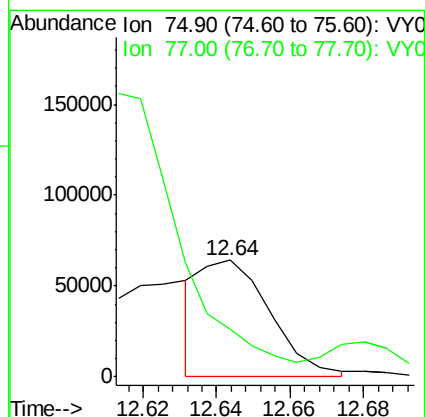
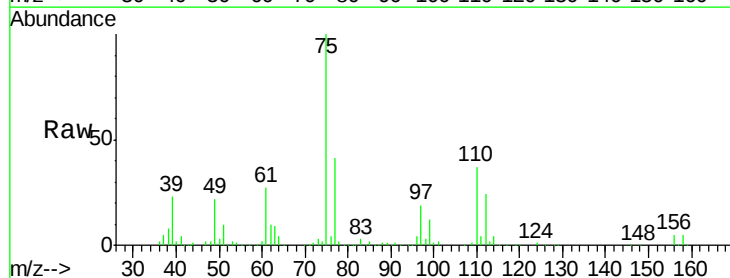
Lab File: VY001638.D

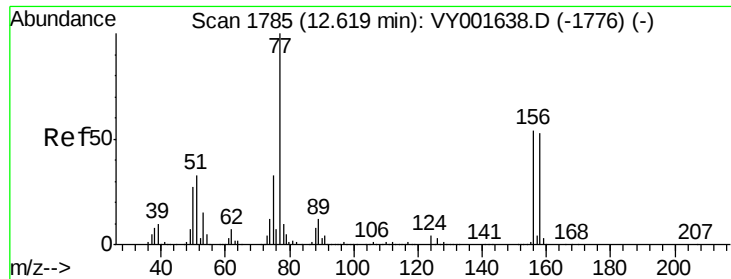
Acq: 17 Feb 2020 11:07

Tgt Ion: 75 Resp: 84407
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.794 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY001638.D

Acq: 17 Feb 2020 11:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 132570

Ion Ratio Lower Upper

156 100

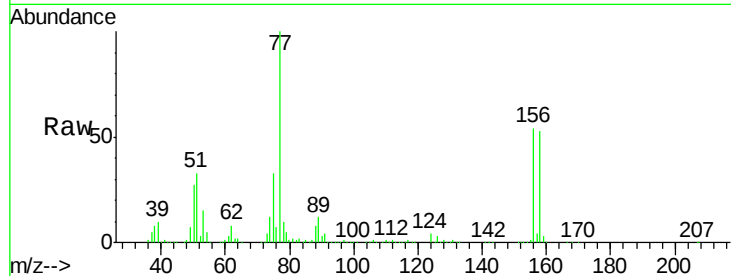
77 215.6 107.8 323.4

158 97.3 48.6 145.9

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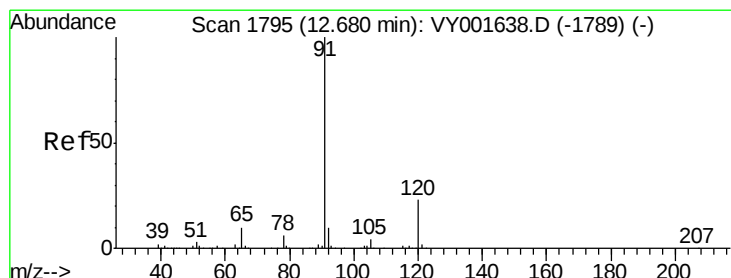
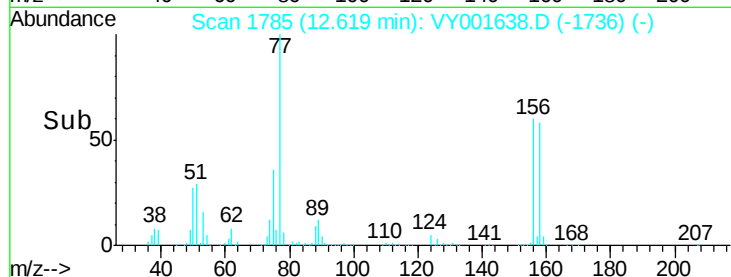
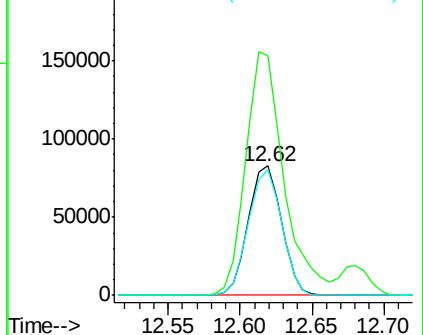
2/19/2020 10:49:59 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.085 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY001638.D

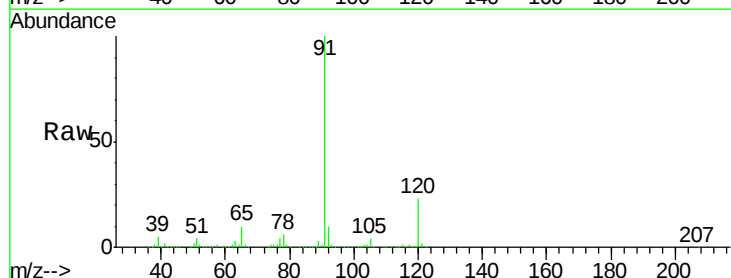
Acq: 17 Feb 2020 11:07

Tgt Ion: 91 Resp: 757073

Ion Ratio Lower Upper

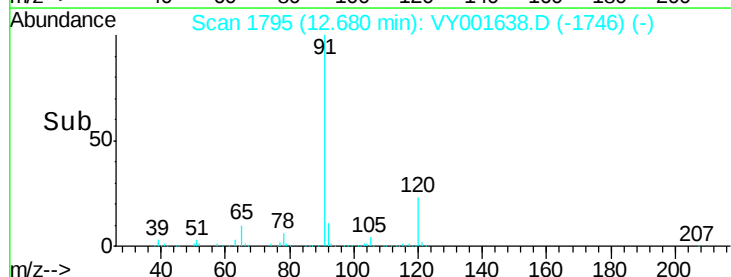
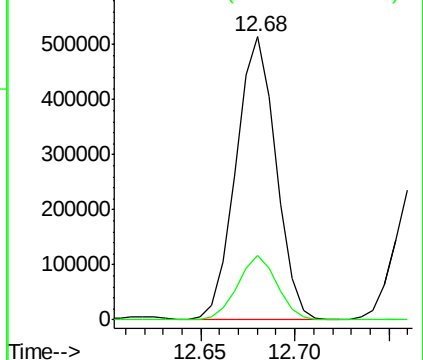
91 100

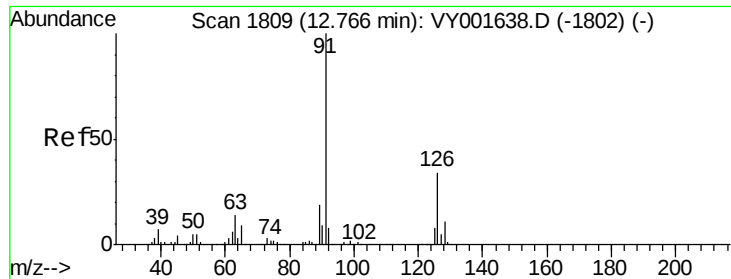
120 22.4 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.807 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY001638.D

Acq: 17 Feb 2020 11:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 418820

Ion Ratio Lower Upper

91 100

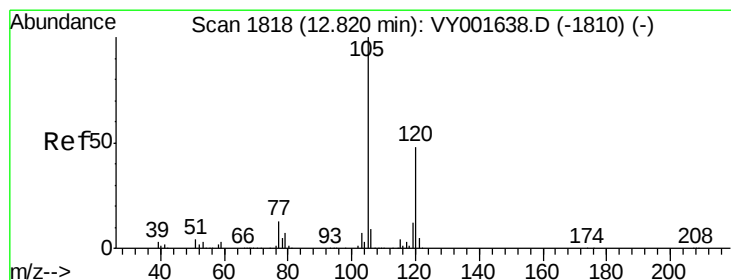
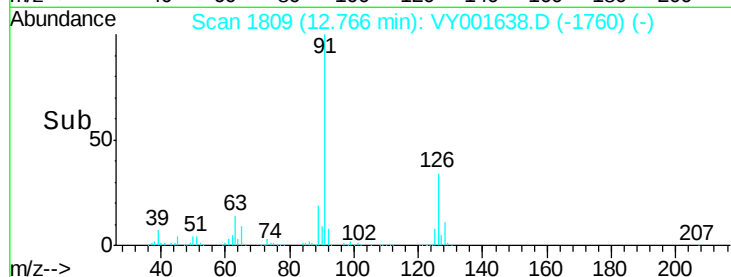
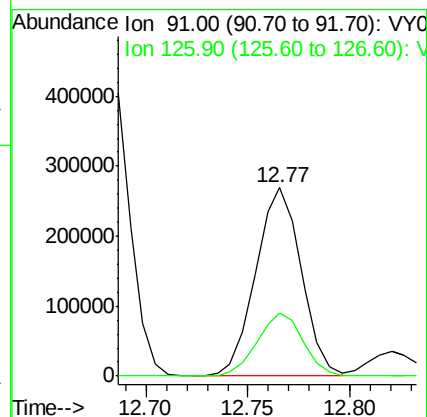
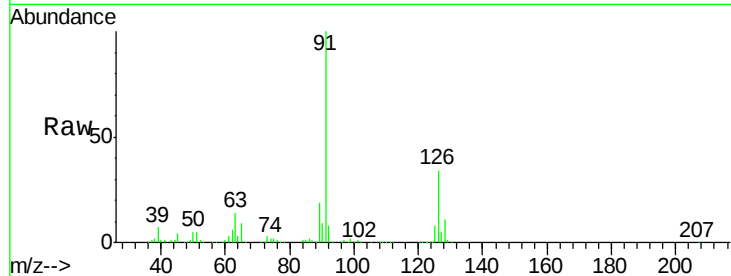
126 33.6 16.8 50.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.775 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001638.D

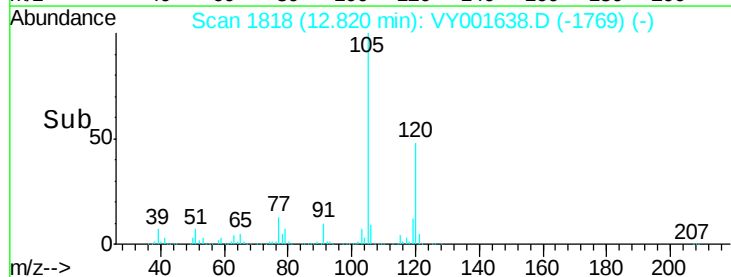
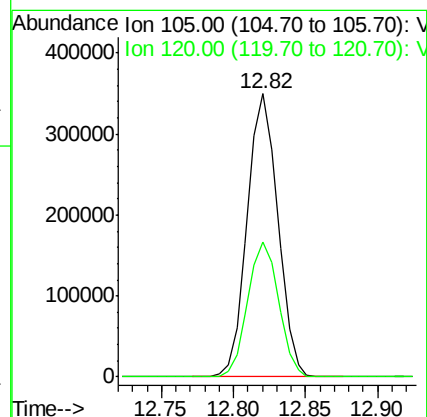
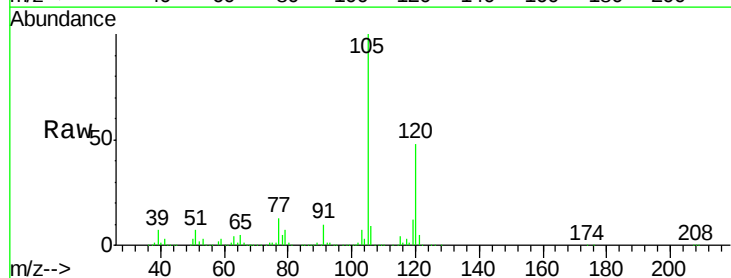
Acq: 17 Feb 2020 11:07

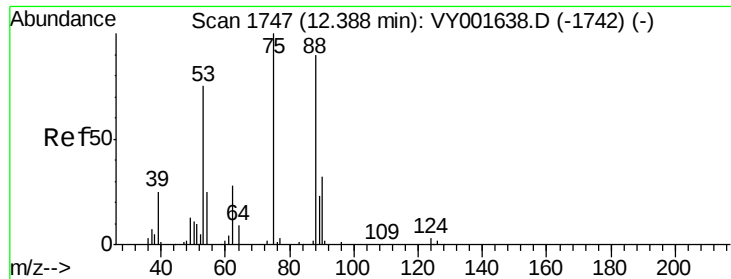
Tgt Ion: 105 Resp: 515971

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 56.806 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001638.D

Acq: 17 Feb 2020 11:07

Instrument :

MSVOA_Y

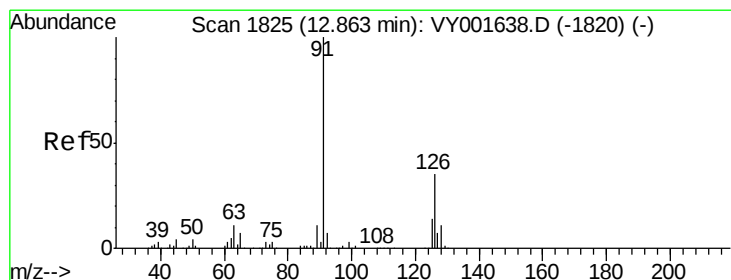
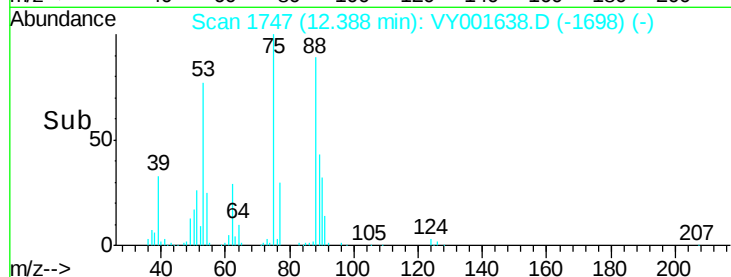
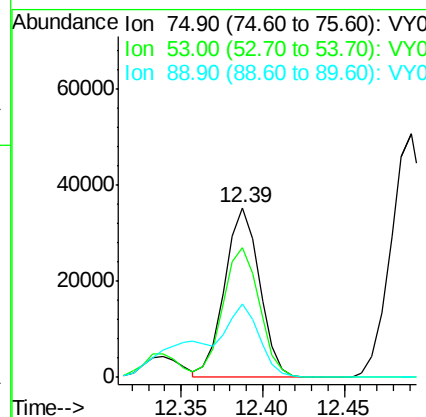
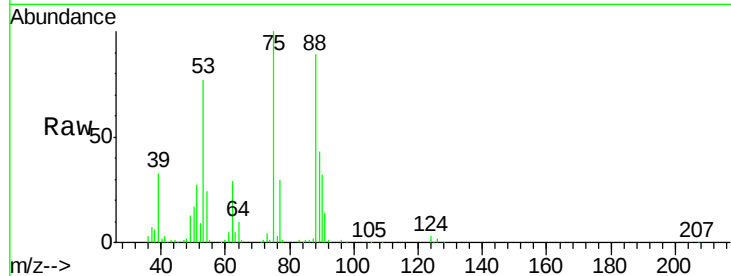
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	52746
Ion	Ratio	Lower	Upper
75	100		
53	79.2	63.4	95.0
89	41.2	33.0	49.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.078 ug/l

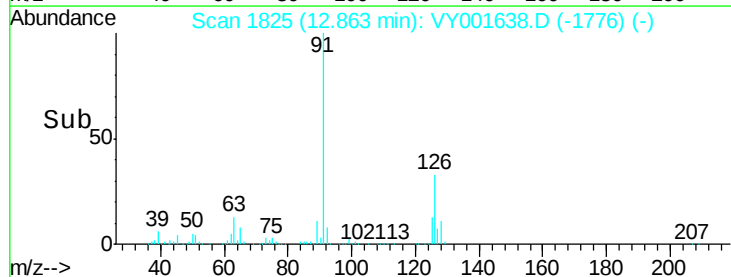
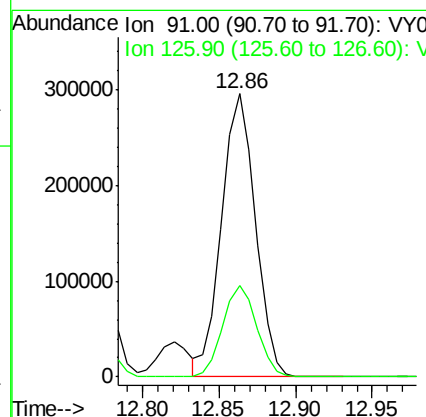
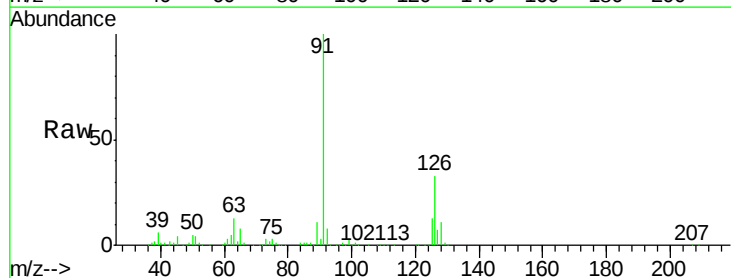
RT: 12.86 min Scan# 1825

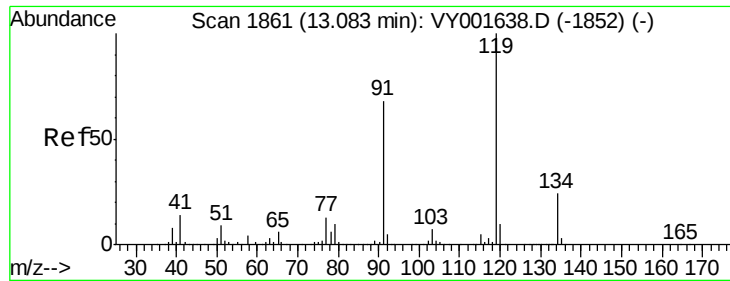
Delta R.T. 0.00 min

Lab File: VY001638.D

Acq: 17 Feb 2020 11:07

Tgt Ion:	91	Resp:	452821
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.3	48.8





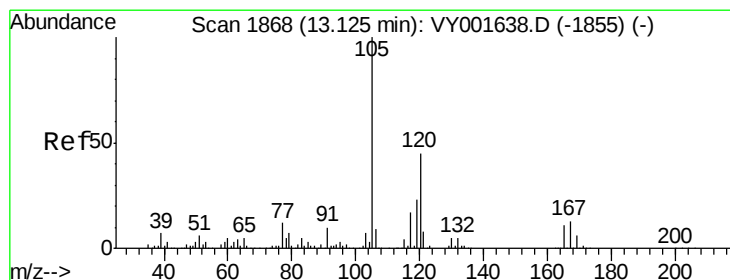
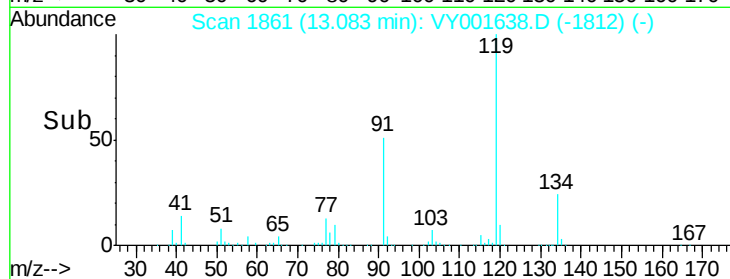
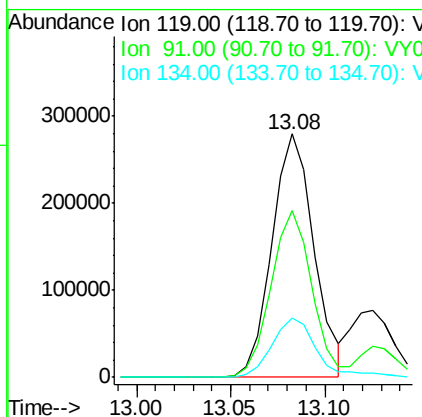
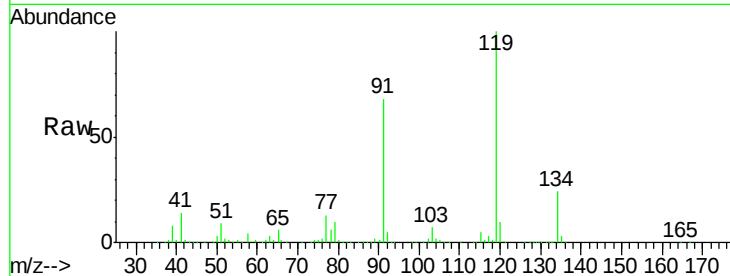
#83
tert-Butylbenzene
Concen: 49.481 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.3	33.1	99.5
134	26.0	13.0	39.0

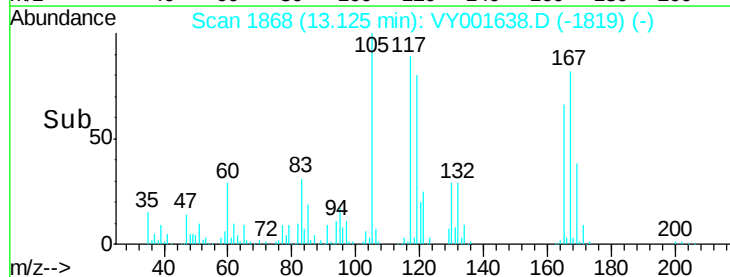
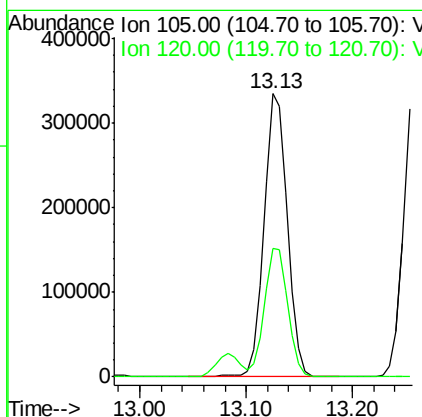
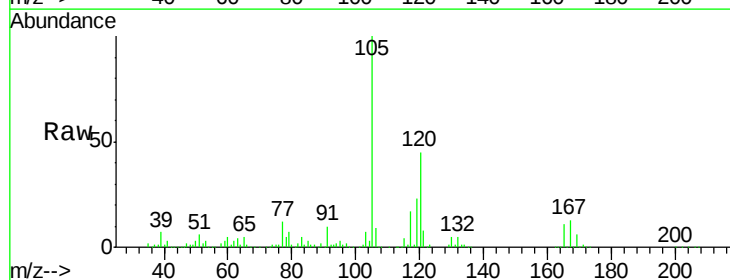
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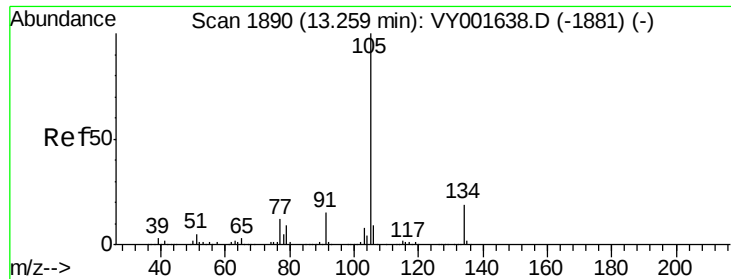
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#84
1,2,4-Trimethylbenzene
Concen: 49.926 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.8	68.4





#85

sec-Butylbenzene

Concen: 51.203 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY001638.D

Acq: 17 Feb 2020 11:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 633084

Ion Ratio Lower Upper

105 100

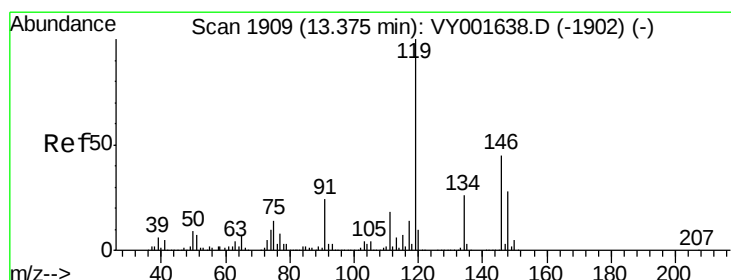
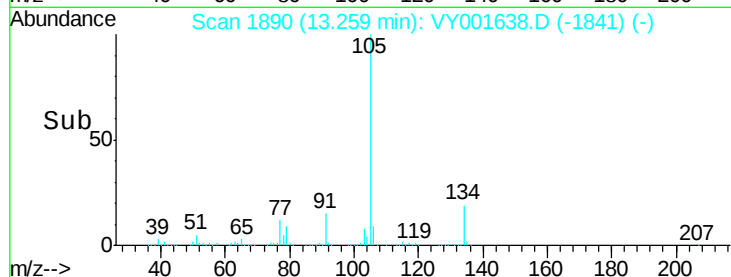
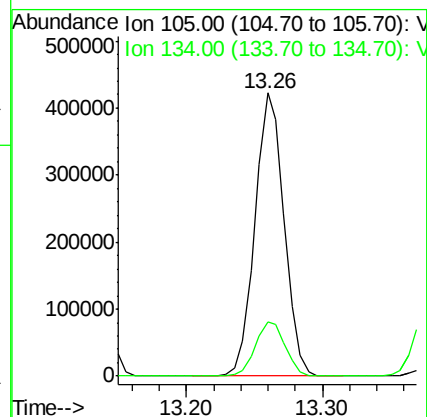
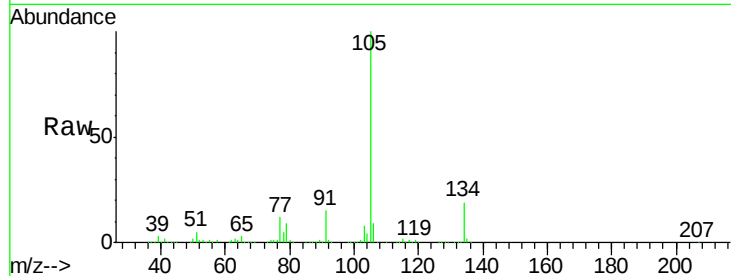
134 19.7 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 50.727 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001638.D

Acq: 17 Feb 2020 11:07

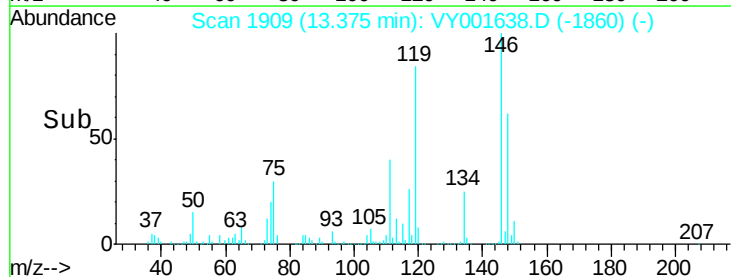
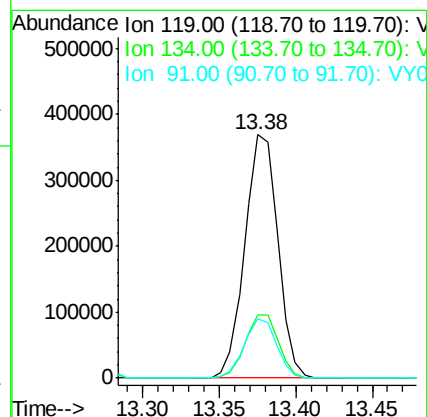
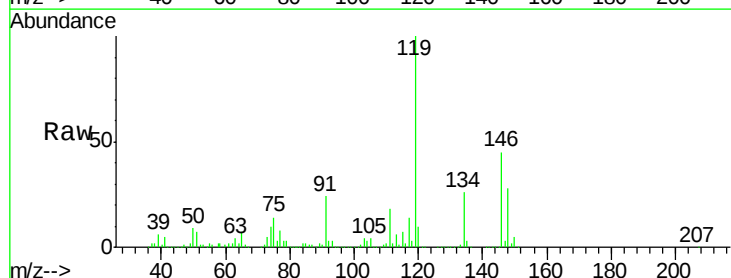
Tgt Ion:119 Resp: 552333

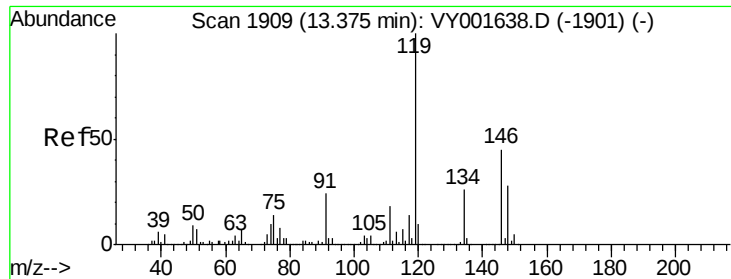
Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.6

91 23.8 11.9 35.7





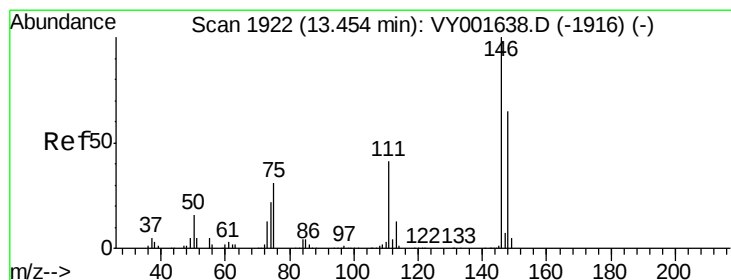
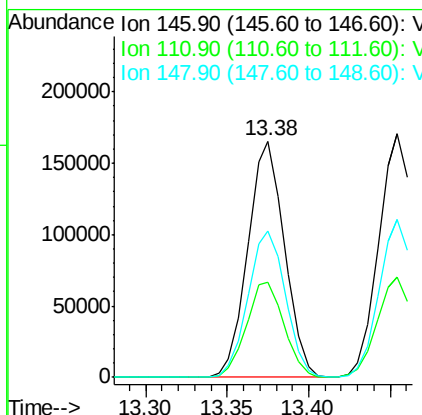
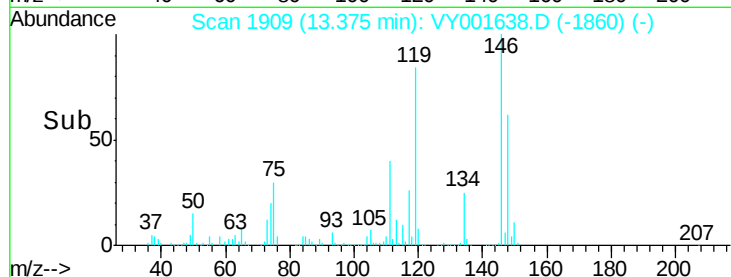
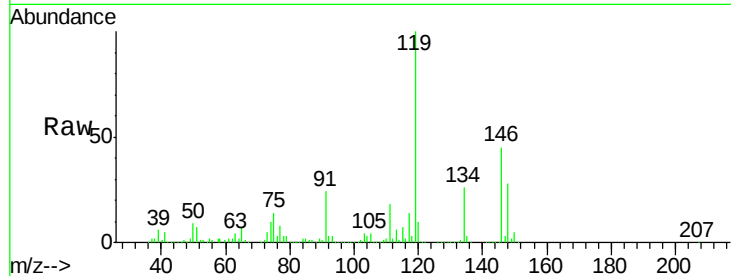
#87
 1,3-Dichlorobenzene
 Concen: 50.446 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001638.D
 Acq: 17 Feb 2020 11:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	259112		
111	41.4	20.7	62.1	
148	63.1	31.6	94.7	

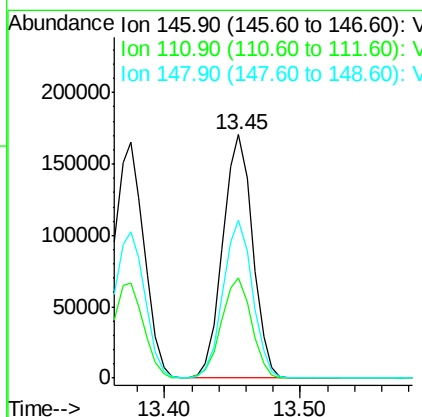
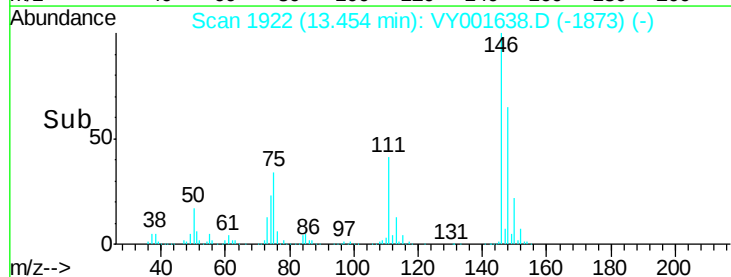
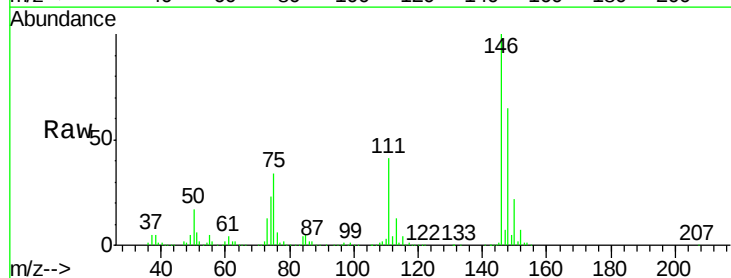
Manual Integrations
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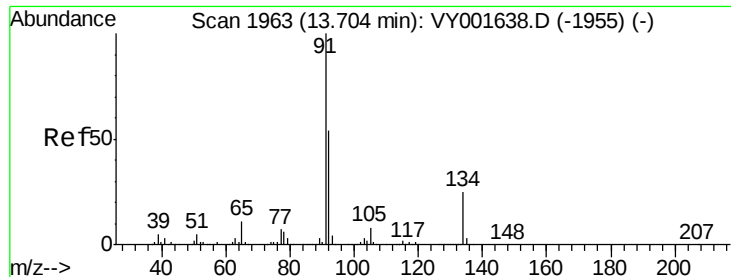
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#88
 1,4-Dichlorobenzene
 Concen: 50.504 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001638.D
 Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	259750		
111	41.5	20.8	62.2	
148	64.1	32.0	96.2	





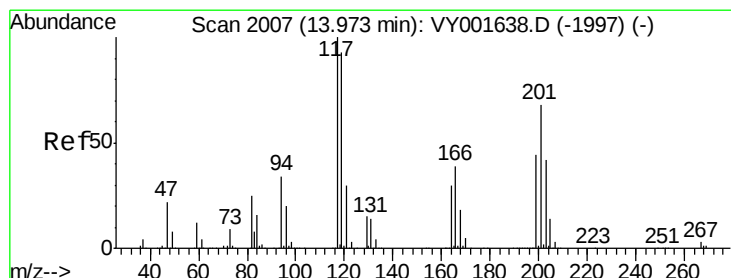
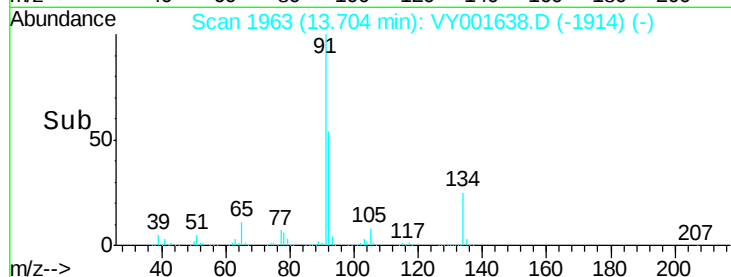
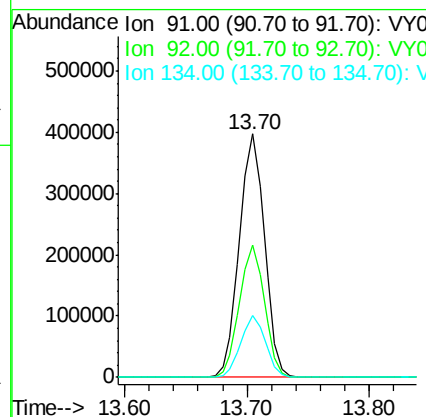
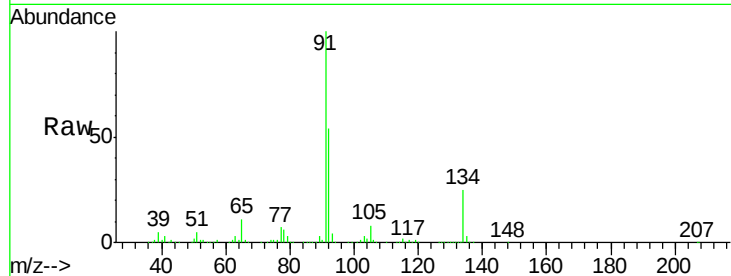
#89
n-Butylbenzene
Concen: 52.124 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.3	81.8
134	25.1	12.6	37.6

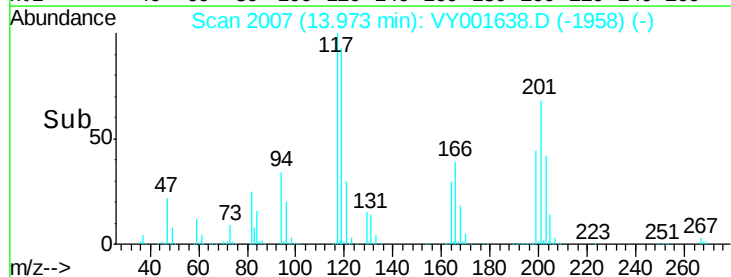
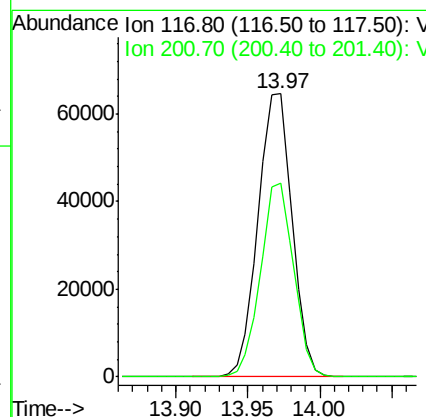
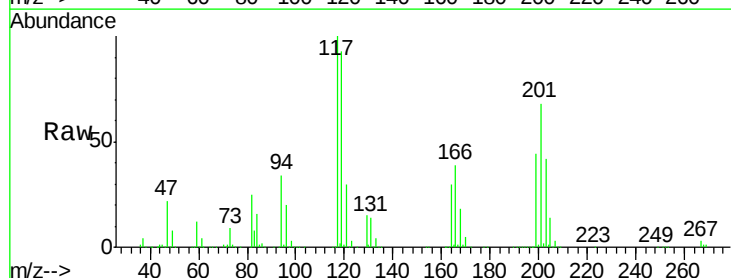
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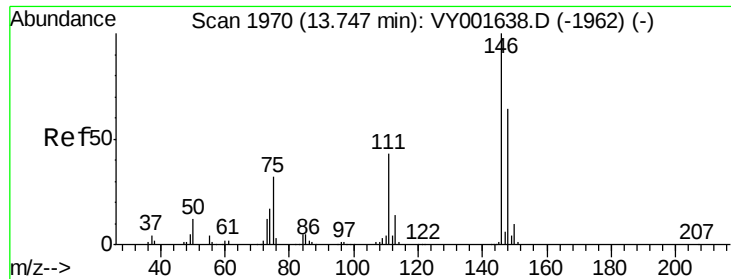
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#90
Hexachloroethane
Concen: 50.647 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.5	33.3	99.8





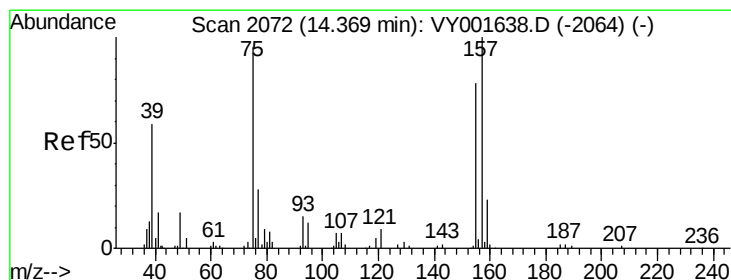
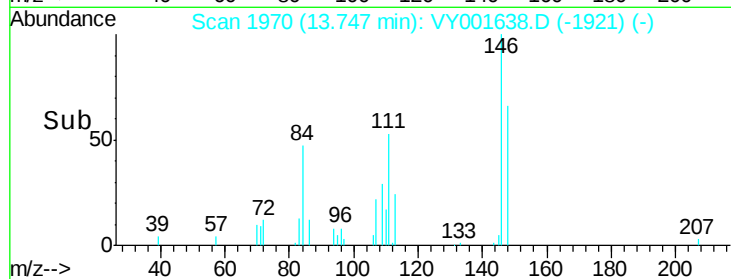
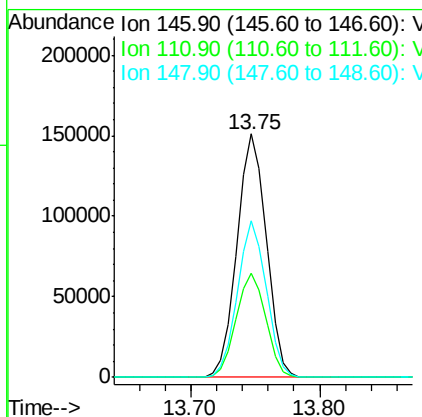
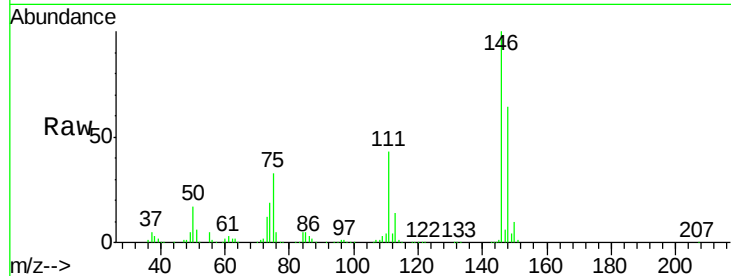
#91
 1,2-Dichlorobenzene
 Concen: 51.194 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001638.D
 Acq: 17 Feb 2020 11:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	238659		
111	43.3		21.6	65.0
148	63.0		31.5	94.5

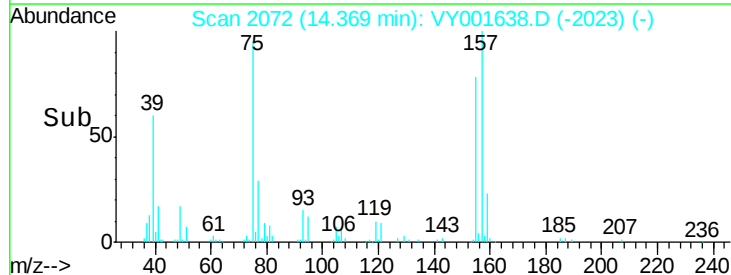
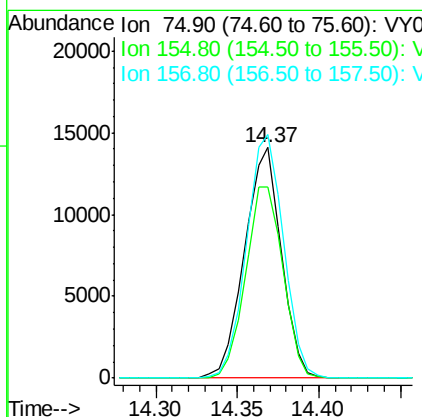
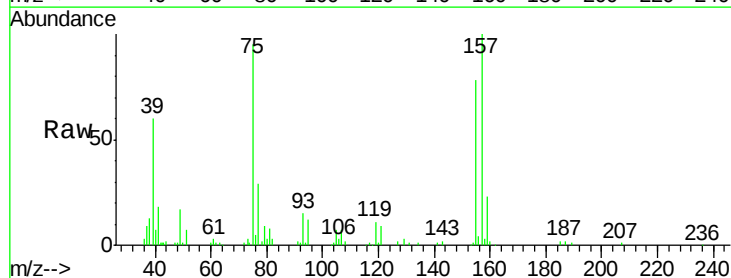
Manual Integrations
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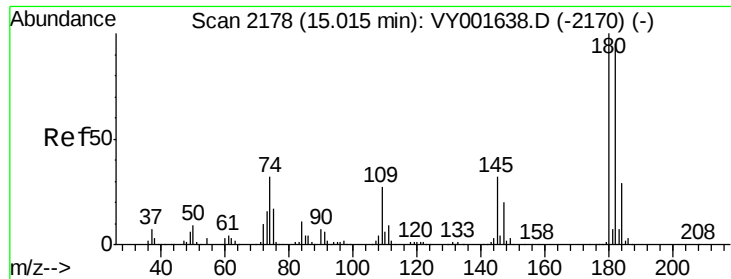
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 2/19/2020 10:49:59 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.464 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY001638.D
 Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22154		
155	84.3		42.1	126.4
157	106.1		53.0	159.1





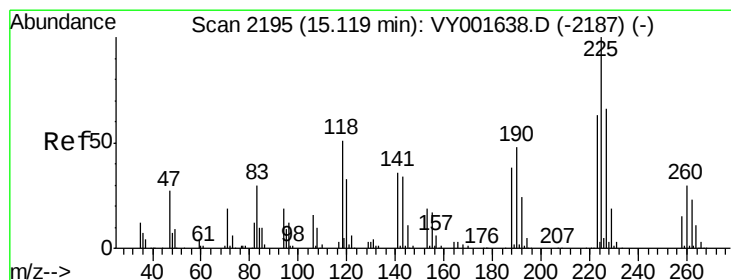
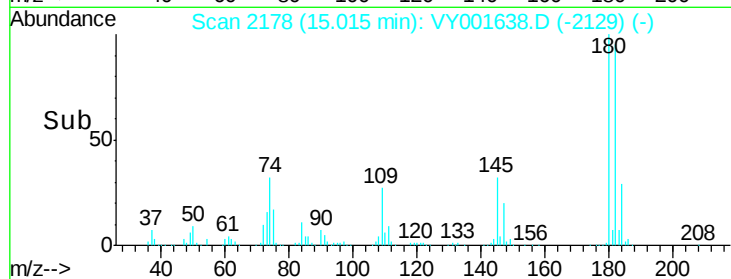
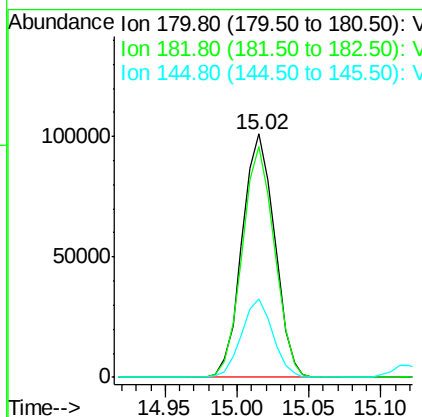
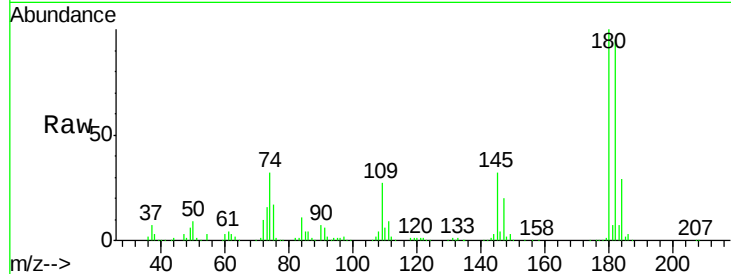
#93
1,2,4-Trichlorobenzene
Concen: 50.345 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	46.9	140.7
145	31.2	15.6	46.8

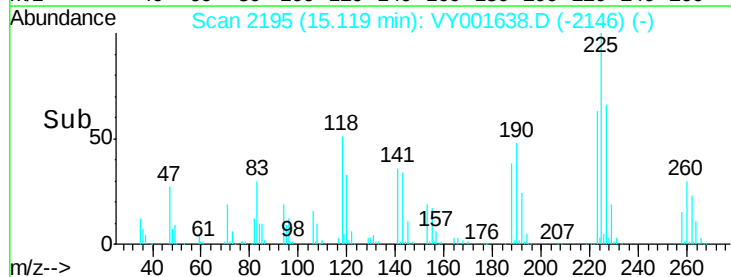
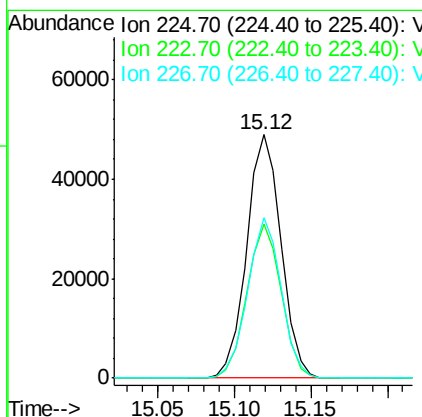
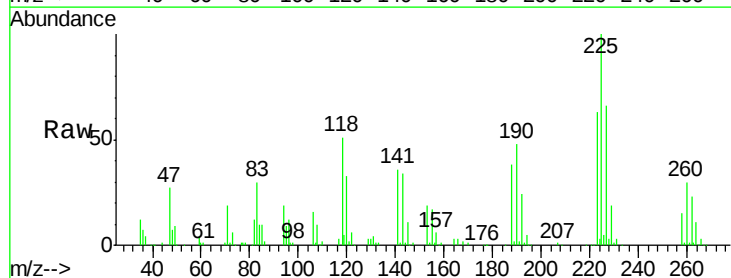
Manual Integrations
APPROVED

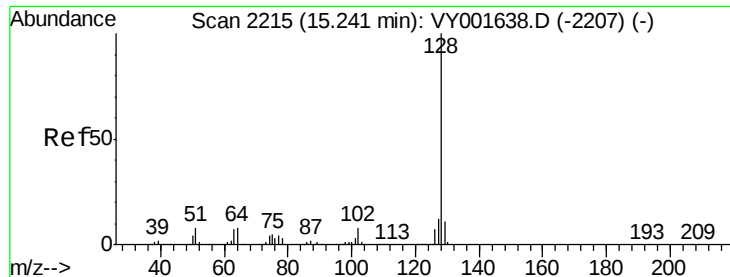
MMDadoda
2/19/2020 10:49:59 AM



#94
Hexachlorobutadiene
Concen: 48.324 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.6	94.8
227	64.5	32.3	96.8





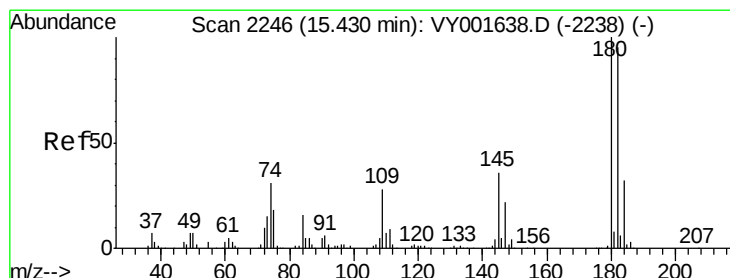
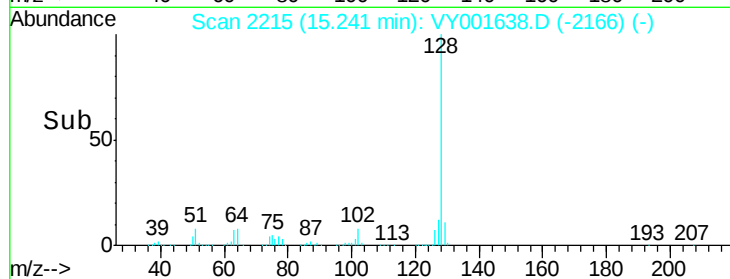
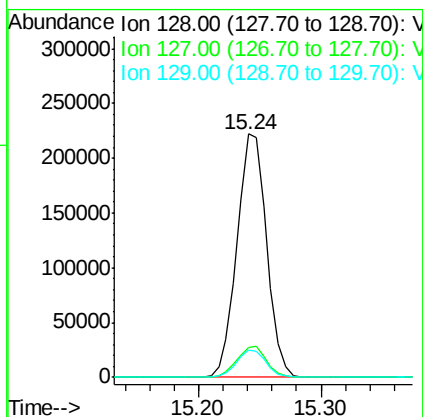
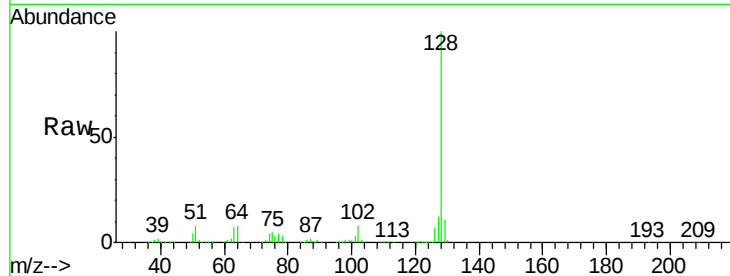
#95
Naphthalene
Concen: 49.776 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:49:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.842 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY001638.D
Acq: 17 Feb 2020 11:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	46.9	140.7
145	33.7	16.9	50.6

