

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022420\
 Data File : VY001771.D
 Acq On : 24 Feb 2020 17:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/25/2020 10:54:01 AM

Quant Time: Feb 24 18:10:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	188784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	344466	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	309615	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	140607	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	107281	52.83	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.66%	
35) Dibromofluoromethane	7.74	113	98028	49.69	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.38%	
50) Toluene-d8	10.19	98	404221	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
62) 4-Bromofluorobenzene	12.49	95	146065	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	99102	53.853	ug/l	99
3) Chloromethane	2.12	50	124665	50.367	ug/l	97
4) Vinyl Chloride	2.26	62	126004	50.472	ug/l	99
5) Bromomethane	2.66	94	79182	50.748	ug/l	97
6) Chloroethane	2.80	64	78173	50.814	ug/l	98
7) Trichlorofluoromethane	3.14	101	167158	52.315	ug/l	97
8) Diethyl Ether	3.54	74	68352	54.264	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.92	101	107443	53.499	ug/l	98
10) Methyl Iodide	4.11	142	128537	52.295	ug/l	99
11) Tert butyl alcohol	4.98	59	65835	283.221	ug/l	99
12) 1,1-Dichloroethene	3.89	96	106124	51.810	ug/l	99
13) Acrolein	3.75	56	61077	297.813	ug/l	99
14) Allyl chloride	4.50	41	197989	54.311	ug/l	99
15) Acrylonitrile	5.19	53	182411	282.525	ug/l	100
16) Acetone	3.96	43	164334	233.885	ug/l	98
17) Carbon Disulfide	4.21	76	341178	49.891	ug/l	99
18) Methyl Acetate	4.50	43	82936	54.202	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	307245	53.874	ug/l	99
20) Methylene Chloride	4.74	84	125899	50.446	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	119287	51.042	ug/l	97
22) Diisopropyl ether	6.14	45	407659	54.453	ug/l	96
23) Vinyl Acetate	6.08	43	1351617	276.783	ug/l	98
24) 1,1-Dichloroethane	6.04	63	215825	53.939	ug/l	99
25) 2-Butanone	7.01	43	246360	258.106	ug/l	100
26) 2,2-Dichloropropane	7.00	77	177727	51.053	ug/l	100
27) cis-1,2-Dichloroethene	7.01	96	135189	52.406	ug/l	100
28) Bromochloromethane	7.35	49	98585	59.146	ug/l	97
29) Tetrahydrofuran	7.36	42	160563	278.314	ug/l	99
30) Chloroform	7.52	83	204008	52.180	ug/l	99
31) Cyclohexane	7.80	56	213259	49.988	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	171827	52.291	ug/l	100
36) 1,1-Dichloropropene	7.94	75	166108	50.484	ug/l	99
37) Ethyl Acetate	7.10	43	107284	54.630	ug/l	99
38) Carbon Tetrachloride	7.92	117	146007	50.520	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	220447	50.502	ug/l	98
40) Benzene	8.18	78	505789	52.267	ug/l	100
41) Methacrylonitrile	7.34	41	54328m	55.096	ug/l	
42) 1,2-Dichloroethane	8.25	62	134114	50.872	ug/l	99
43) Isopropyl Acetate	8.28	43	201926	54.192	ug/l	100
44) Trichloroethene	8.95	130	121592	50.334	ug/l	98
45) 1,2-Dichloropropane	9.23	63	129648	53.496	ug/l	99
46) Dibromomethane	9.32	93	66213	52.236	ug/l	99
47) Bromodichloromethane	9.51	83	159544	52.151	ug/l	100
48) Methyl methacrylate	9.30	41	94123	55.854	ug/l	97
49) 1,4-Dioxane	9.31	88	19113	1067.565	ug/l	91
51) 4-Methyl-2-Pentanone	10.08	43	521472	272.390	ug/l	99
52) Toluene	10.25	92	306213	50.729	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	177324	52.431	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	203605	52.306	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	99765	53.376	ug/l	99
56) Ethyl methacrylate	10.52	69	150834	53.793	ug/l	99
57) 1,3-Dichloropropane	10.80	76	176567	53.166	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	240384	226.131	ug/l	98
59) 2-Hexanone	10.84	43	370197	257.720	ug/l	99
60) Dibromochloromethane	10.99	129	107001	51.925	ug/l	100
61) 1,2-Dibromoethane	11.10	107	93152	52.709	ug/l	99
64) Tetrachloroethene	10.73	164	97341	50.082	ug/l	97
65) Chlorobenzene	11.52	112	318835	51.580	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	108452	52.011	ug/l	100
67) Ethyl Benzene	11.60	91	594717	51.844	ug/l	100
68) m/p-Xylenes	11.71	106	435682	101.675	ug/l	99
69) o-Xylene	12.03	106	207450	50.923	ug/l	98
70) Styrene	12.05	104	364960	51.549	ug/l	99
71) Bromoform	12.22	173	61491	51.602	ug/l #	100
73) Isopropylbenzene	12.34	105	558597	52.148	ug/l	100
74) N-amyl acetate	12.15	43	181509	53.095	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	125663	54.943	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	94767m	58.754	ug/l	
77) Bromobenzene	12.61	156	120233	51.778	ug/l	100
78) n-propylbenzene	12.68	91	689249	52.833	ug/l	100
79) 2-Chlorotoluene	12.77	91	381748	52.173	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	461143	52.007	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	46407	54.585	ug/l	97
82) 4-Chlorotoluene	12.86	91	405268	52.515	ug/l	100
83) tert-Butylbenzene	13.08	119	389973	52.585	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	457479	51.751	ug/l	100
85) sec-Butylbenzene	13.26	105	568062	52.082	ug/l	100
86) p-Isopropyltoluene	13.38	119	484348	51.117	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	230796	51.248	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	229593	50.435	ug/l	100
89) n-Butylbenzene	13.70	91	497664	51.401	ug/l	99
90) Hexachloroethane	13.97	117	92720	51.937	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	209685	50.453	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	19311	51.160	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	130982	47.558	ug/l	99
94) Hexachlorobutadiene	15.12	225	63055	46.036	ug/l	98
95) Naphthalene	15.24	128	318990	50.233	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	115971	47.863	ug/l	99

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

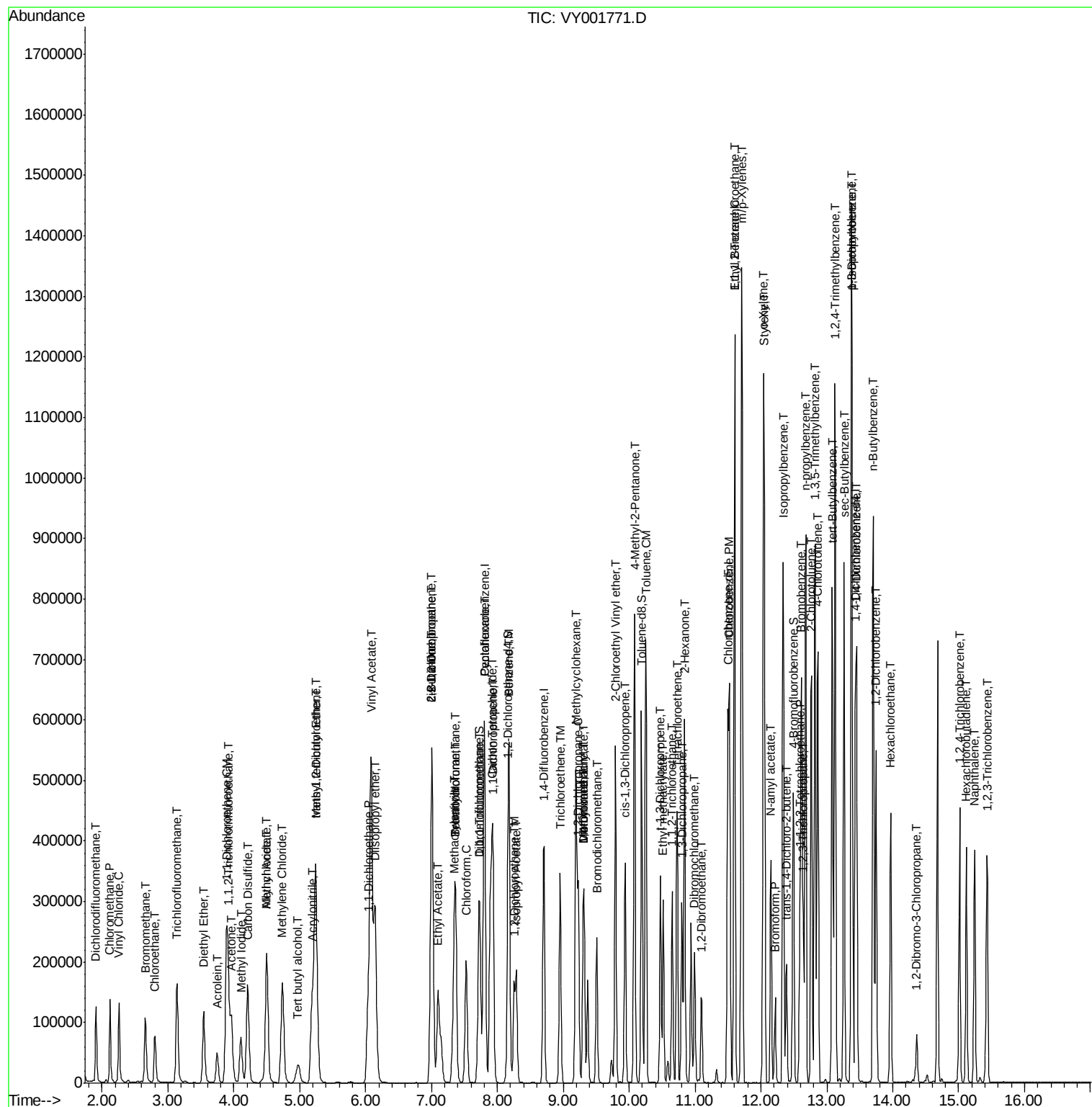
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Acq On : 24 Feb 2020 17:11
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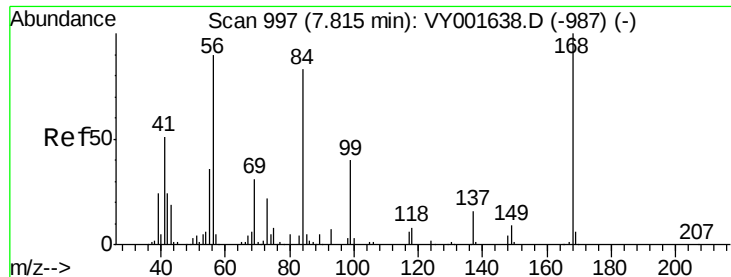
Instrument :
MSVOA_Y
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 188784

Ion Ratio Lower Upper

168 100

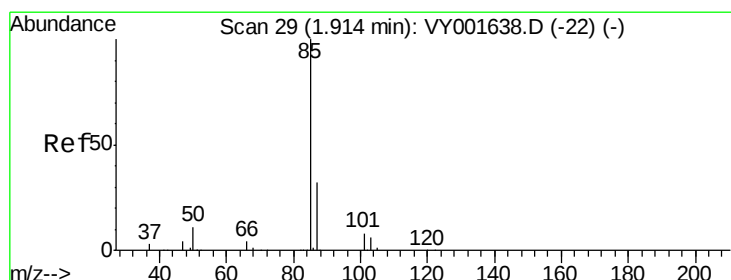
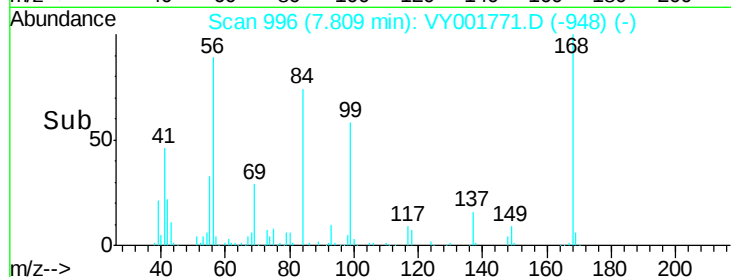
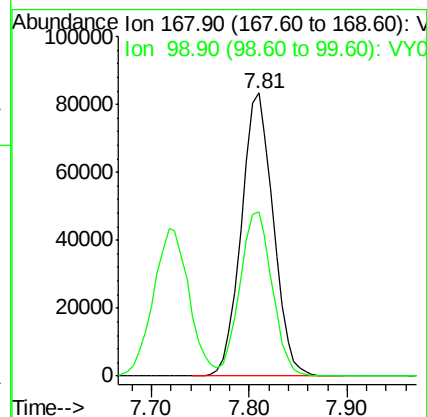
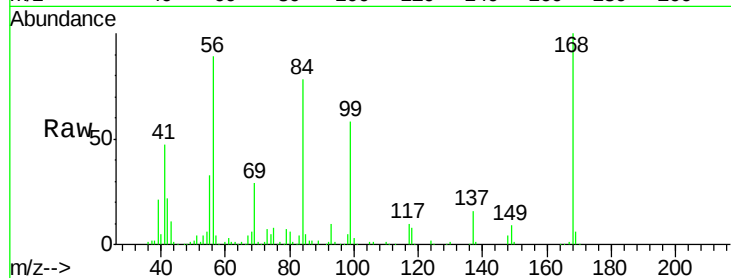
99 58.2 47.5 71.3

Manual Integrations

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2/25/2020 10:54:01 AM



#2

Dichlorodifluoromethane

Concen: 53.853 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001771.D

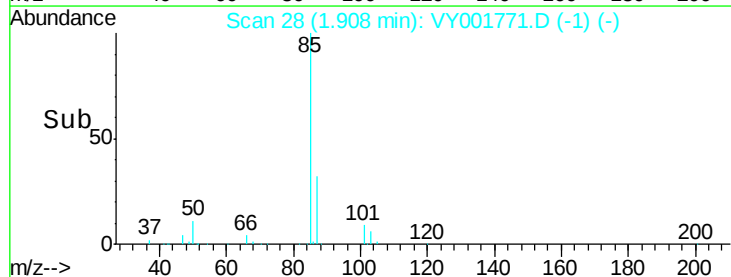
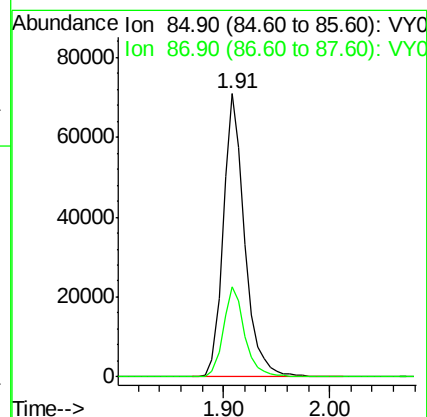
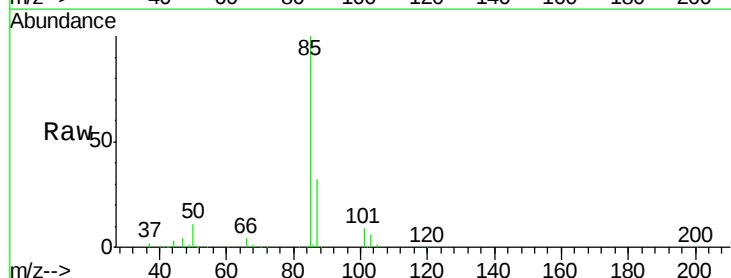
Acq: 24 Feb 2020 17:11

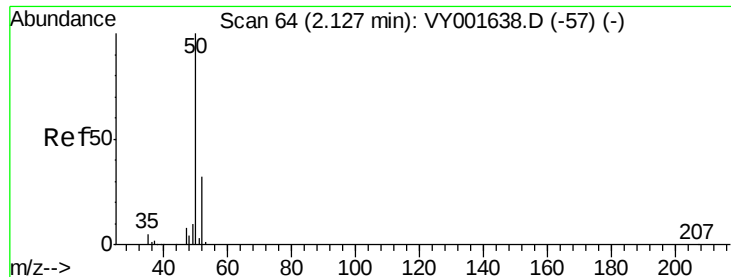
Tgt Ion: 85 Resp: 99102

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.6





#3

Chloromethane

Concen: 50.367 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 124665

Ion Ratio Lower Upper

50 100

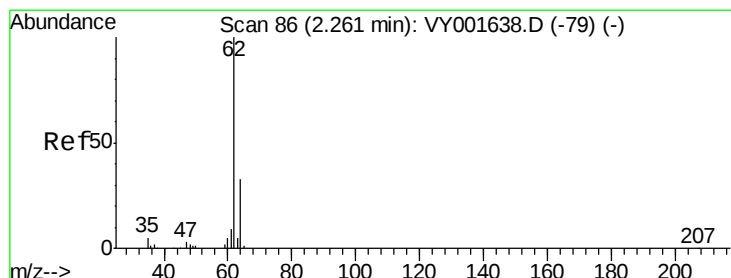
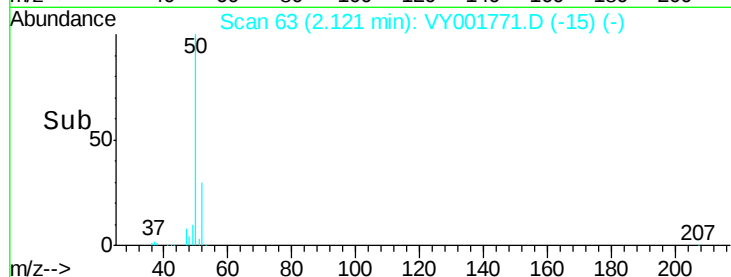
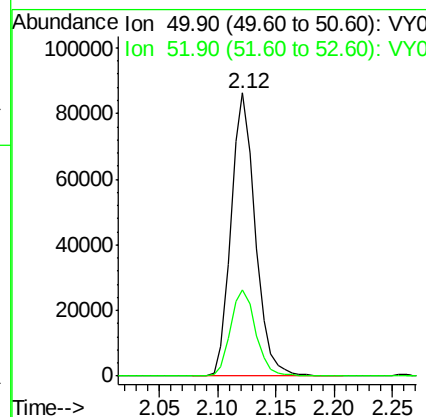
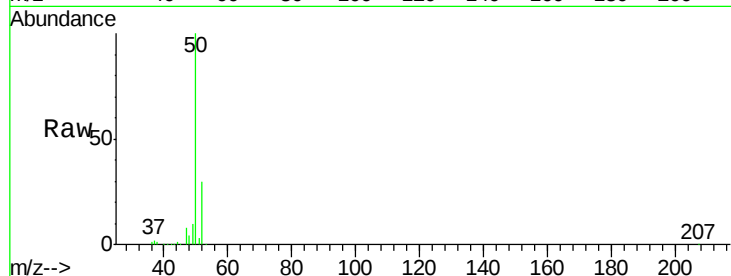
52 30.3 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.472 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY001771.D

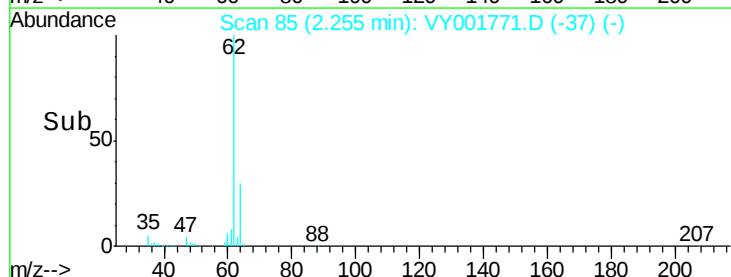
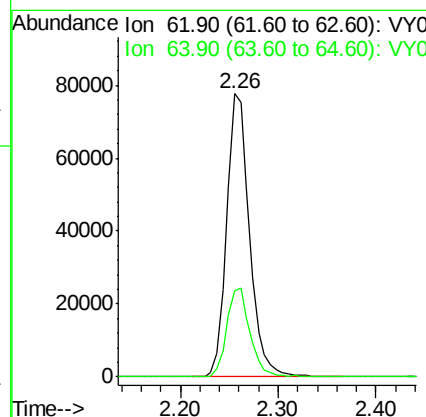
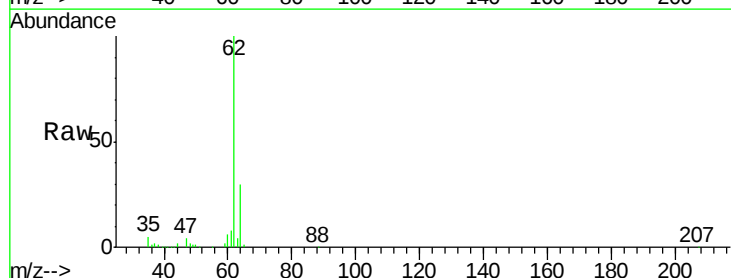
Acq: 24 Feb 2020 17:11

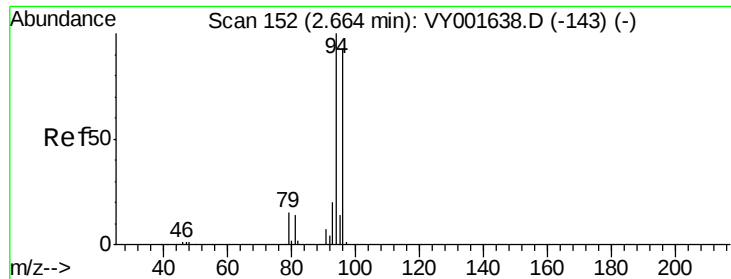
Tgt Ion: 62 Resp: 126004

Ion Ratio Lower Upper

62 100

64 30.4 24.9 37.3





#5

Bromomethane

Concen: 50.748 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 79182

Ion Ratio Lower Upper

94 100

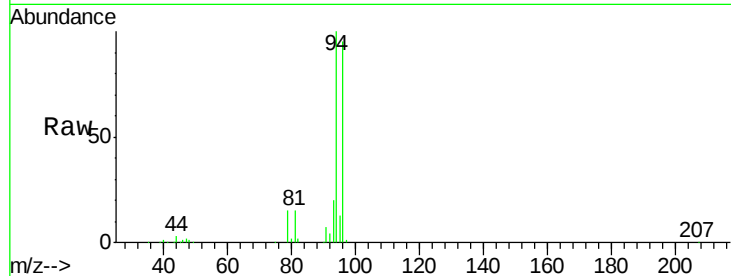
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Manual Integrations

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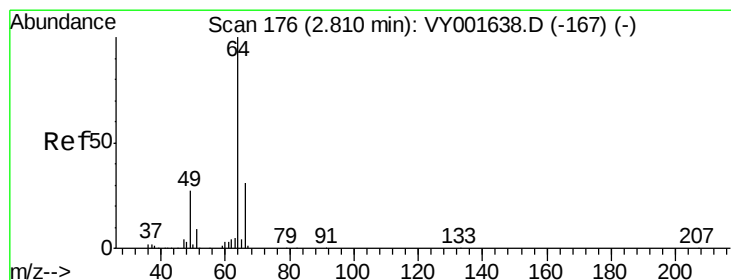
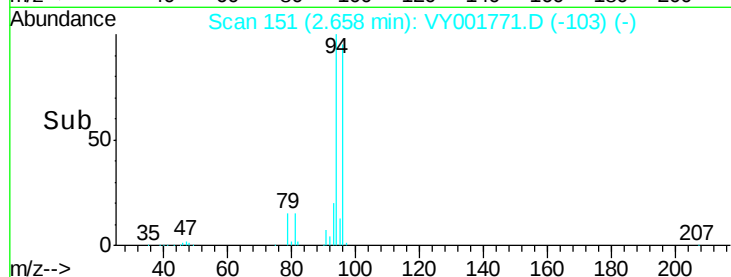
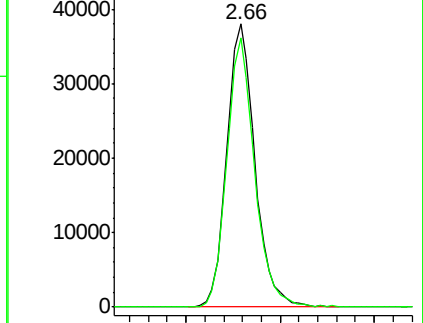
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 50.814 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001771.D

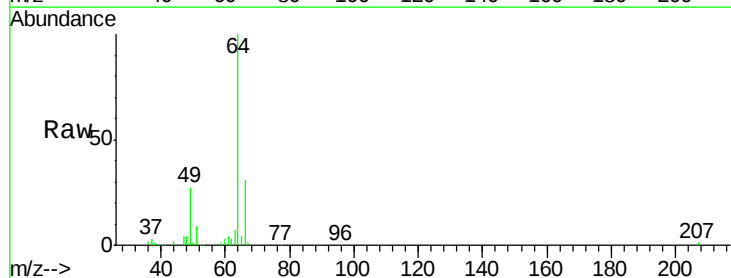
Acq: 24 Feb 2020 17:11

Tgt Ion: 64 Resp: 78173

Ion Ratio Lower Upper

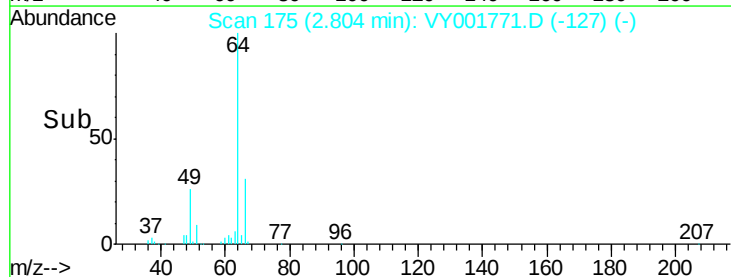
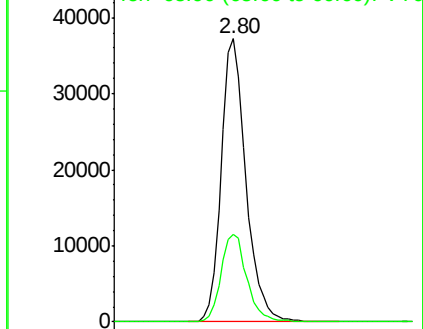
64 100

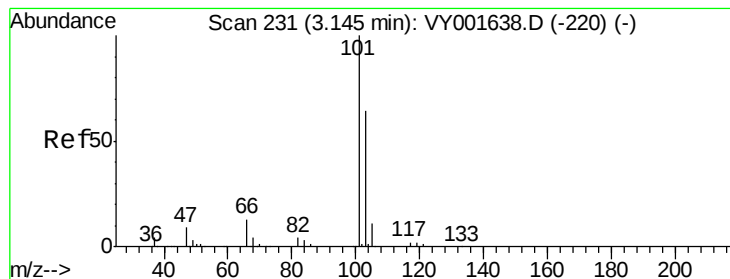
66 31.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

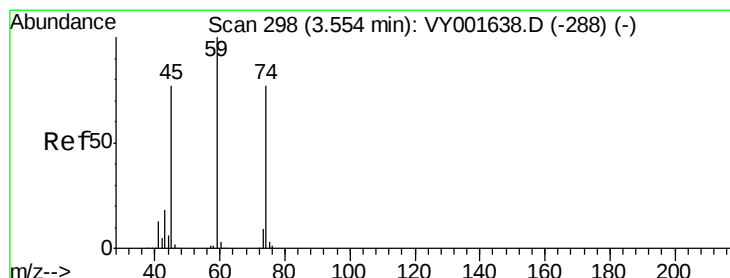
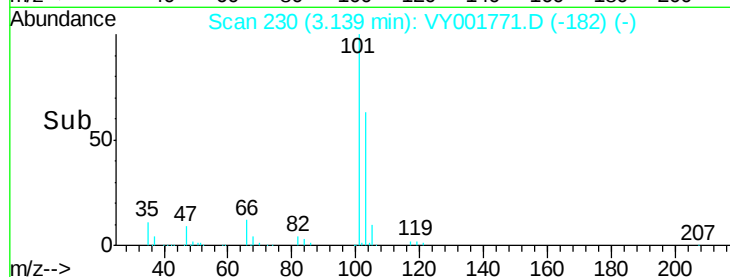
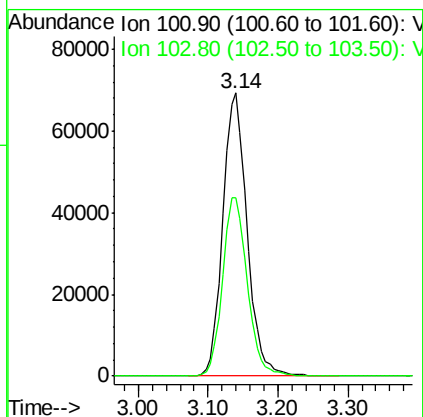
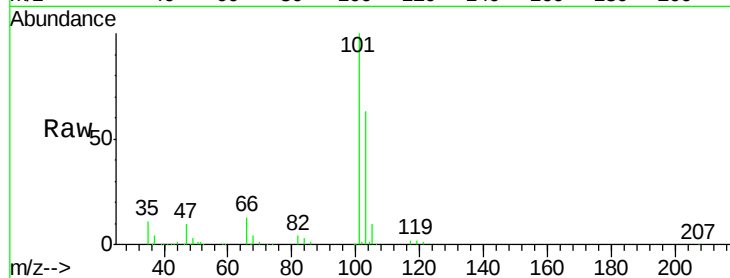
Trichlorofluoromethane
Concen: 52.315 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.01 min
Lab File: VY001771.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	167158		
103	62.9	52.2	78.2	

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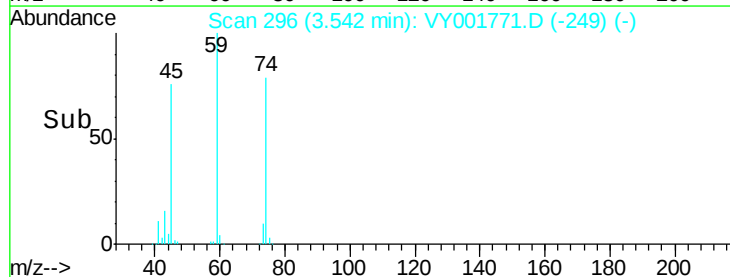
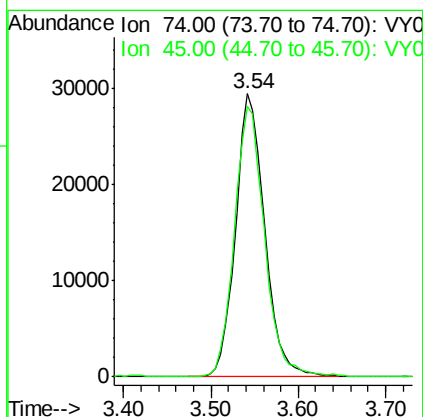
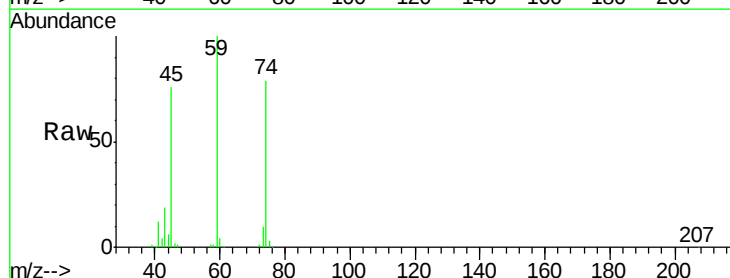
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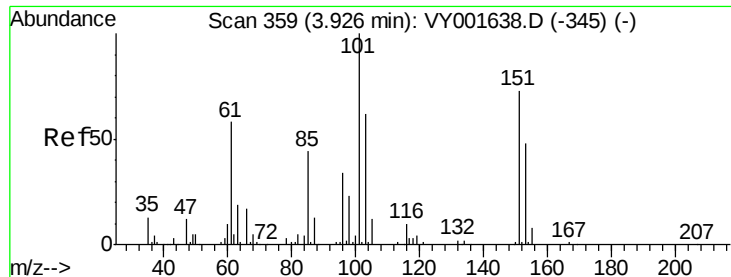


#8

Diethyl Ether
Concen: 54.264 ug/l
RT: 3.54 min Scan# 296
Delta R.T. -0.01 min
Lab File: VY001771.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	68352		
45	98.9	49.6	148.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.499 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Instrument :

MSVOA_Y

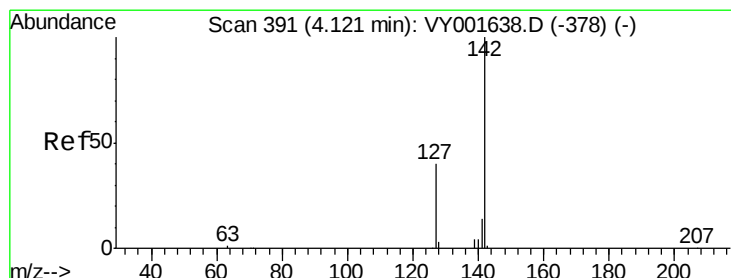
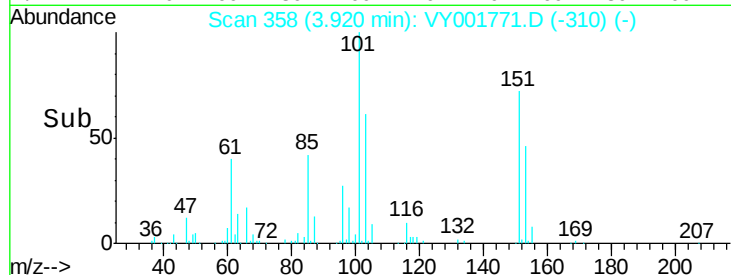
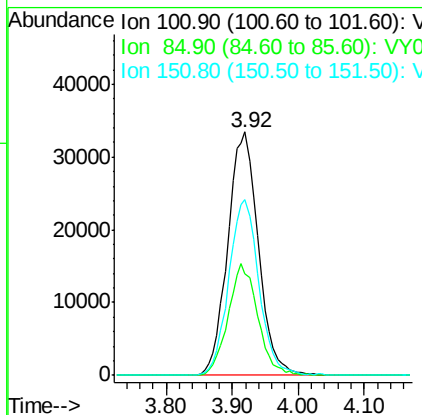
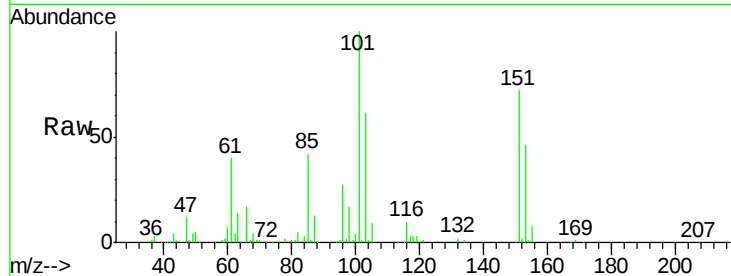
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	107443
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.1	52.7
151	71.0	58.4	87.6

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#10

Methyl Iodide

Concen: 52.295 ug/l

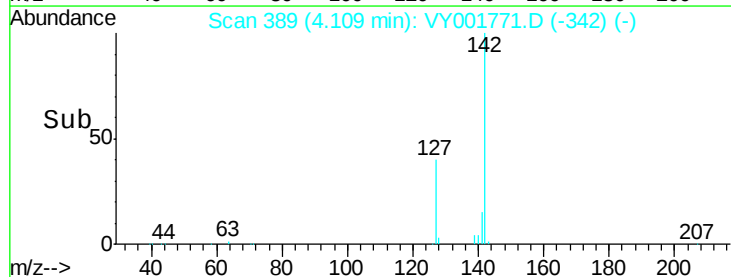
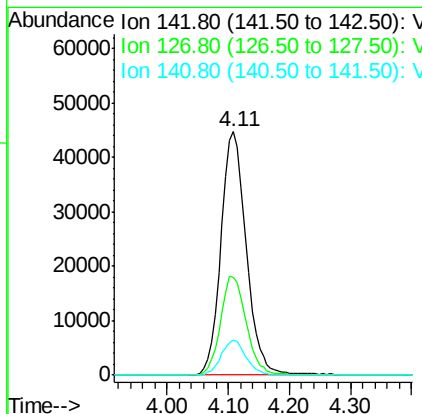
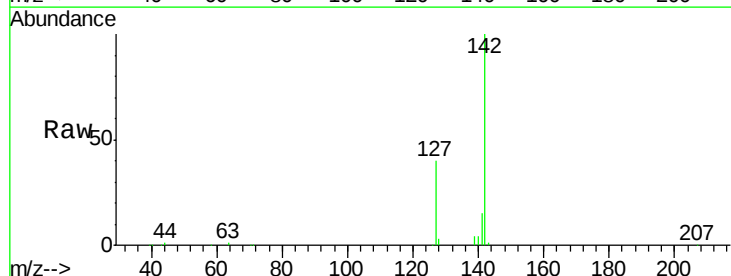
RT: 4.11 min Scan# 389

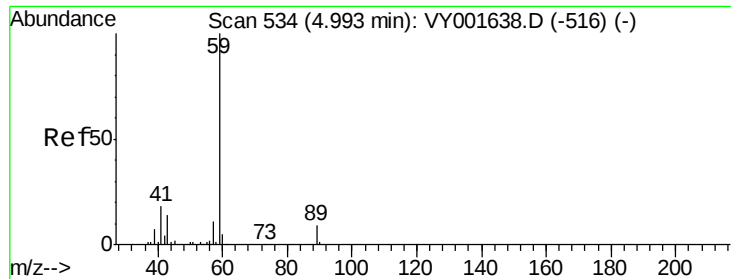
Delta R.T. -0.01 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Tgt Ion:	142	Resp:	128537
Ion Ratio	Lower	Upper	
142	100		
127	41.2	32.1	48.1
141	14.2	11.3	16.9





#11

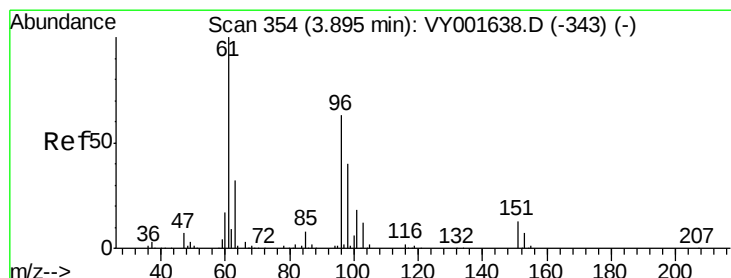
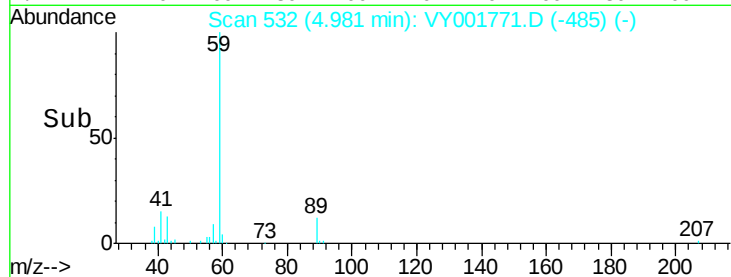
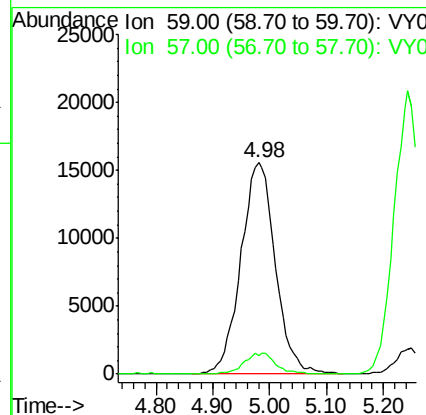
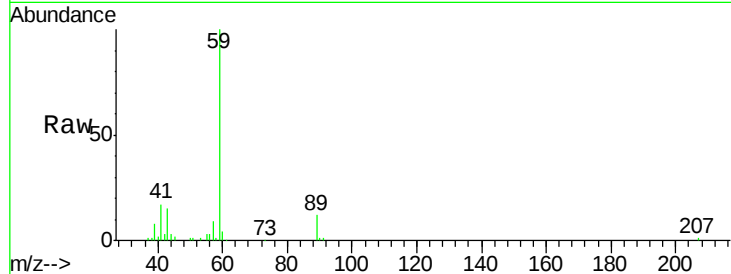
Tert butyl alcohol
 Concen: 283.221 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VY001771.D
 Acq: 24 Feb 2020 17:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	65835
Ion Ratio	100	Lower	Upper
57	9.0	7.4	11.2

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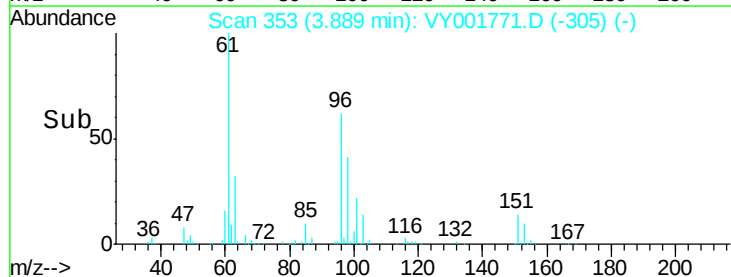
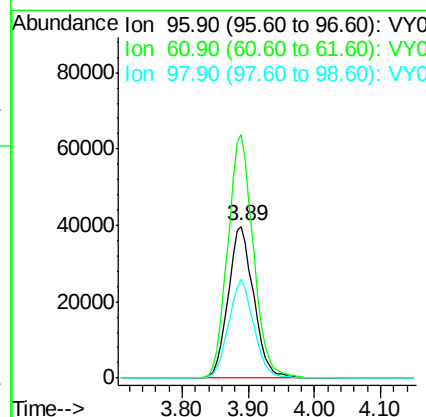
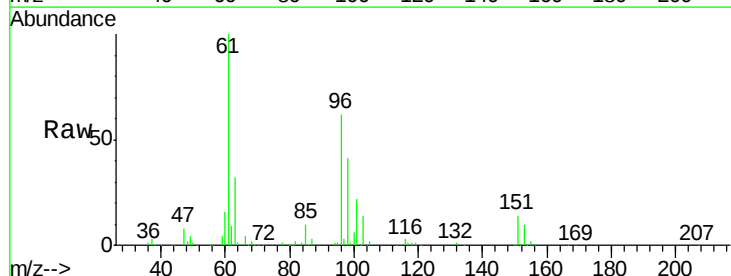
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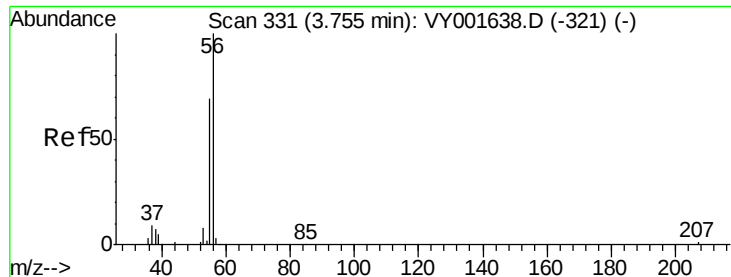


#12

1,1-Dichloroethene
 Concen: 51.810 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VY001771.D
 Acq: 24 Feb 2020 17:11

Tgt Ion	96	Resp	106124
Ion Ratio	100	Lower	Upper
61	160.2	128.7	193.1
98	65.1	50.7	76.1





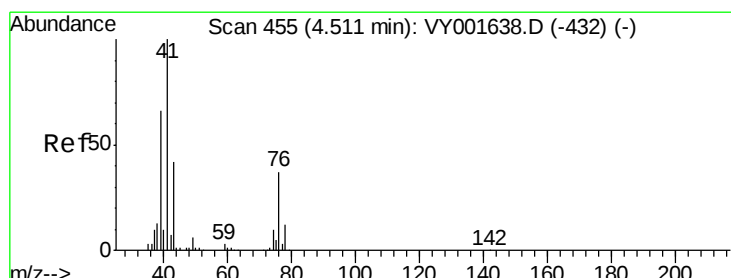
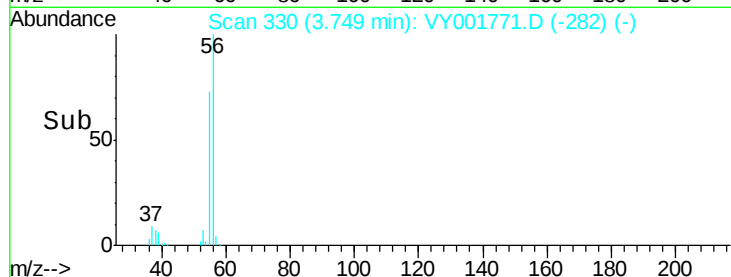
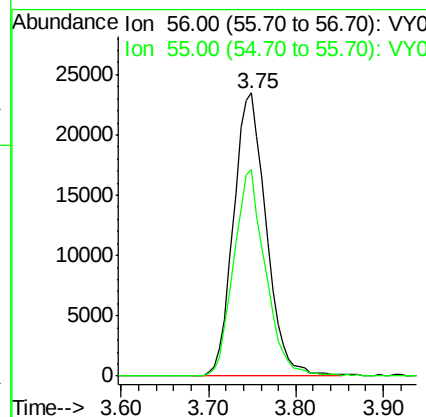
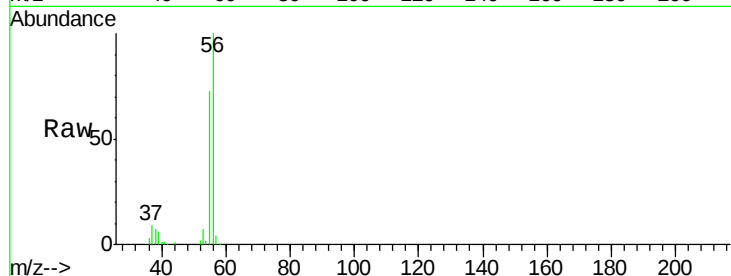
#13
Acrolein
Concen: 297.813 ug/l
RT: 3.75 min Scan# 330
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	61077
Ion Ratio	100	Lower	Upper
56	100		
55	70.9	56.1	84.1

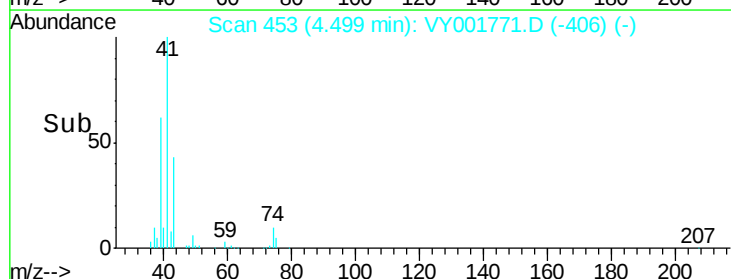
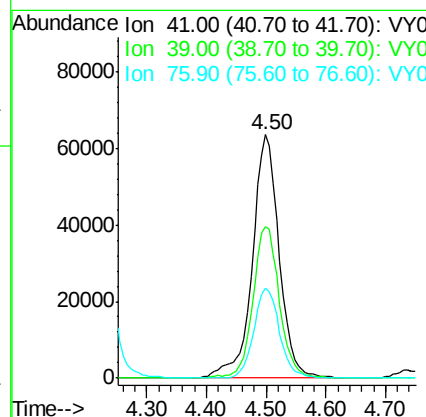
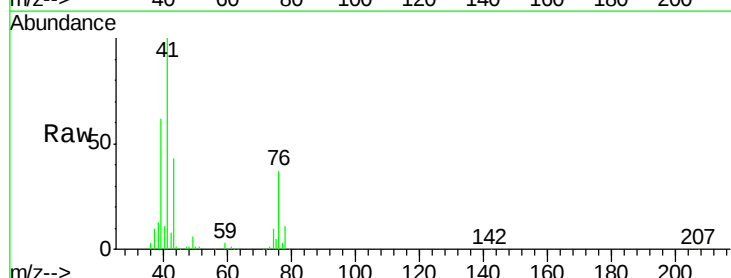
Manual Integrations
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#14
Allyl chloride
Concen: 54.311 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Tgt Ion	41	Resp	197989
Ion Ratio	100	Lower	Upper
41	100		
39	61.6	49.4	74.0
76	35.5	29.0	43.6





#15

Acrylonitrile

Concen: 282.525 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.02 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Instrument :

MSVOA_Y

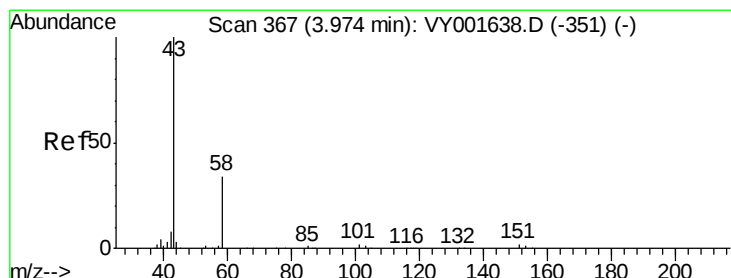
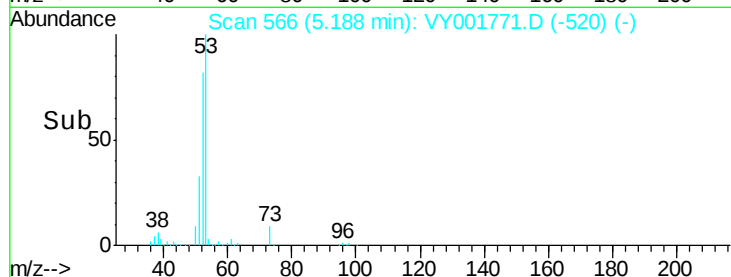
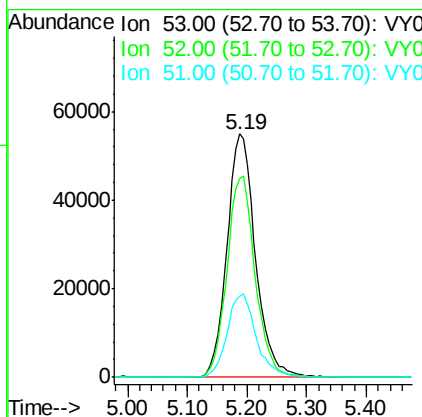
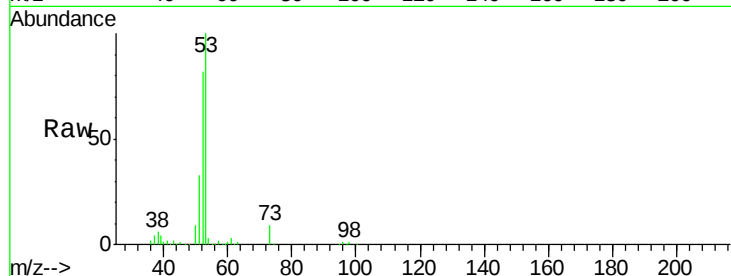
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	182411
Ion Ratio	Lower	Upper	
53	100		
52	81.7	65.4	98.0
51	35.0	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 233.885 ug/l

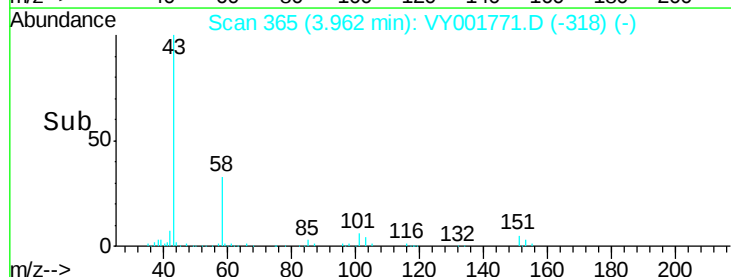
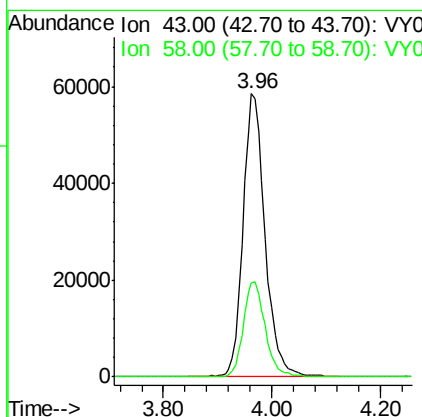
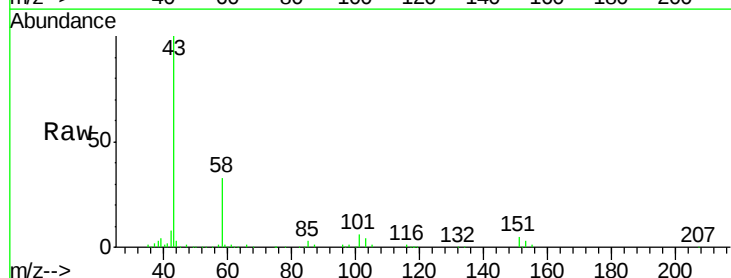
RT: 3.96 min Scan# 365

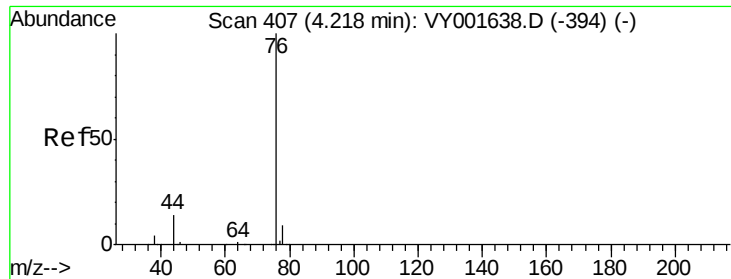
Delta R.T. -0.01 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Tgt Ion:	43	Resp:	164334
Ion Ratio	Lower	Upper	
43	100		
58	33.0	27.3	40.9





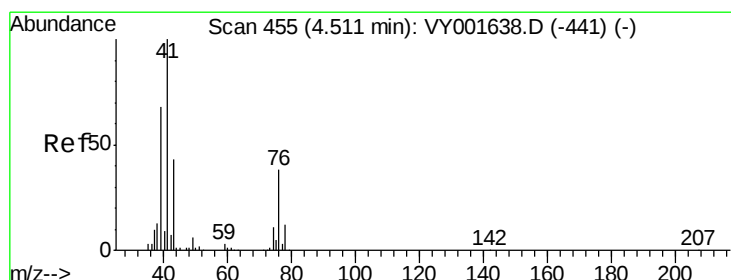
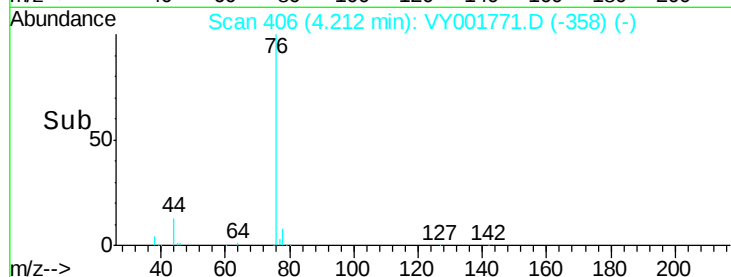
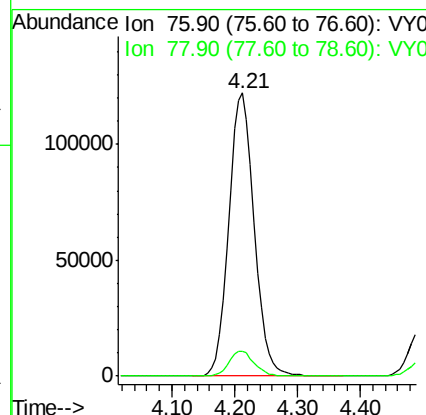
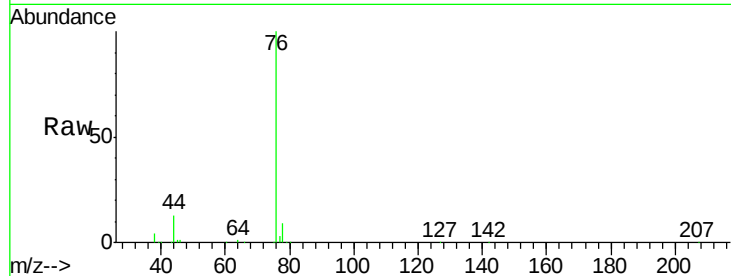
#17
Carbon Disulfide
Concen: 49.891 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

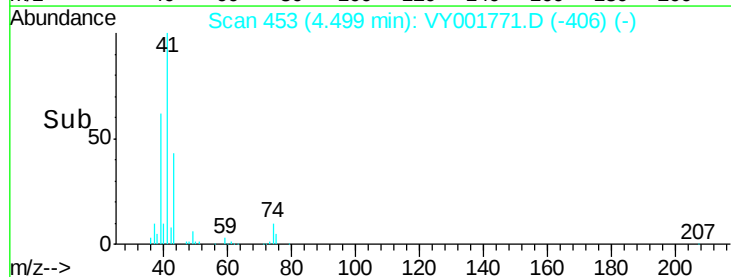
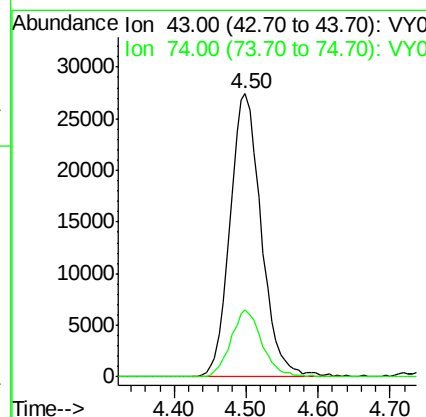
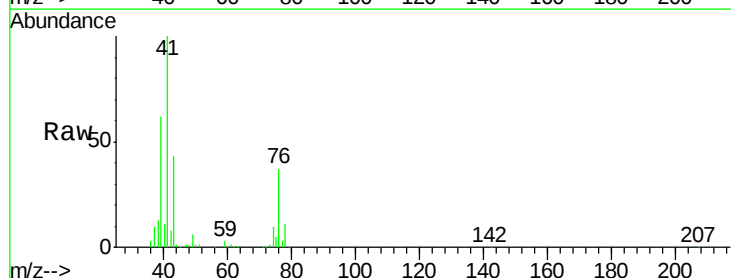
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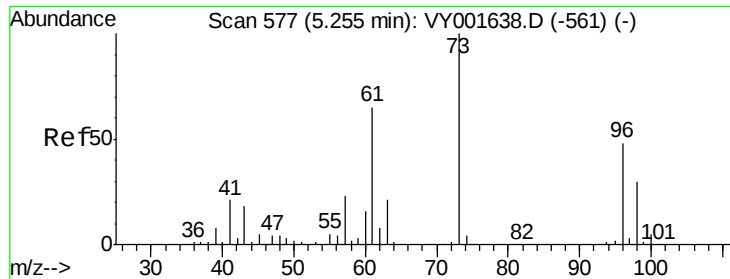
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#18
Methyl Acetate
Concen: 54.202 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.1	28.7





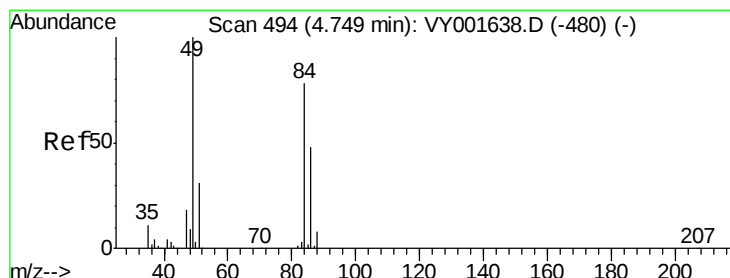
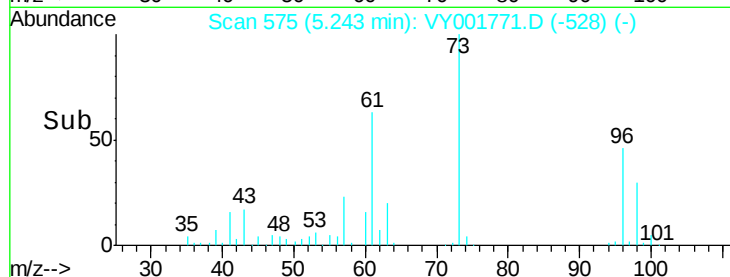
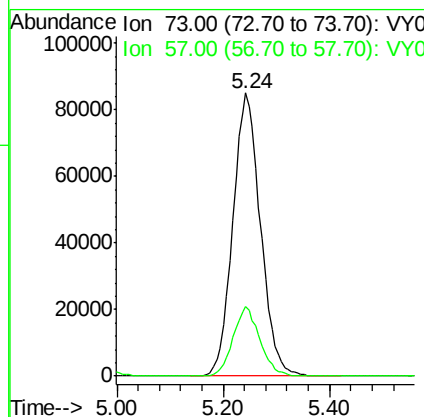
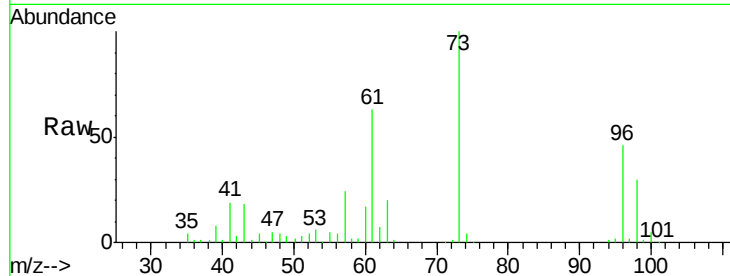
#19
Methyl tert-butyl Ether
Concen: 53.874 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.5	19.0	28.6

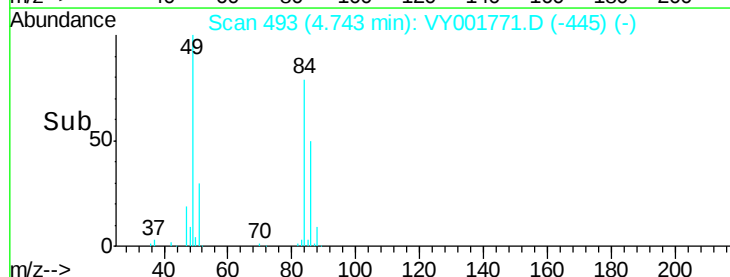
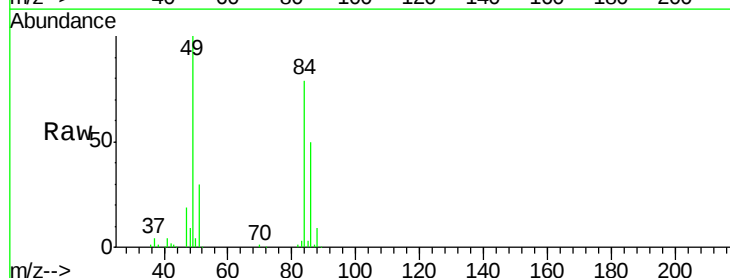
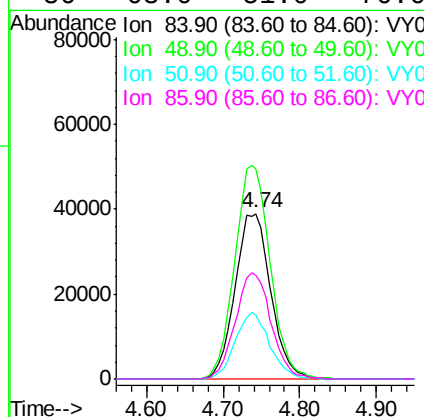
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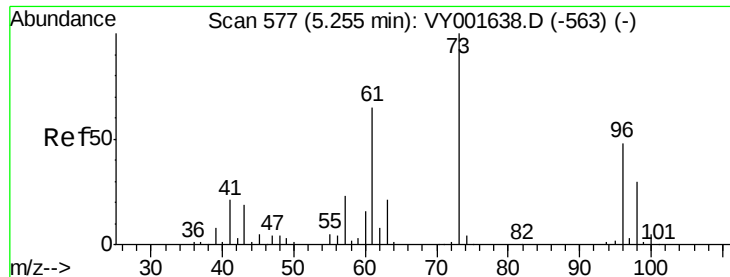
MMDadoda
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#20
Methylene Chloride
Concen: 50.446 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.5	99.2	148.8
51	38.4	31.5	47.3
86	63.0	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 51.042 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.01 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Instrument :

MSVOA_Y

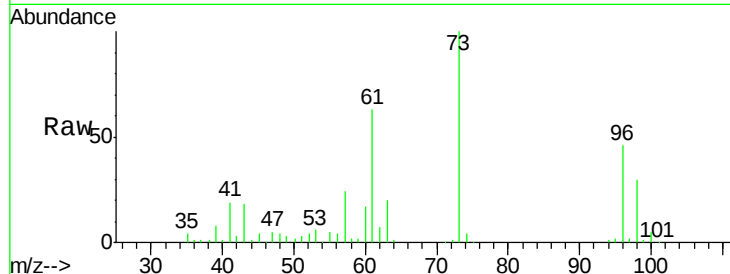
ClientSampleId :

VSTDCCC050EC

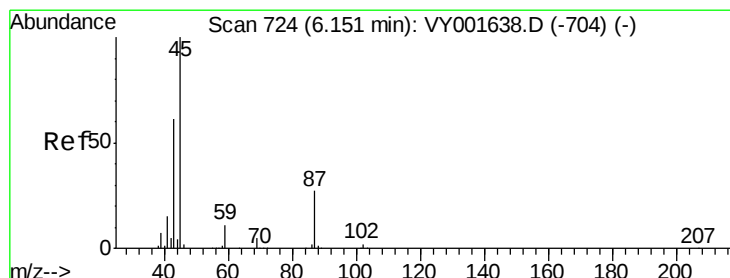
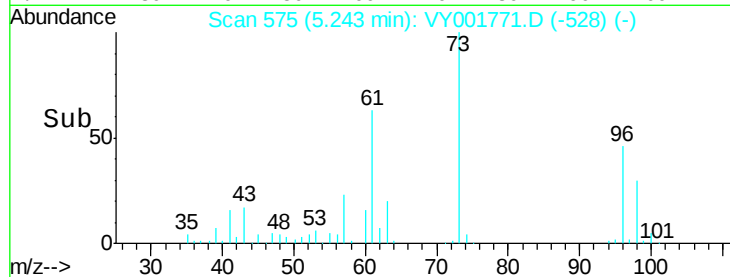
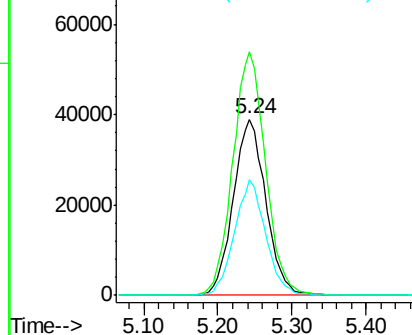
Tot Ion:	96	Resp:	119287
Ion	Ratio	Lower	Upper
96	100		
61	138.2	107.9	161.9
98	65.4	49.8	74.8

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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: 54.453 ug/l

RT: 6.14 min Scan# 722

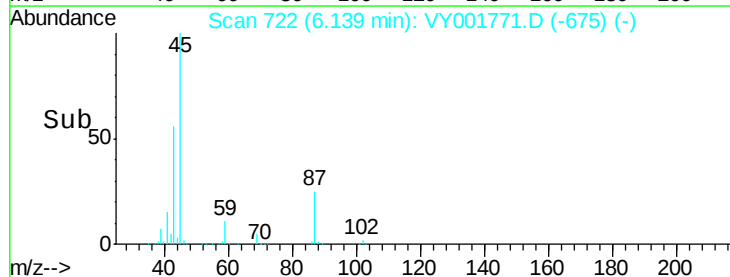
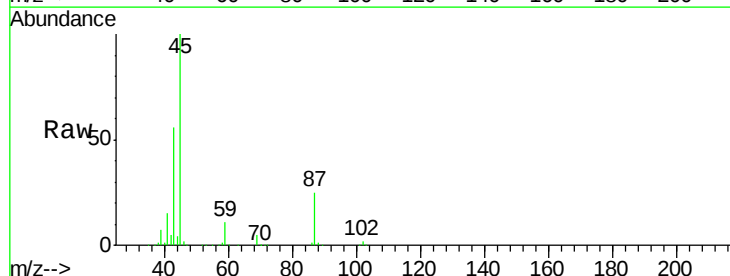
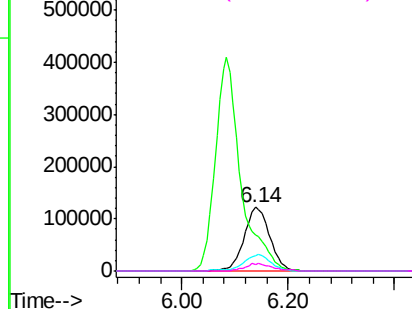
Delta R.T. -0.01 min

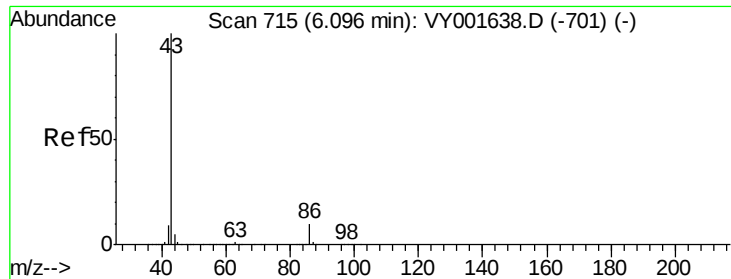
Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Tgt Ion:	45	Resp:	407659
Ion	Ratio	Lower	Upper
45	100		
43	55.7	46.4	69.6
87	25.0	22.1	33.1
59	10.7	9.4	14.0

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: 276.783 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.01 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Tot Ion: 43 Resp: 1351617

Ion Ratio Lower Upper

43 100

86 10.1 8.8 13.2

Instrument :

MSVOA_Y

ClientSampleId :

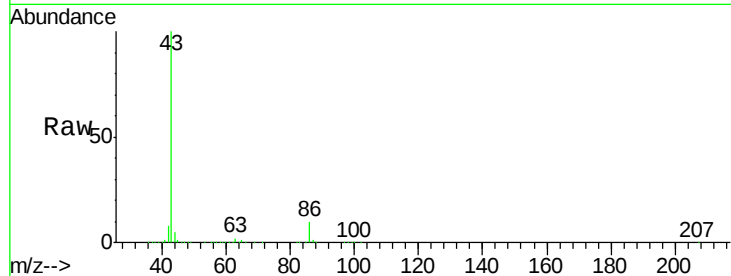
VSTDCCC050EC

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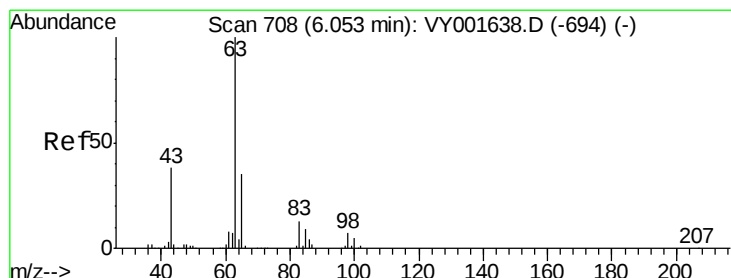
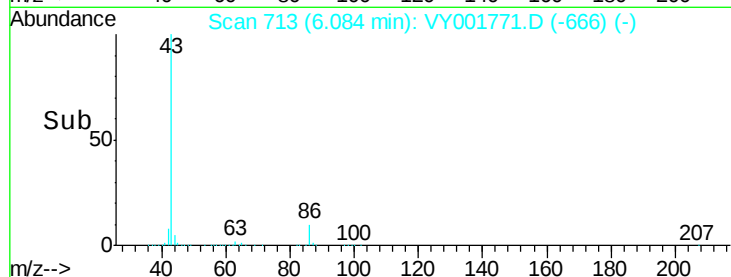
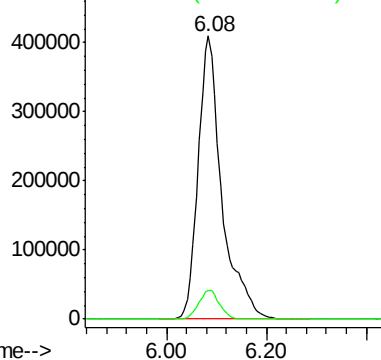
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 53.939 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

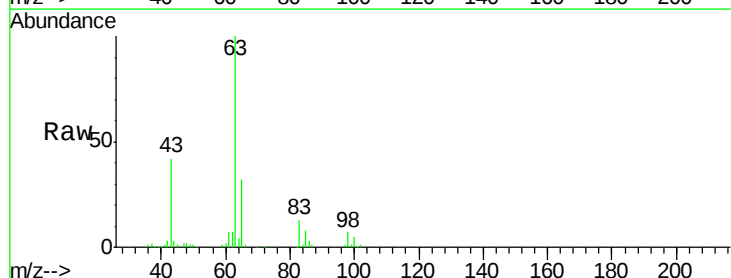
Tgt Ion: 63 Resp: 215825

Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.2

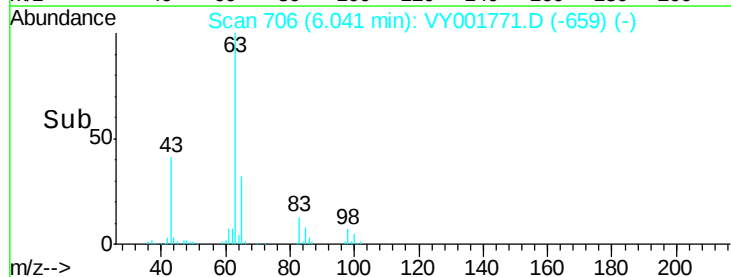
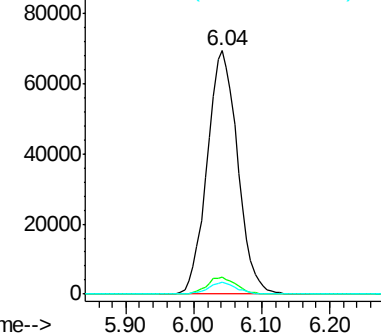
100 4.8 2.3 6.9

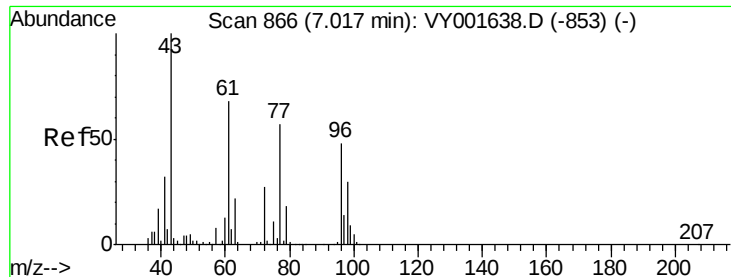


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 258.106 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 246360

Ion Ratio Lower Upper

43 100

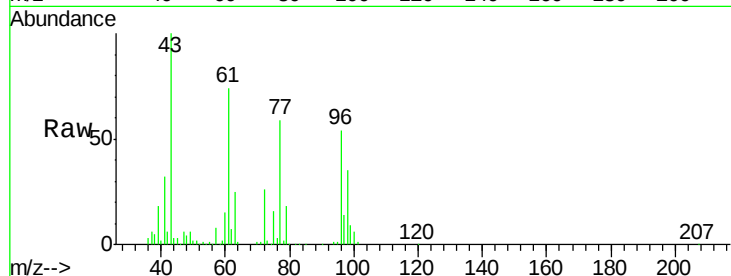
72 26.5 21.2 31.8

Manual Integrations

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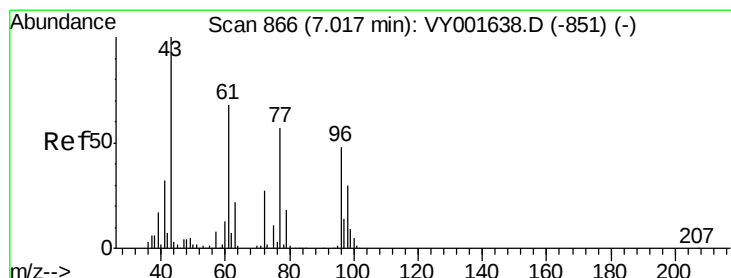
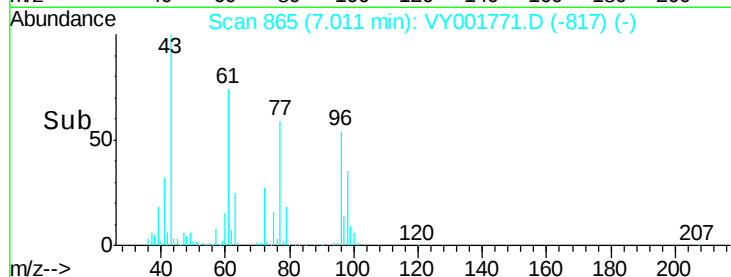
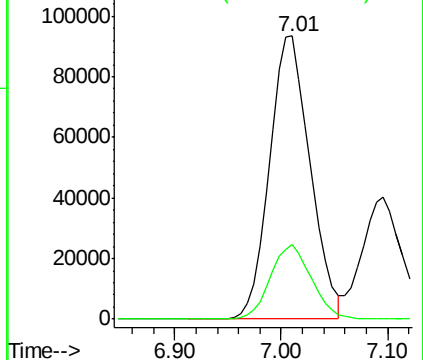
MMDadoda

2/25/2020 10:54:01 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 51.053 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY001771.D

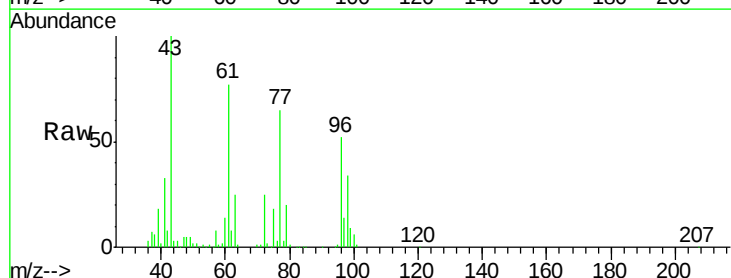
Acq: 24 Feb 2020 17:11

Tgt Ion: 77 Resp: 177727

Ion Ratio Lower Upper

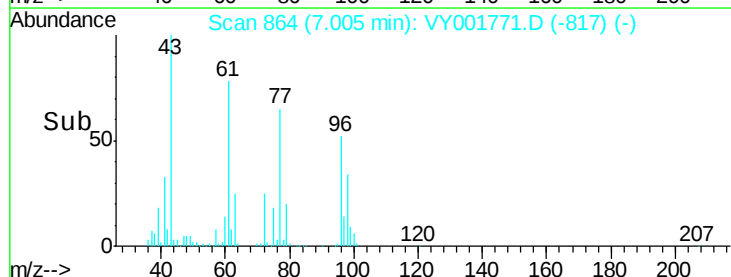
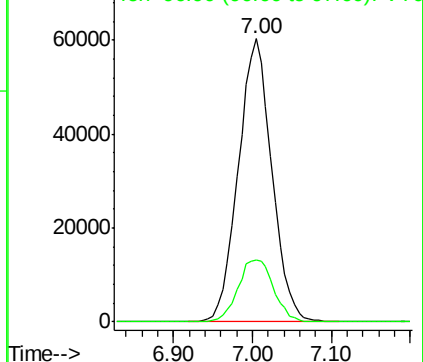
77 100

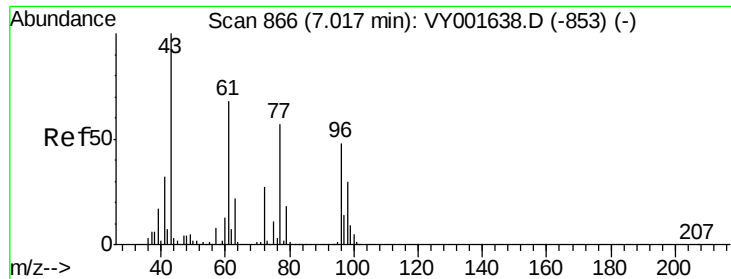
97 23.5 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





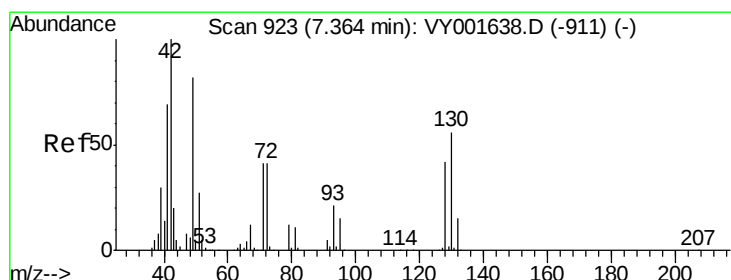
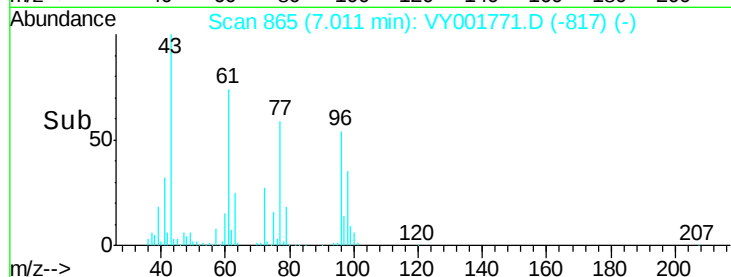
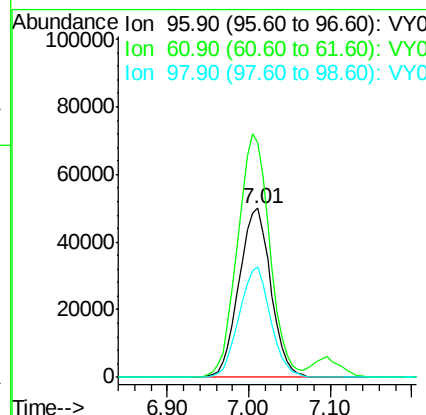
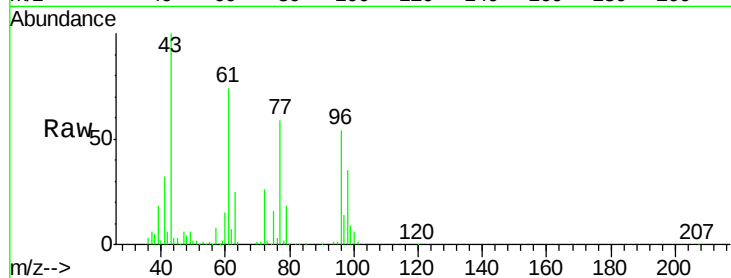
#27
 cis-1,2-Dichloroethene
 Concen: 52.406 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VY001771.D
 Acq: 24 Feb 2020 17:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	145.4	0.0	290.8	
98	64.3	0.0	128.6	

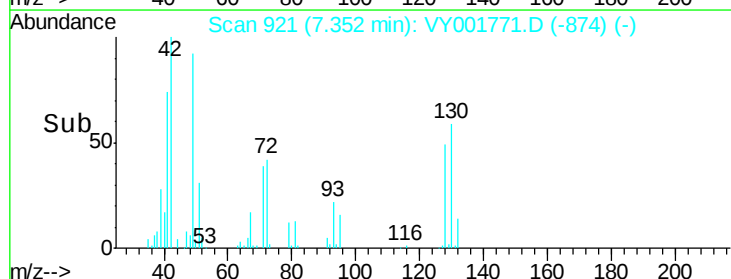
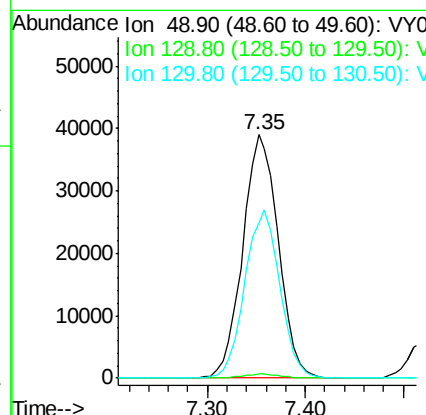
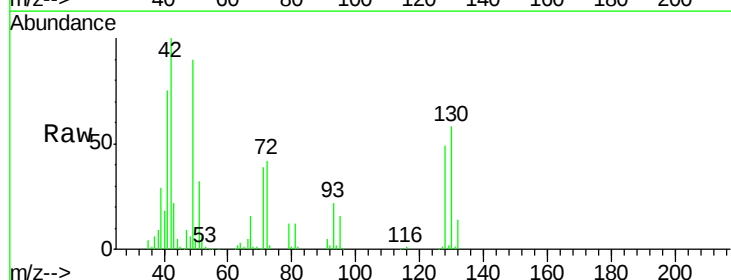
Manual Integrations
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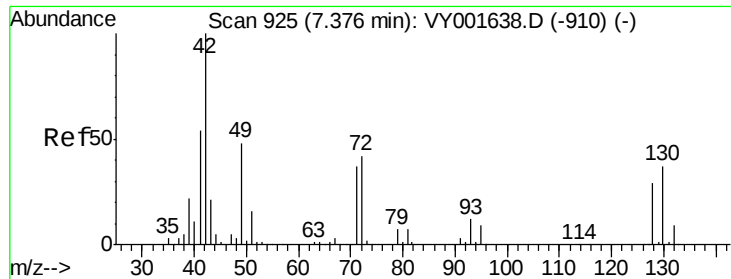
MMDadoda
 2/25/2020 10:54:01 AM



#28
 Bromochloromethane
 Concen: 59.146 ug/l
 RT: 7.35 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: VY001771.D
 Acq: 24 Feb 2020 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.6	
130	68.1	56.2	84.4	





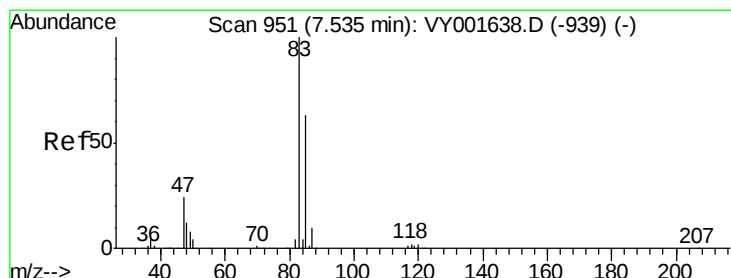
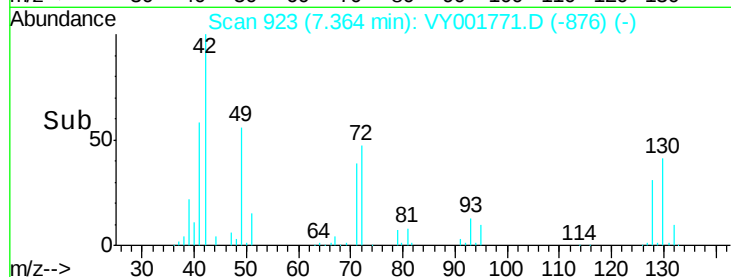
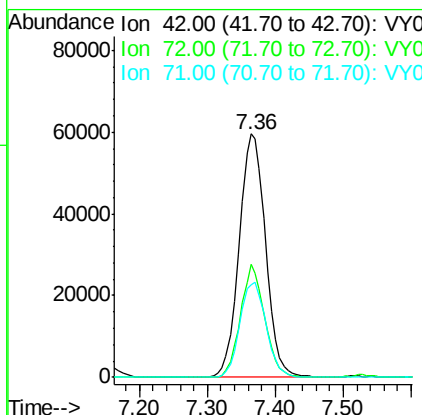
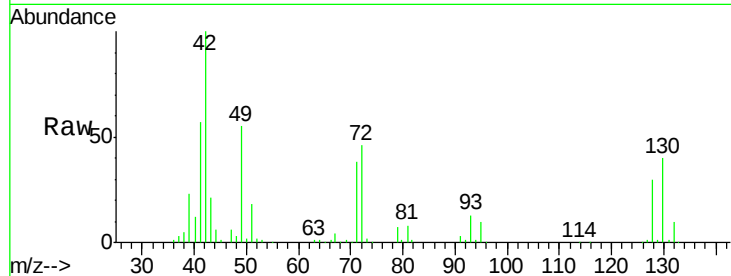
#29
Tetrahydrofuran
Concen: 278.314 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.4	51.6
71	38.7	31.8	47.8

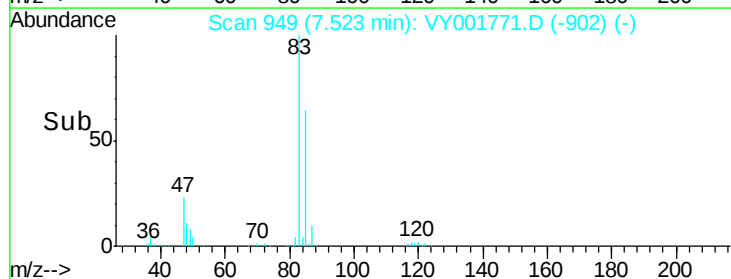
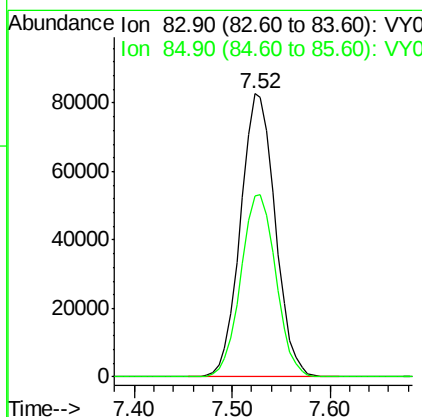
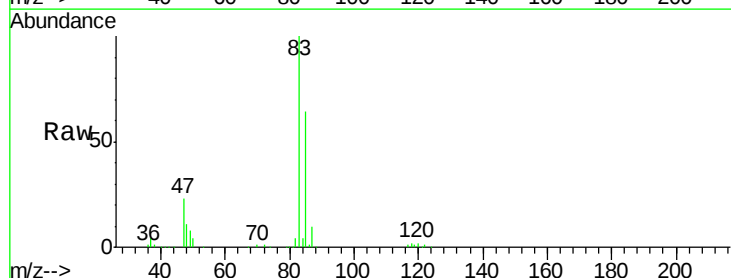
Manual Integrations
APPROVED

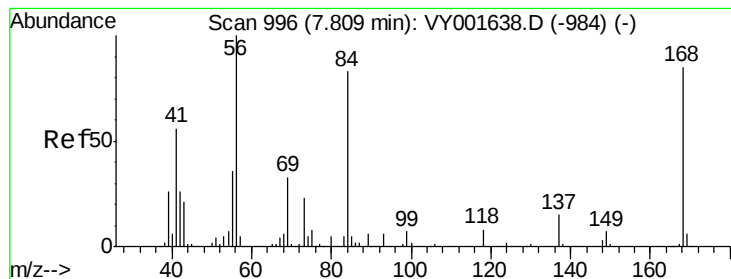
MMDadoda
2/25/2020 10:54:01 AM



#30
Chloroform
Concen: 52.180 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.6	77.4





#31

Cyclohexane

Concen: 49.988 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Instrument :

MSVOA_Y

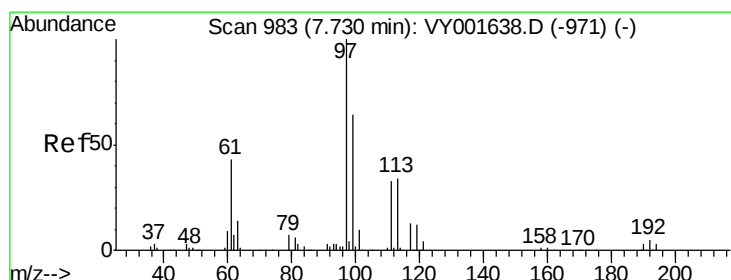
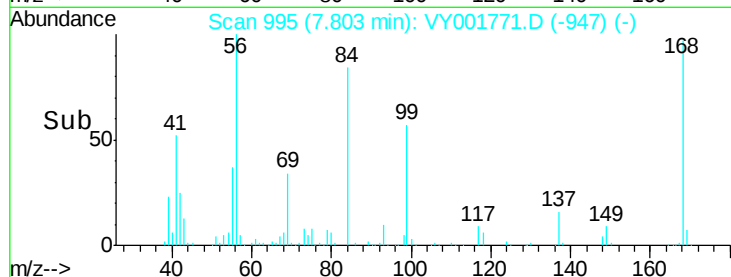
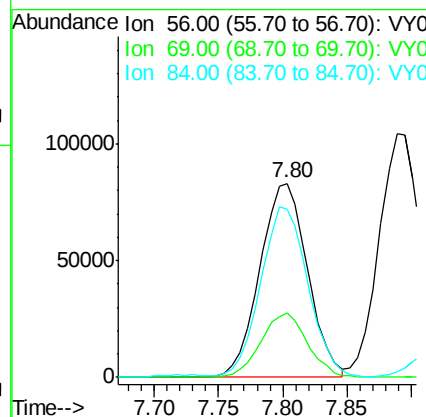
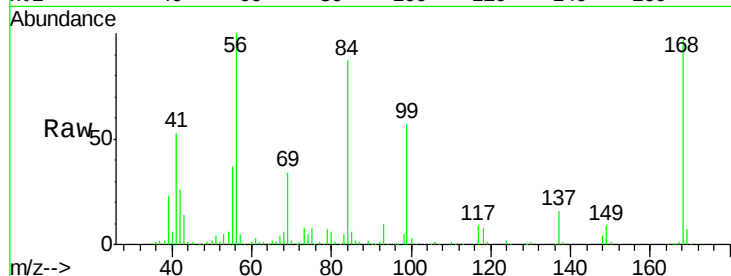
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	213259
Ion Ratio	Lower	Upper	
56	100		
69	33.5	25.1	37.7
84	85.4	66.9	100.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.291 ug/l

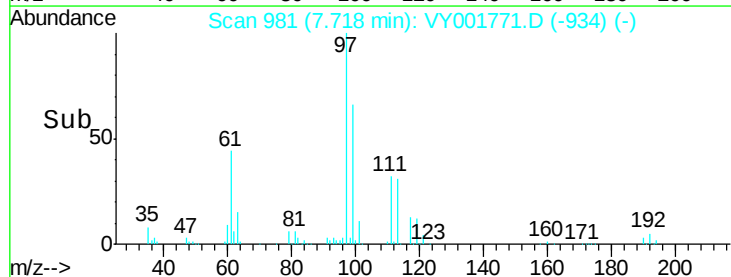
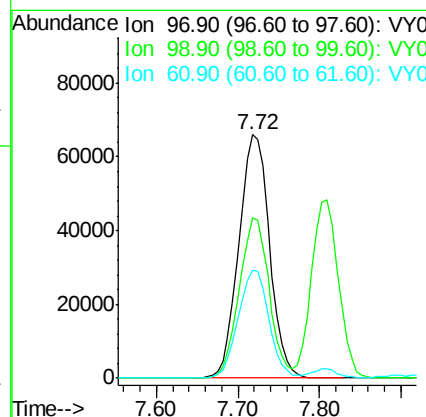
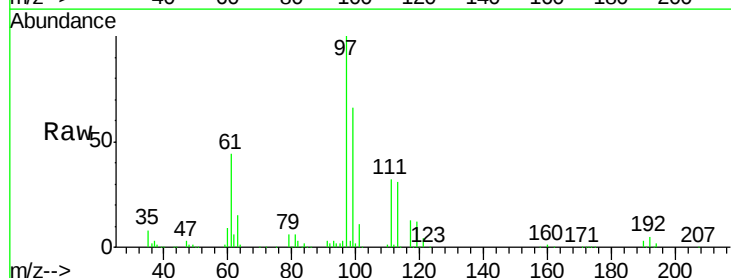
RT: 7.72 min Scan# 981

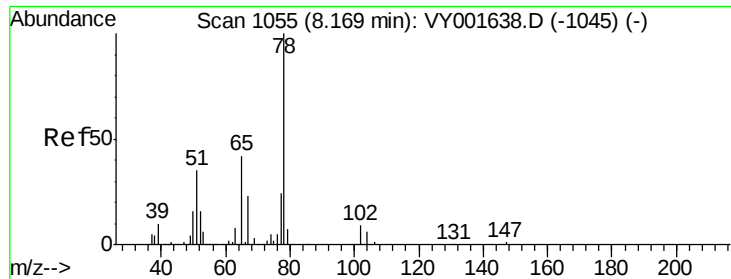
Delta R.T. -0.01 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Tgt Ion:	97	Resp:	171827
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.2	76.8
61	44.1	35.0	52.6





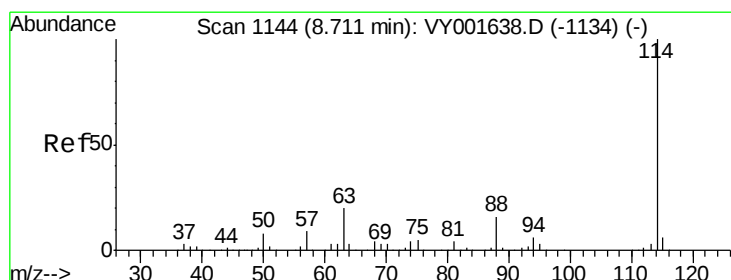
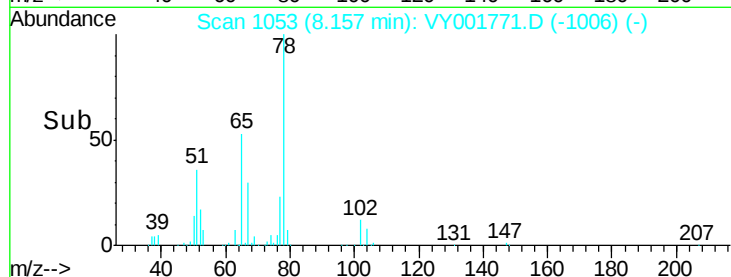
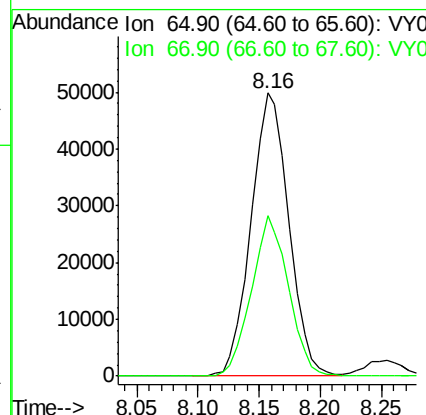
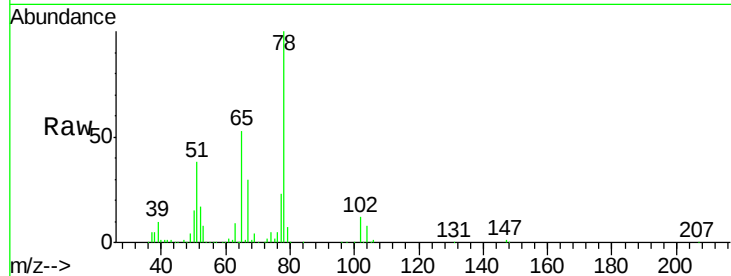
#33
 1,2-Dichloroethane-d4
 Concen: 52.831 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001771.D
 Acq: 24 Feb 2020 17:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 107281
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 111.0

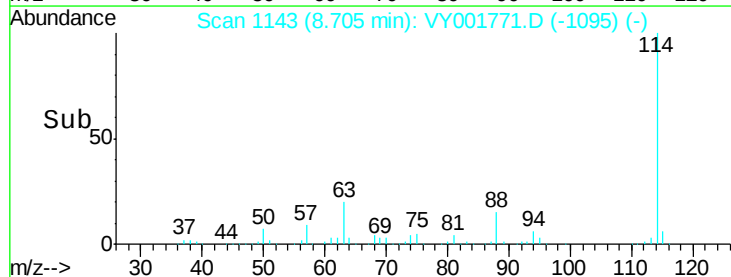
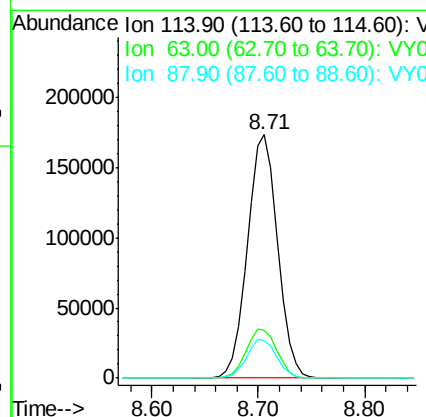
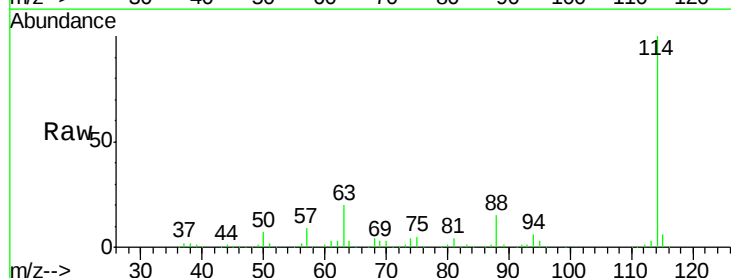
Manual Integrations
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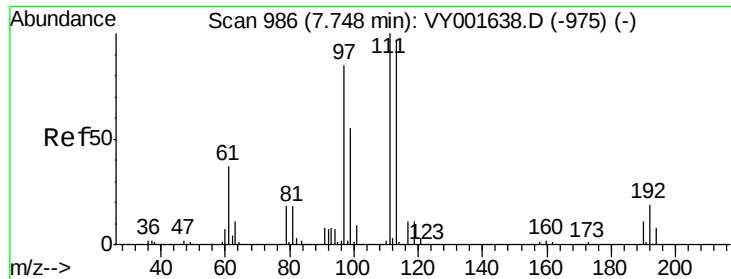
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001771.D
 Acq: 24 Feb 2020 17:11

Tgt Ion: 114 Resp: 344466
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.4
 88 15.4 0.0 32.8





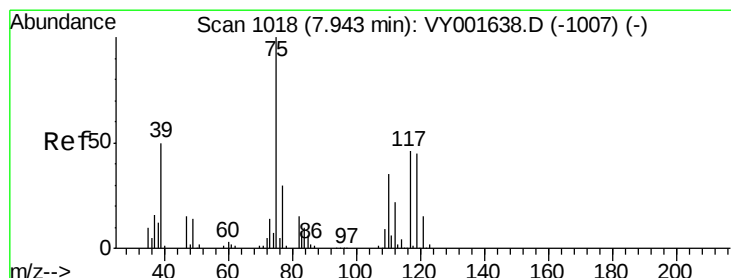
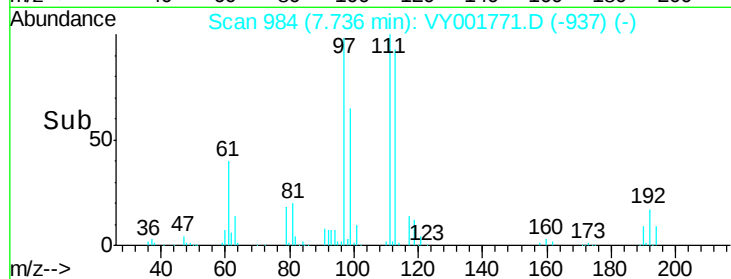
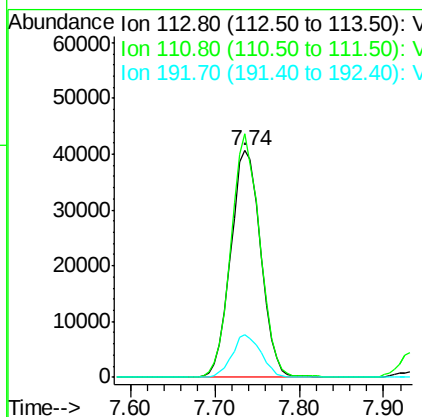
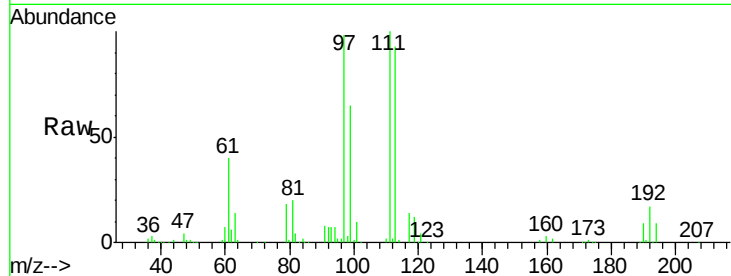
#35
 Dibromofluoromethane
 Concen: 49.686 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY001771.D
 Acq: 24 Feb 2020 17:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	98028		
111	103.3	81.9	122.9	
192	18.0	14.3	21.5	

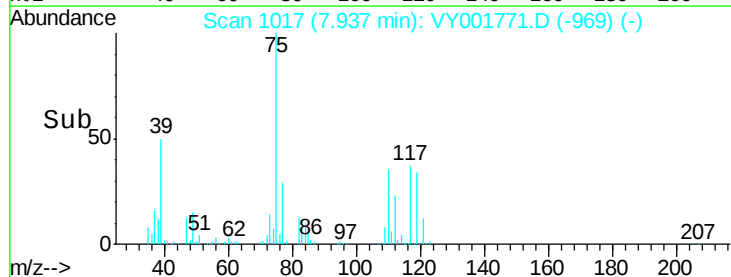
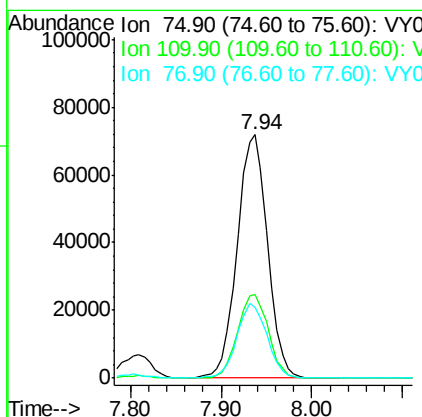
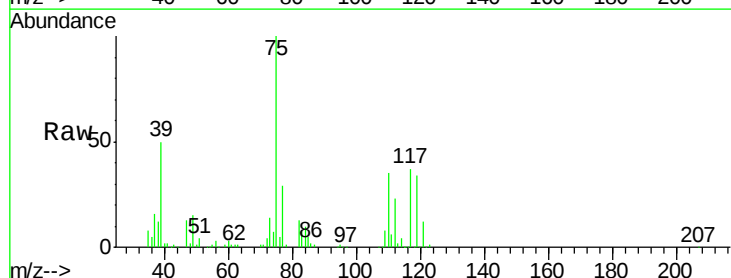
Manual Integrations
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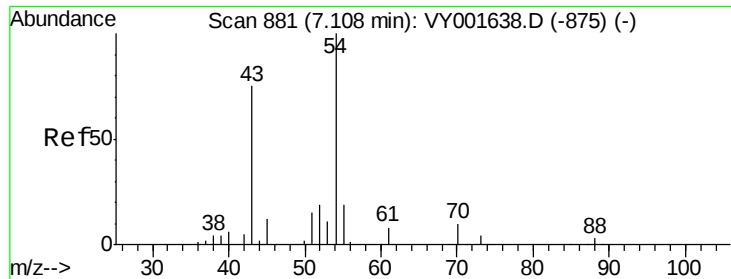
MMDadoda
 2/25/2020 10:54:01 AM



#36
 1,1-Dichloropropene
 Concen: 50.484 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: VY001771.D
 Acq: 24 Feb 2020 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	166108		
110	34.8	17.2	51.6	
77	30.5	24.8	37.2	





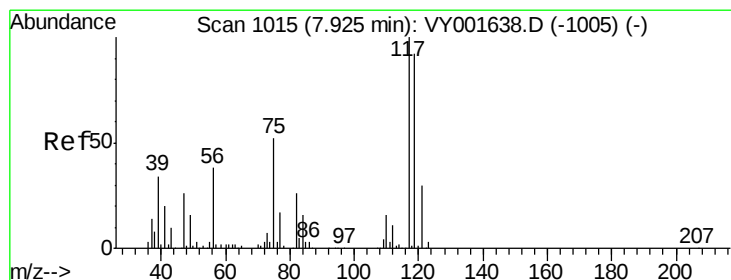
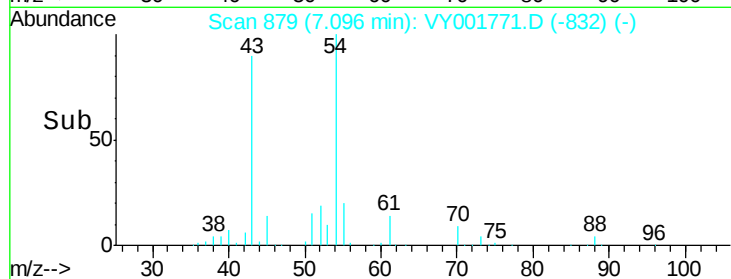
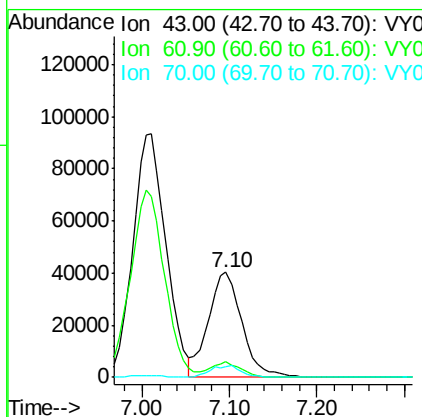
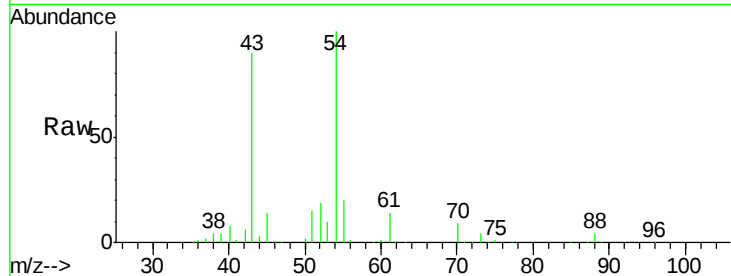
#37
Ethyl Acetate
Concen: 54.630 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.0	16.6
70	10.4	8.8	13.2

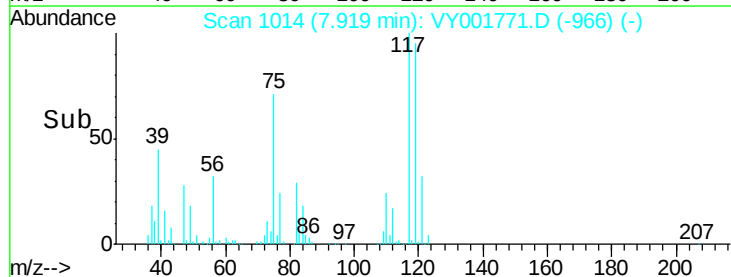
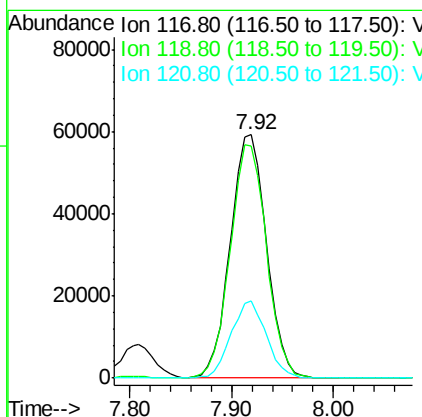
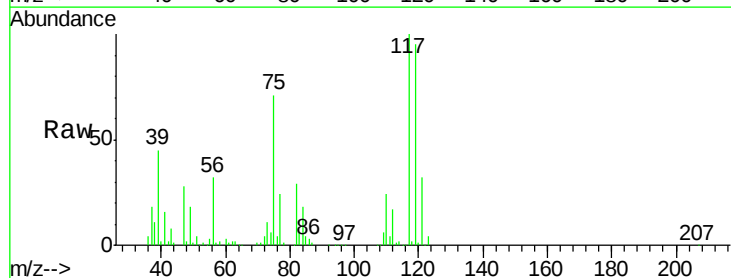
Manual Integrations
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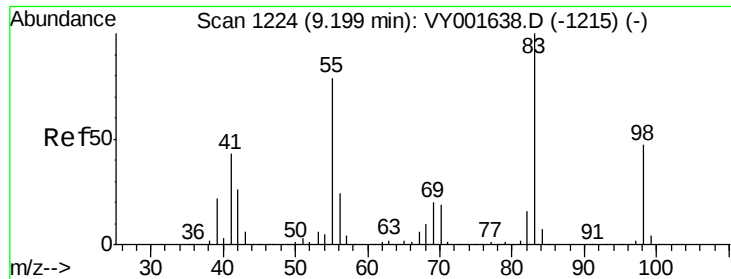
MMDadoda
2/25/2020 10:54:01 AM



#38
Carbon Tetrachloride
Concen: 50.520 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	74.8	112.2
121	31.9	23.8	35.6





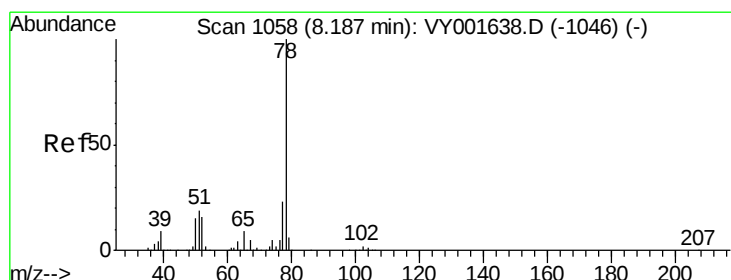
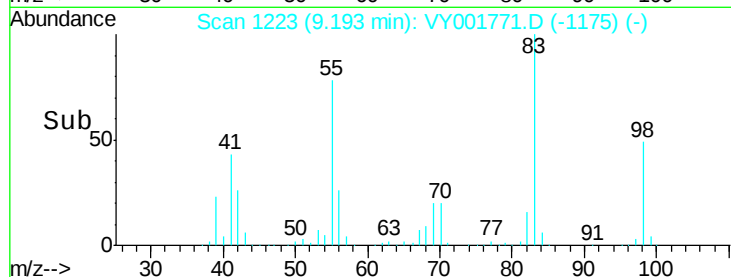
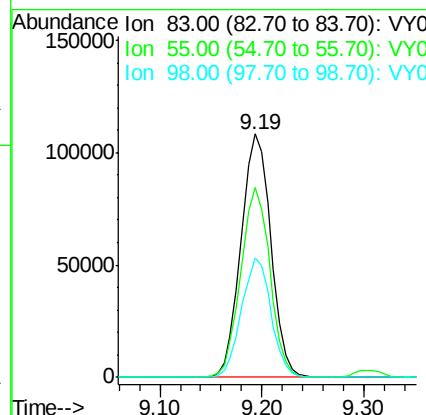
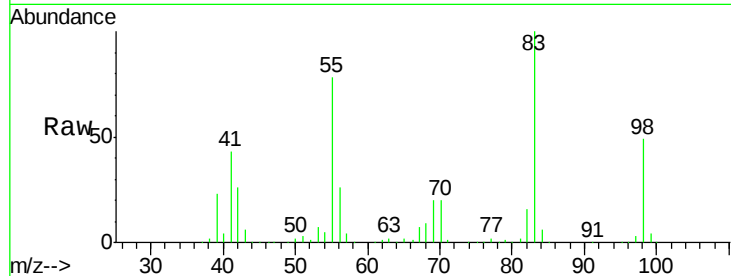
#39
Methvlcvclohexane
Concen: 50.502 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	220447		
55	77.8	61.3	91.9	
98	48.8	38.0	57.0	

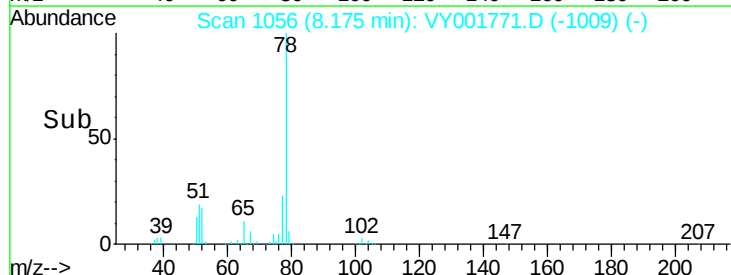
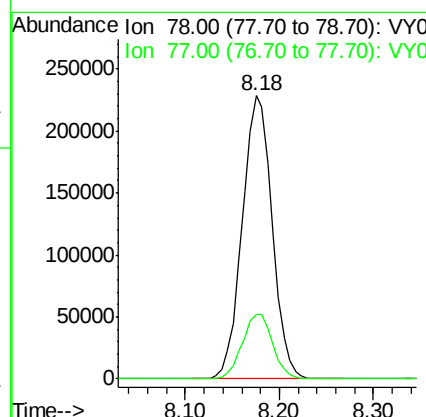
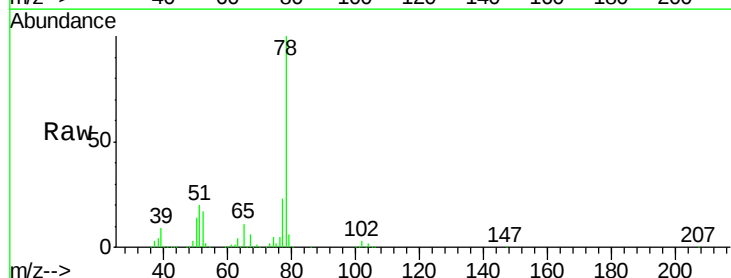
Manual Integrations
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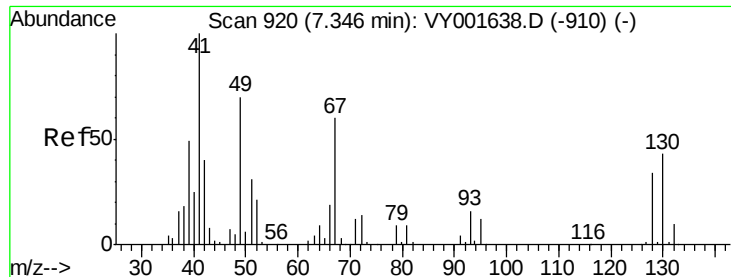
MMDadoda
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#40
Benzene
Concen: 52.267 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	505789		
77	22.9	18.2	27.4	





#41

Methacrylonitrile

Concen: 55.096 ug/l m

RT: 7.34 min Scan# 919

Delta R.T. -0.01 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 54328

Ion Ratio Lower Upper

41 100

39 0.0 36.0 54.0#

67 0.0 0.0 0.0

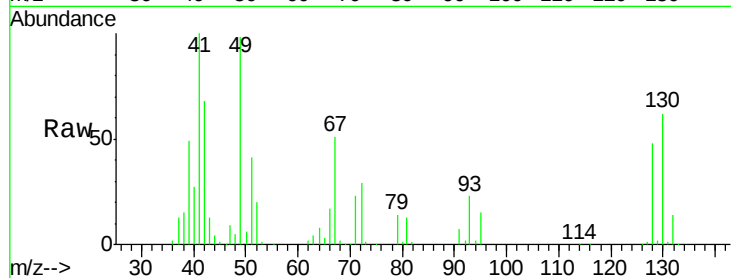
52 0.0 0.0 0.0

Manual Integrations

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MMDadoda

2/25/2020 10:54:01 AM

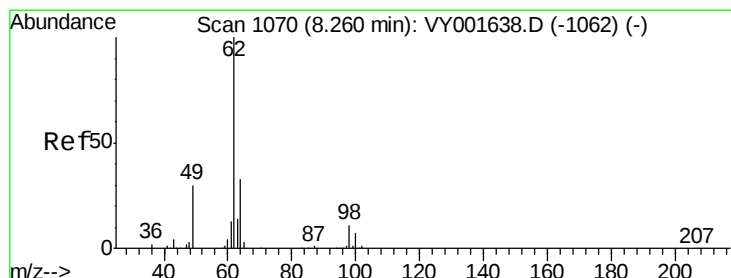
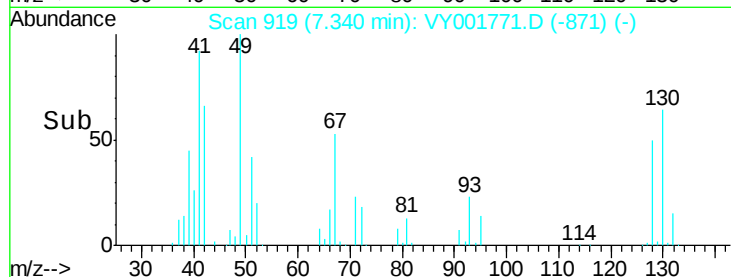
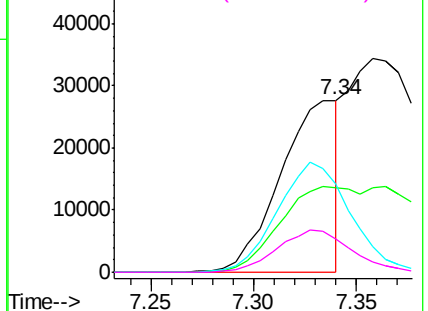


Abundance Ion 41.00 (40.70 to 41.70): VY001638.D (-910) (-)

Ion 39.00 (38.70 to 39.70): VY001638.D (-910) (-)

Ion 67.00 (66.70 to 67.70): VY001638.D (-910) (-)

Ion 52.00 (51.70 to 52.70): VY001638.D (-910) (-)



#42

1,2-Dichloroethane

Concen: 50.872 ug/l

RT: 8.25 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VY001771.D

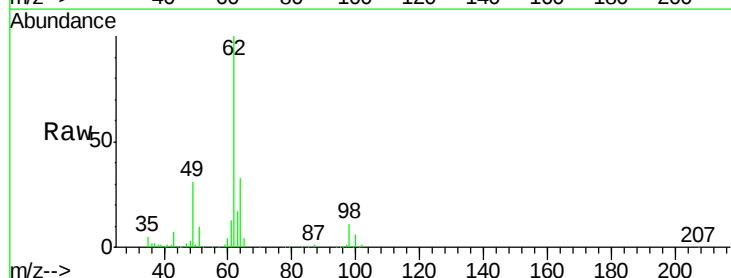
Acq: 24 Feb 2020 17:11

Tgt Ion: 62 Resp: 134114

Ion Ratio Lower Upper

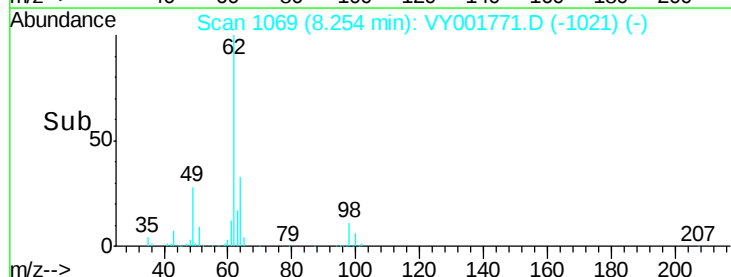
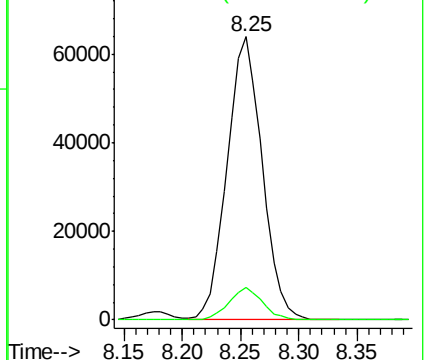
62 100

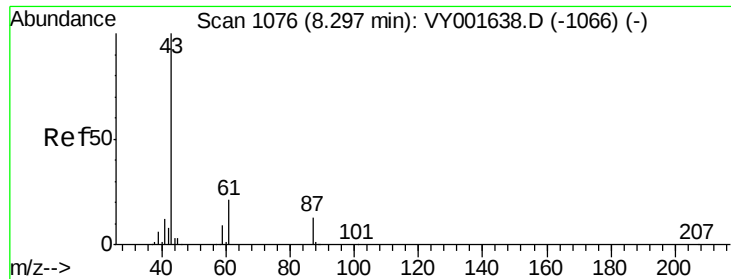
98 10.9 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VY001638.D (-1062) (-)

Ion 97.90 (97.60 to 98.60): VY001638.D (-1062) (-)





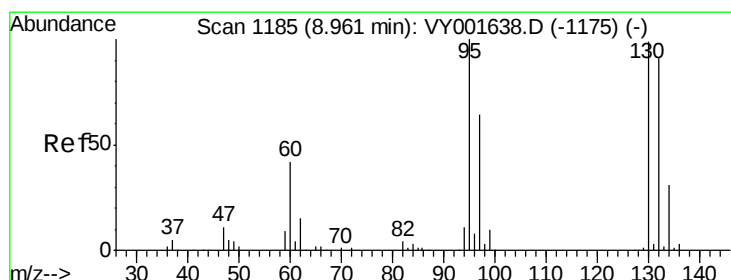
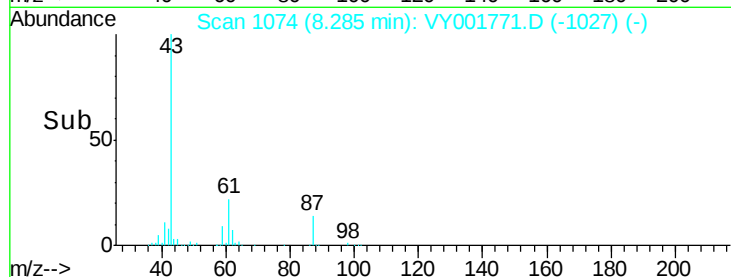
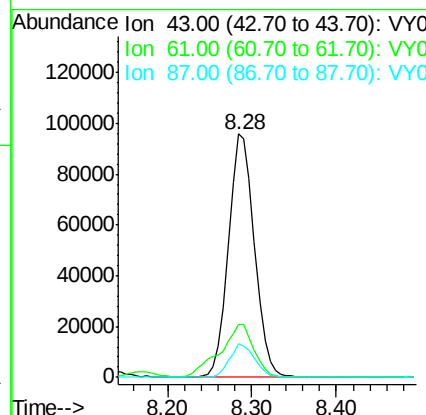
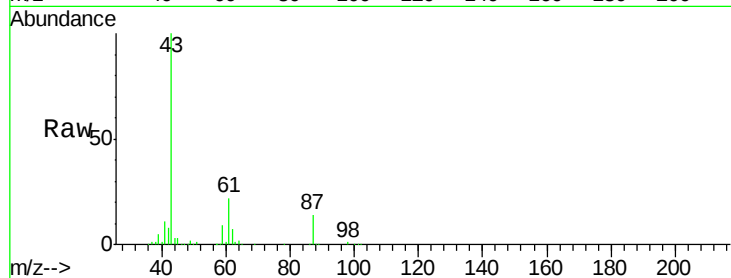
#43
Isopropyl Acetate
Concen: 54.192 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100	201926		
61	28.6		23.0	34.4
87	13.3		10.7	16.1

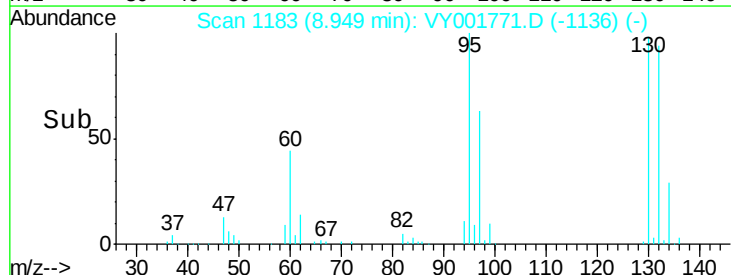
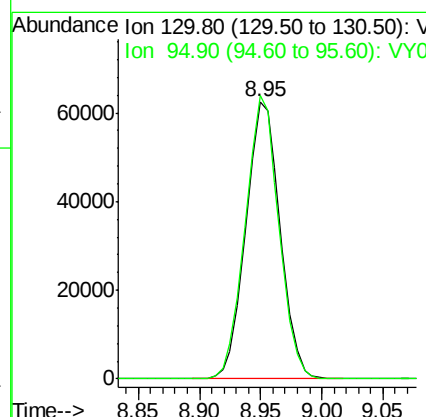
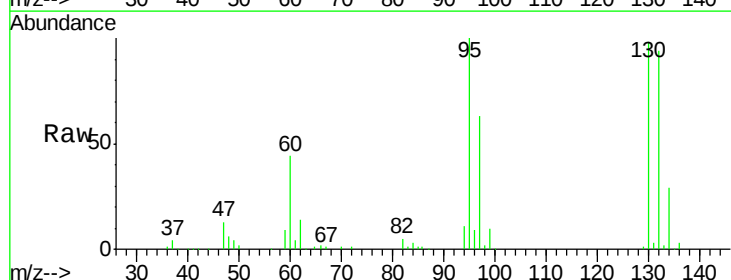
Manual Integrations
APPROVED

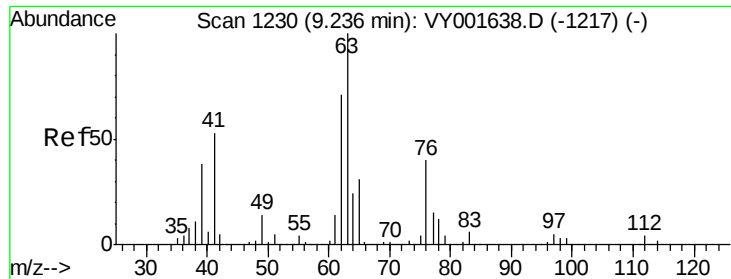
MMDadoda
2/25/2020 10:54:01 AM



#44
Trichloroethene
Concen: 50.334 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	121592		
95	102.0		0.0	200.6





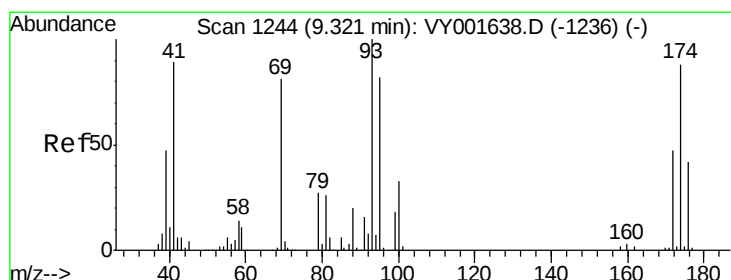
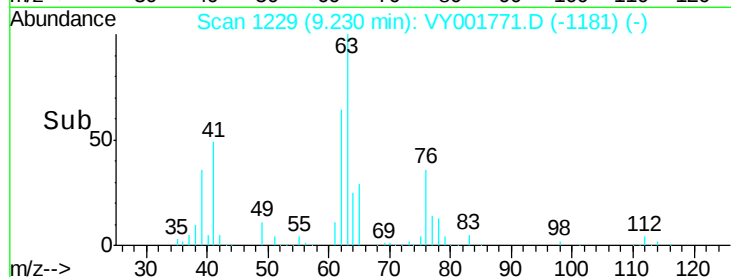
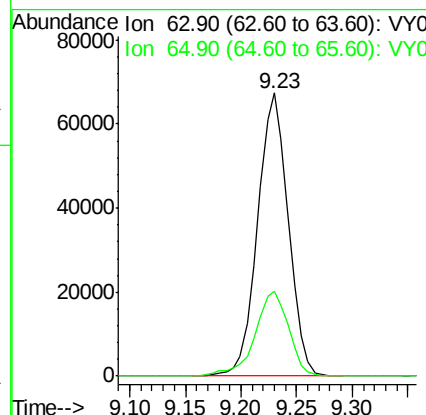
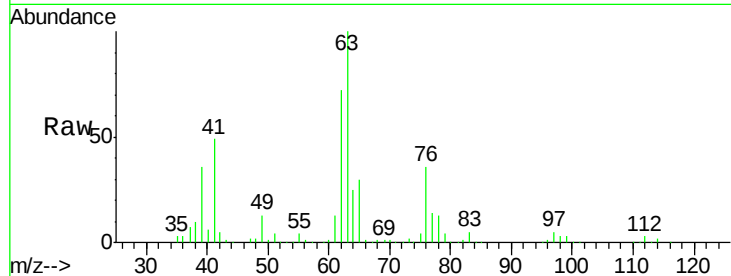
#45
 1,2-Dichloropropane
 Concen: 53.496 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY001771.D
 Acq: 24 Feb 2020 17:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.6	37.0

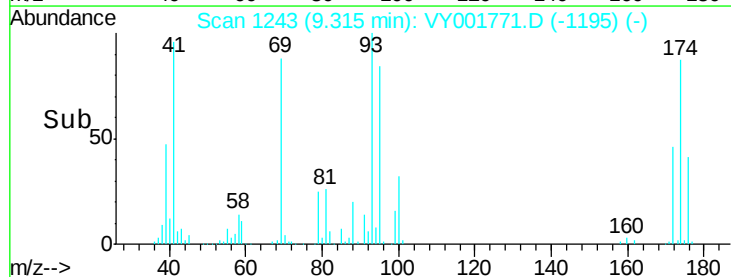
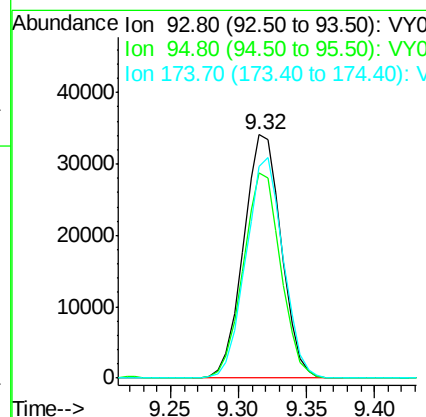
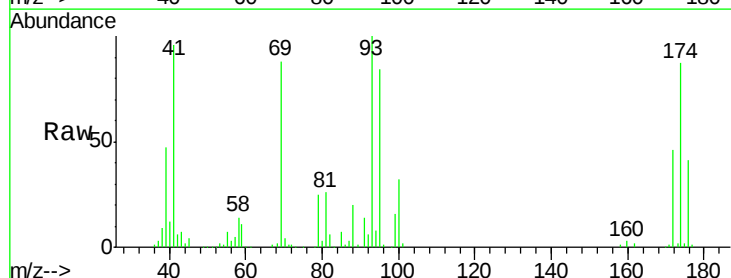
Manual Integrations
 APPROVED

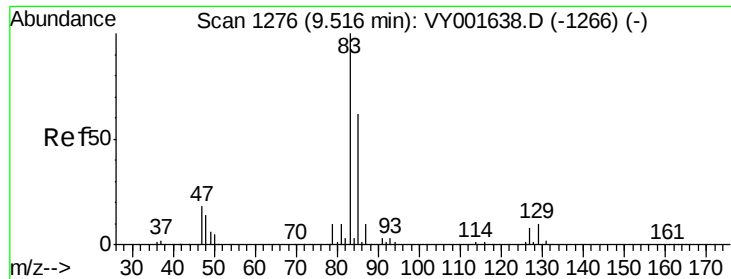
MMDadoda
 2/25/2020 10:54:01 AM



#46
 Dibromomethane
 Concen: 52.236 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY001771.D
 Acq: 24 Feb 2020 17:11

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.1	99.1
174	89.3	72.5	108.7





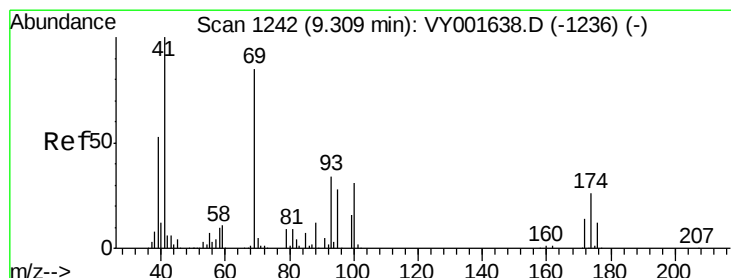
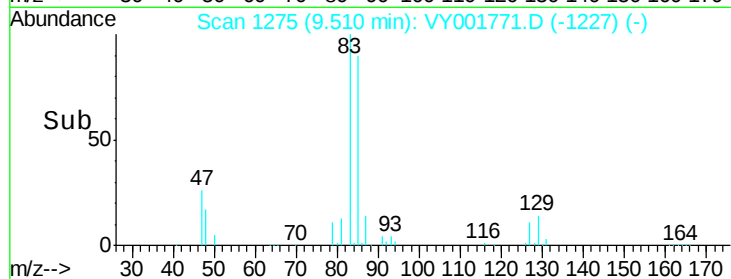
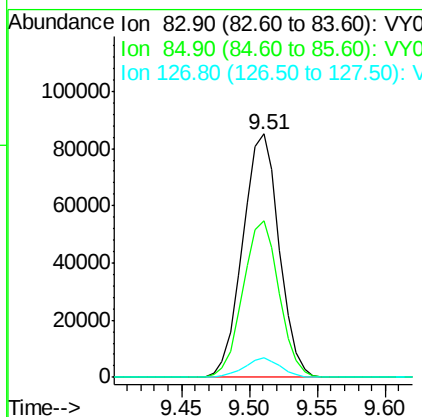
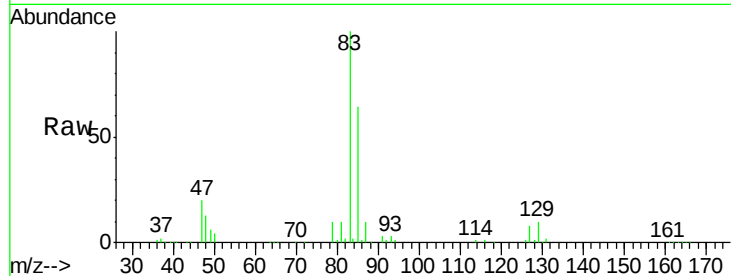
#47
Bromodichloromethane
Concen: 52.151 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	159544		
85	64.4		51.4	77.0
127	8.1		6.4	9.6

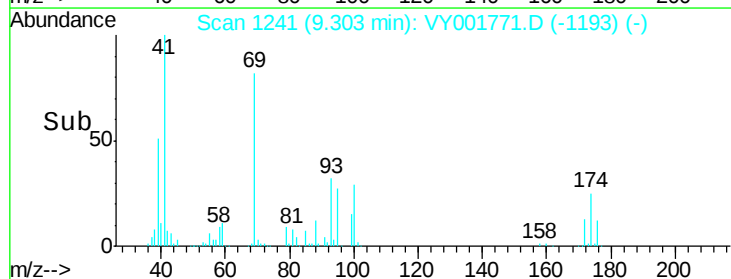
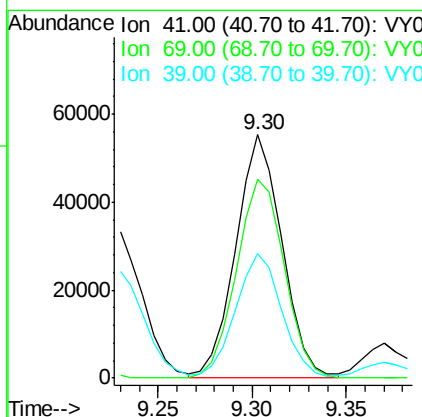
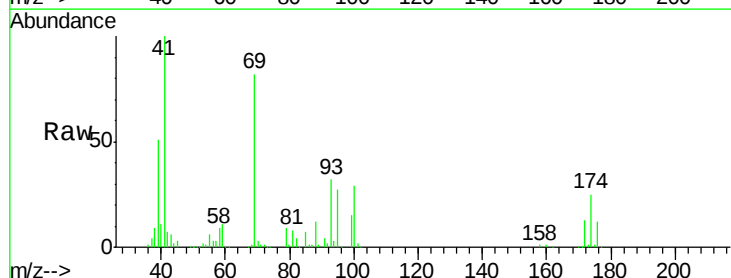
Manual Integrations
APPROVED

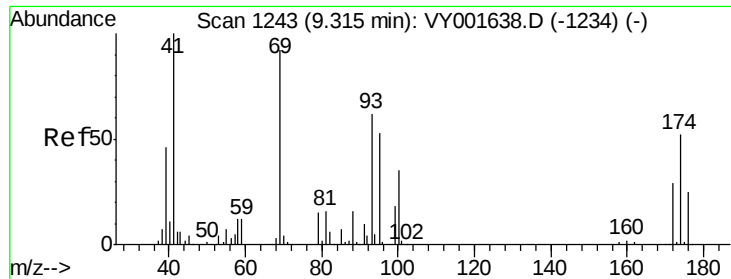
MMDadoda
2/25/2020 10:54:01 AM



#48
Methyl methacrylate
Concen: 55.854 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	94123		
69	84.7		70.7	106.1
39	51.5		42.2	63.2





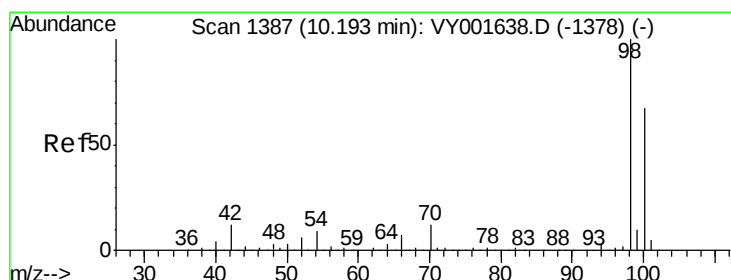
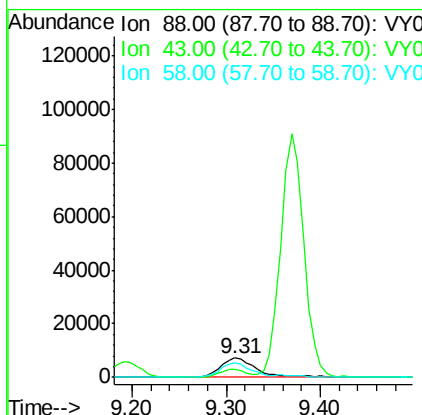
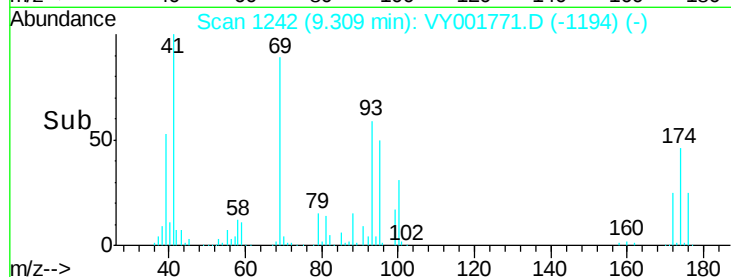
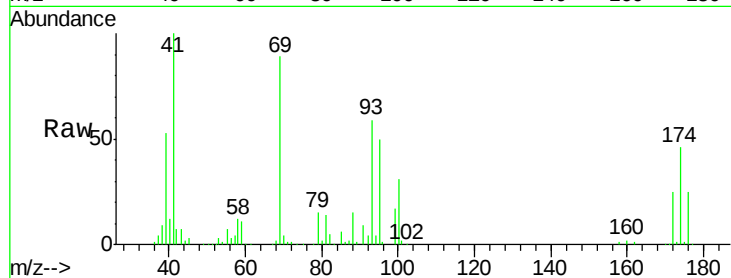
#49
1,4-Dioxane
Concen: 1067.565 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	19113
Ion	Ratio	Lower	Upper
88	100		
43	33.3	23.1	34.7
58	65.2	58.1	87.1

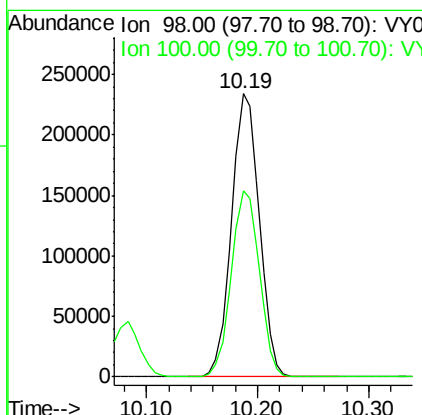
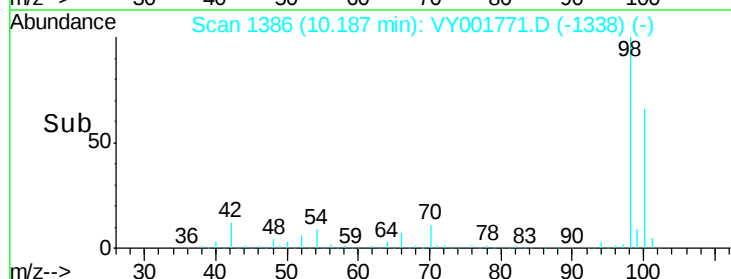
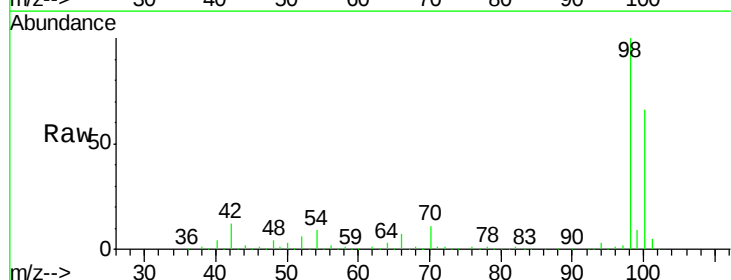
Manual Integrations
APPROVED

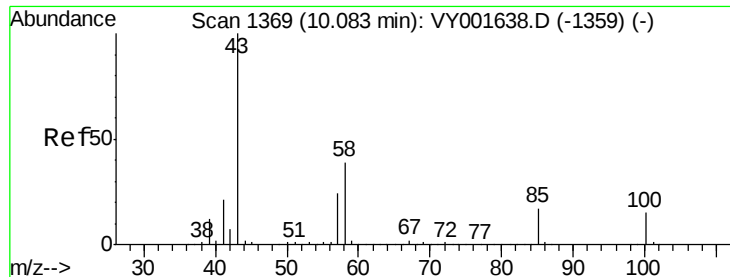
MMDadoda
2/25/2020 10:54:01 AM



#50
Toluene-d8
Concen: 52.296 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Tgt Ion	98	Resp	404221
Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 272.390 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 521472

Ion Ratio Lower Upper

43 100

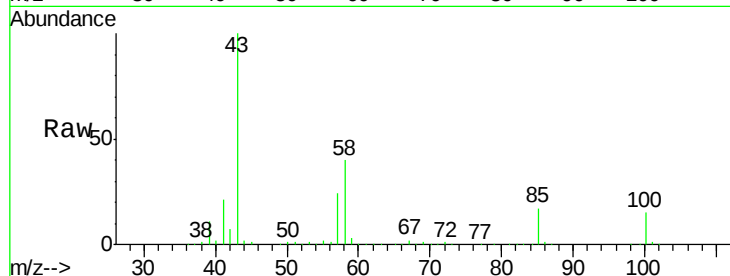
58 39.6 32.2 48.4

Manual Integrations

APPROVED

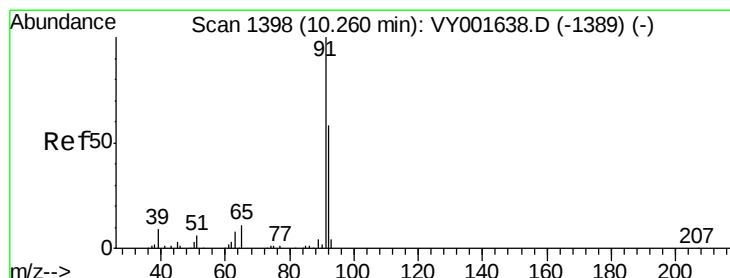
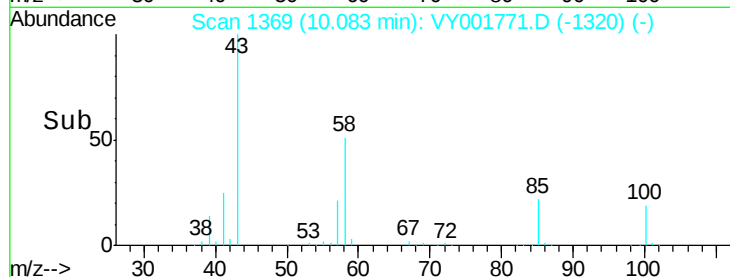
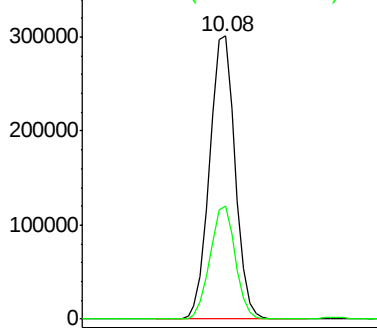
MMDadoda

2/25/2020 10:54:01 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 50.729 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001771.D

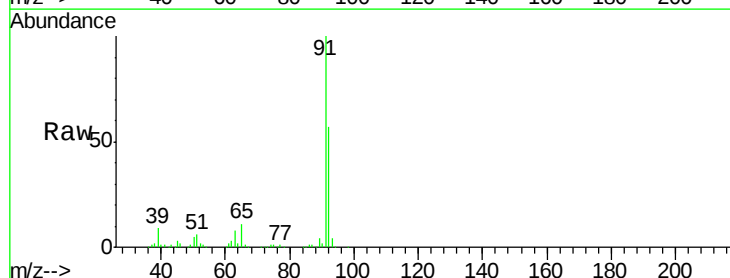
Acq: 24 Feb 2020 17:11

Tgt Ion: 92 Resp: 306213

Ion Ratio Lower Upper

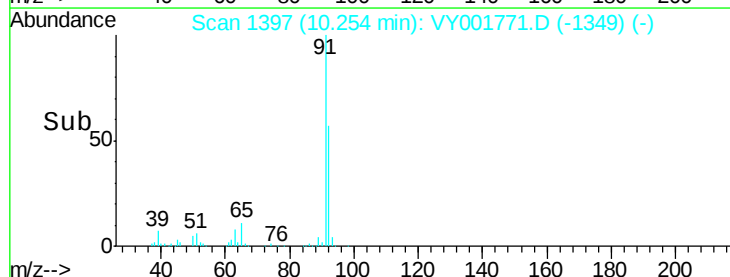
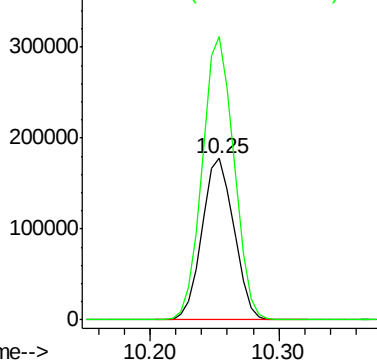
92 100

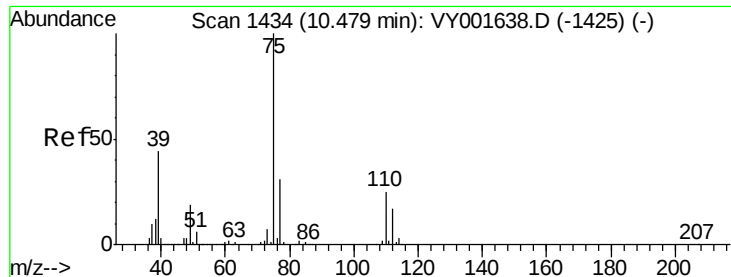
91 173.5 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





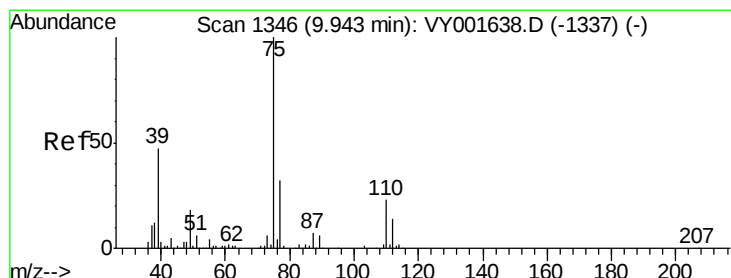
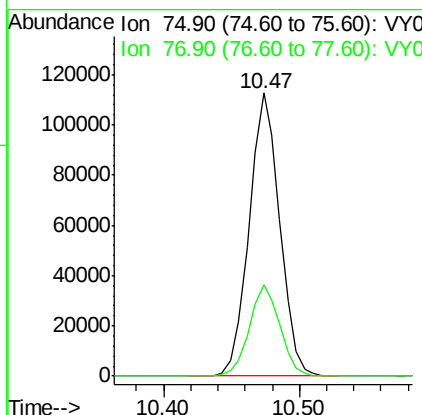
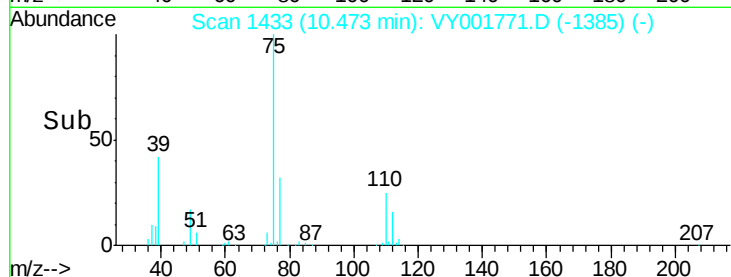
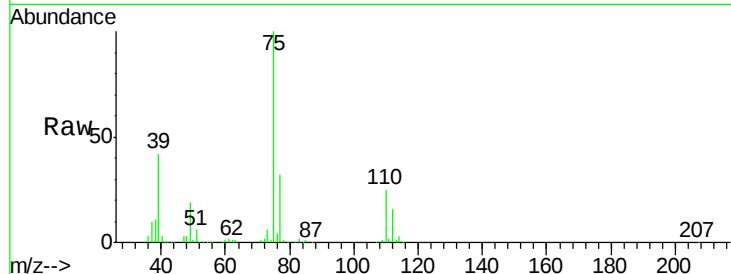
#53
t-1,3-Dichloropropene
Concen: 52.431 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 177324
Ion Ratio Lower Upper
75 100
77 32.2 25.2 37.8

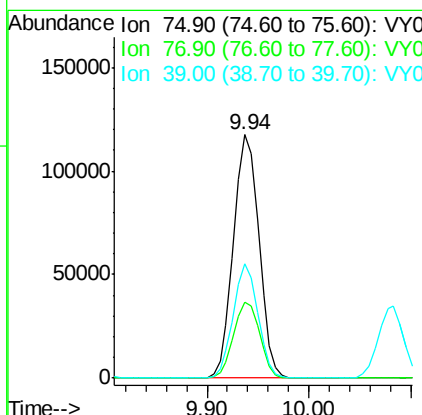
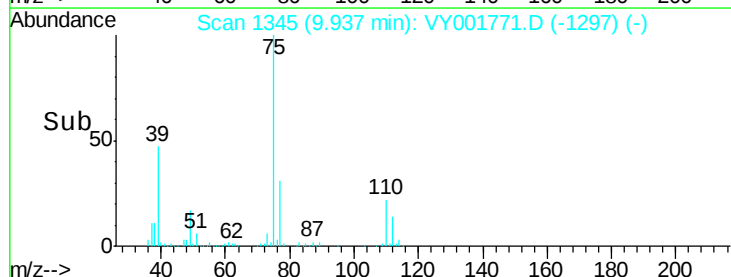
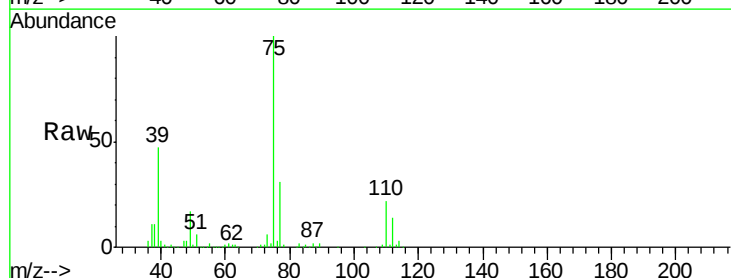
Manual Integrations
APPROVED

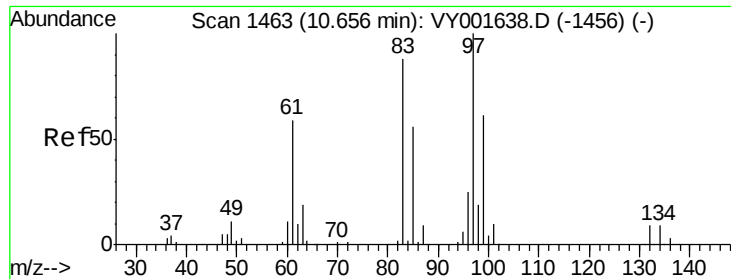
MMDadoda
2/25/2020 10:54:01 AM



#54
cis-1,3-Dichloropropene
Concen: 52.306 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Tgt Ion: 75 Resp: 203605
Ion Ratio Lower Upper
75 100
77 31.3 25.7 38.5
39 46.7 35.7 53.5





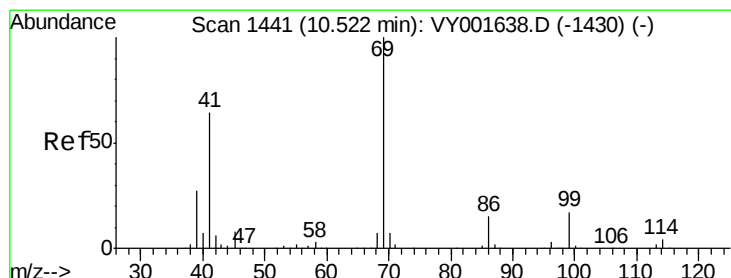
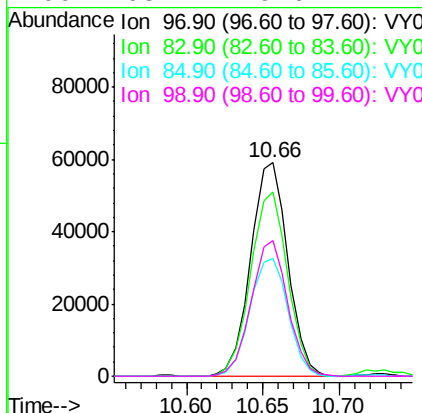
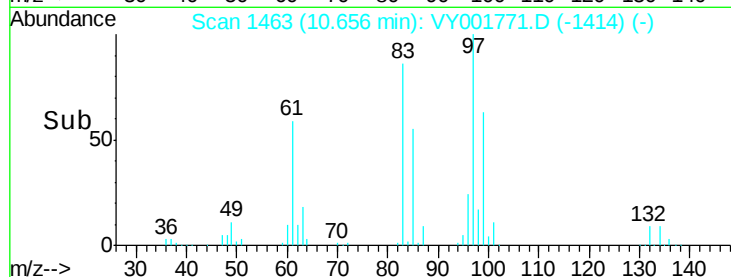
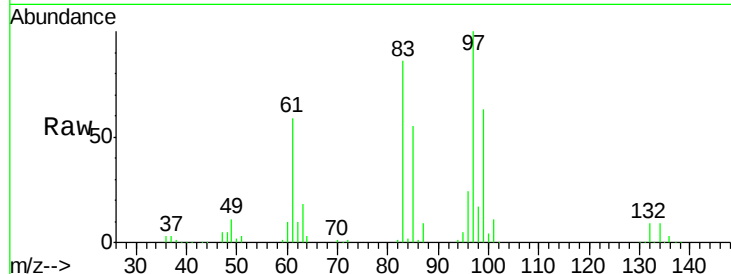
#55
1,1,2-Trichloroethane
Concen: 53.376 ug/l
RT: 10.66 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:	97	Resp:	99765
Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.7	104.5
85	54.9	44.5	66.7
99	63.4	49.6	74.4

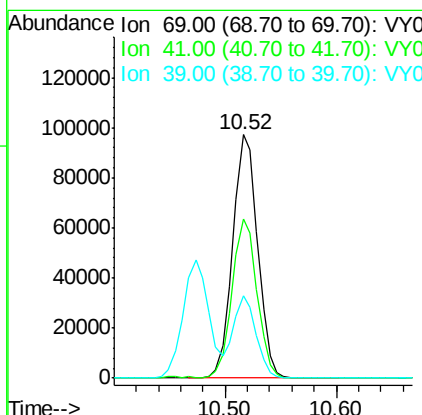
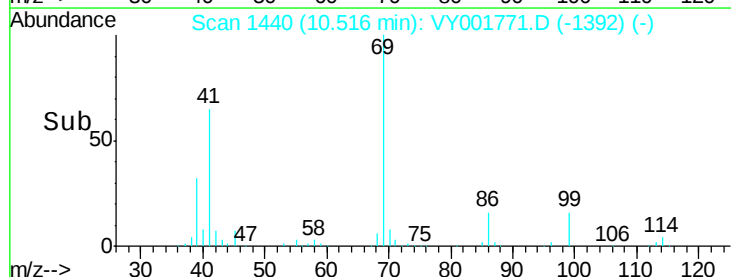
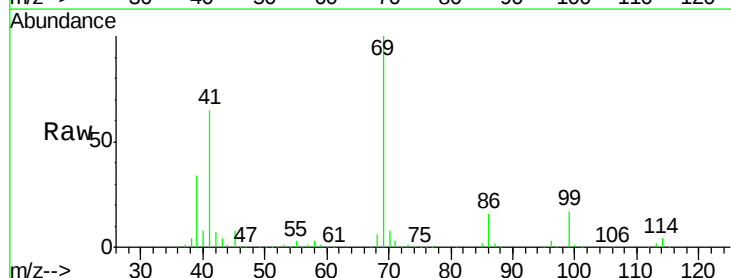
Manual Integrations
APPROVED

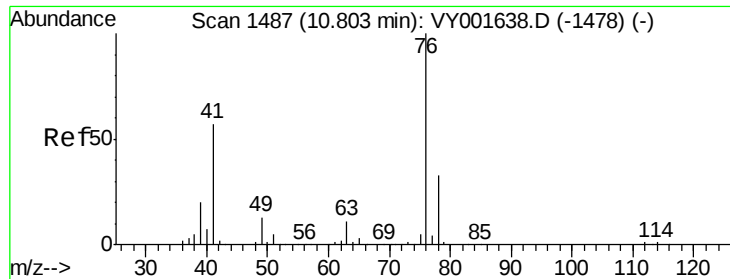
MMDadoda
2/25/2020 10:54:01 AM



#56
Ethyl methacrylate
Concen: 53.793 ug/l
RT: 10.52 min Scan# 1440
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Tgt Ion:	69	Resp:	150834
Ion	Ratio	Lower	Upper
69	100		
41	64.9	51.0	76.4
39	30.8	24.7	37.1





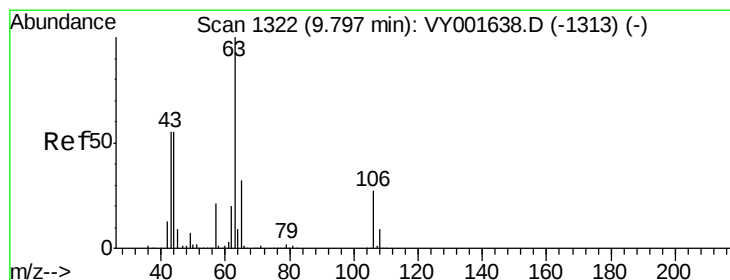
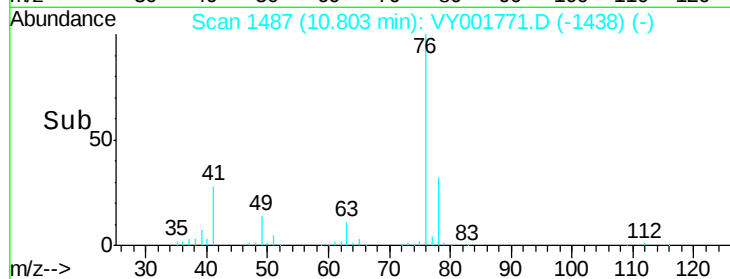
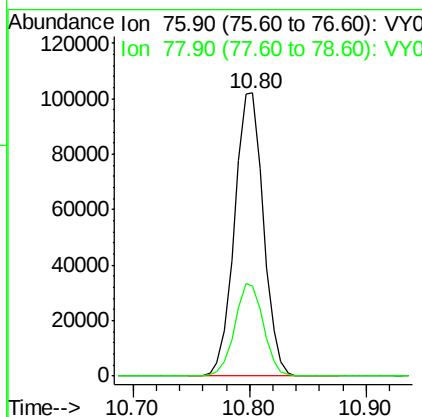
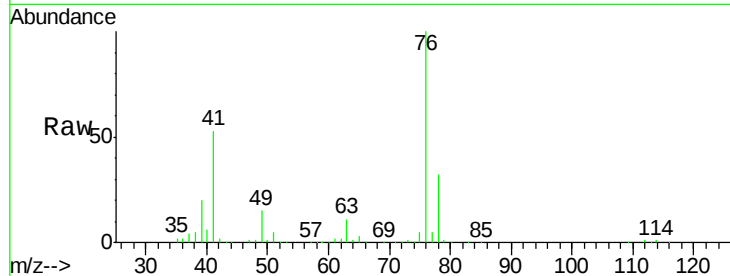
#57
 1,3-Dichloropropane
 Concen: 53.166 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY001771.D
 Acq: 24 Feb 2020 17:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 176567
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5

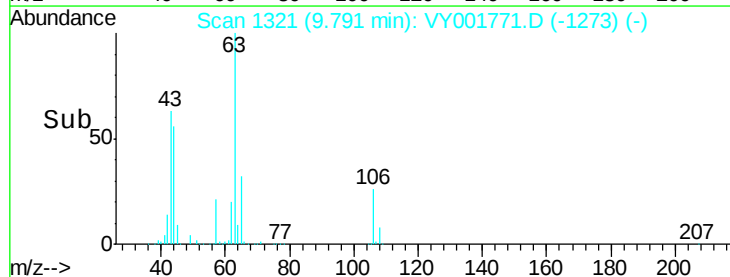
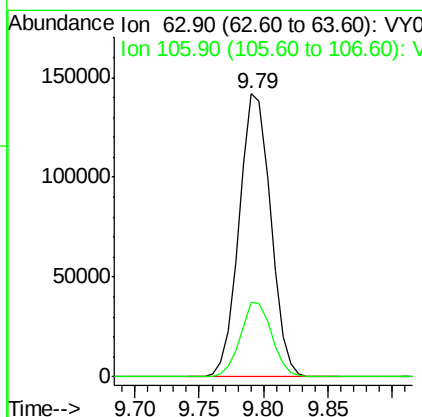
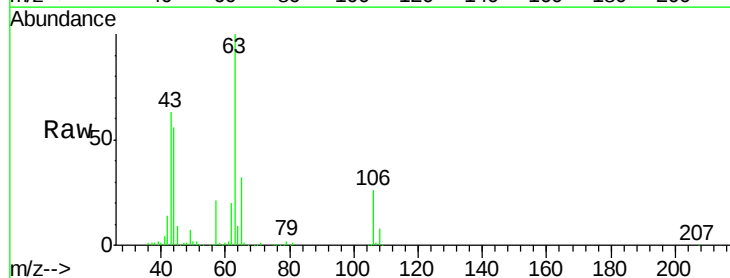
Manual Integrations
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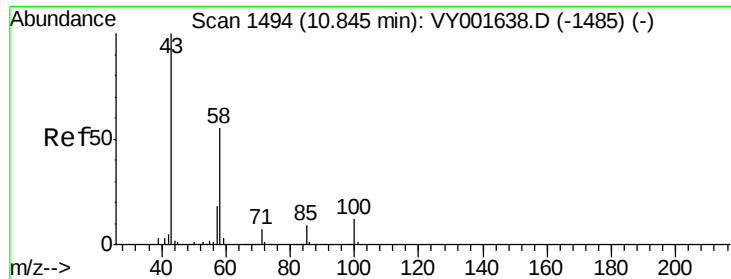
MMDadoda
 2/25/2020 10:54:01 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 226.131 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY001771.D
 Acq: 24 Feb 2020 17:11

Tgt Ion: 63 Resp: 240384
 Ion Ratio Lower Upper
 63 100
 106 26.2 21.6 32.4





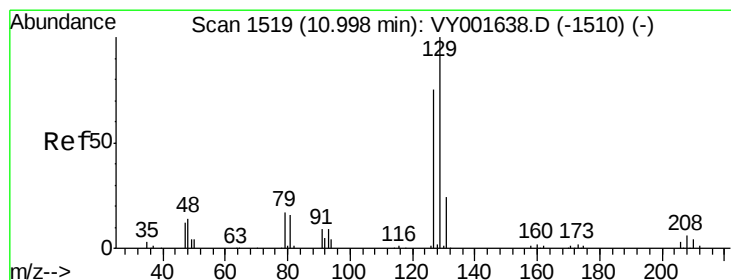
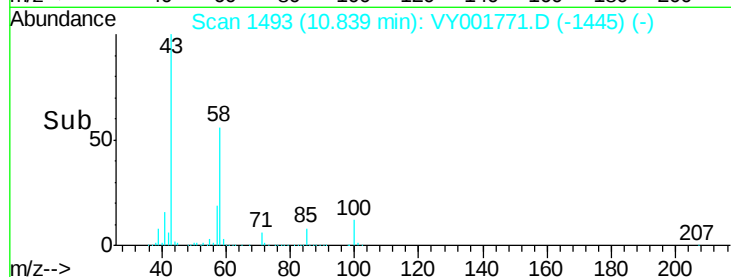
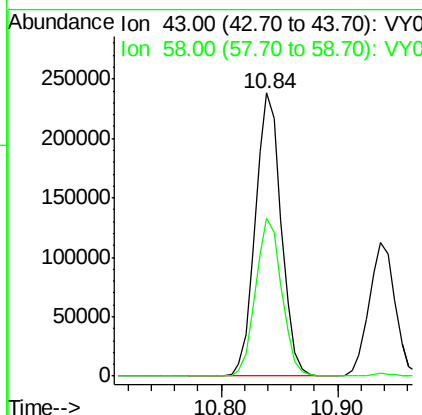
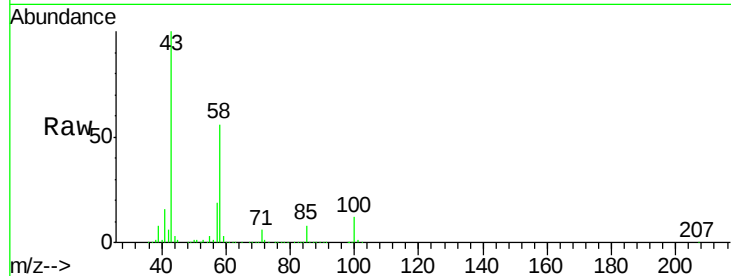
#59
2-Hexanone
Concen: 257.720 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 370197
Ion Ratio Lower Upper
43 100
58 56.1 28.4 85.2

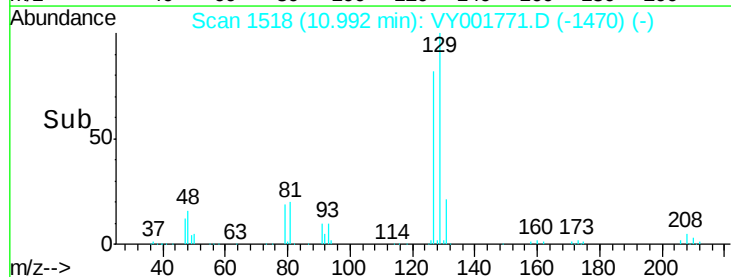
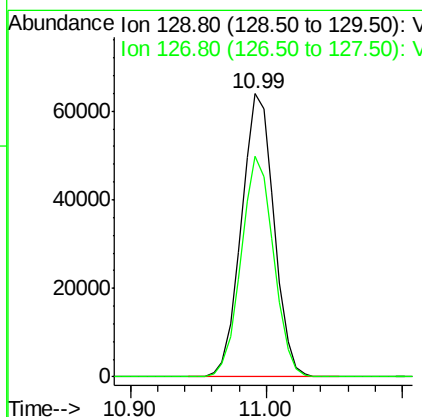
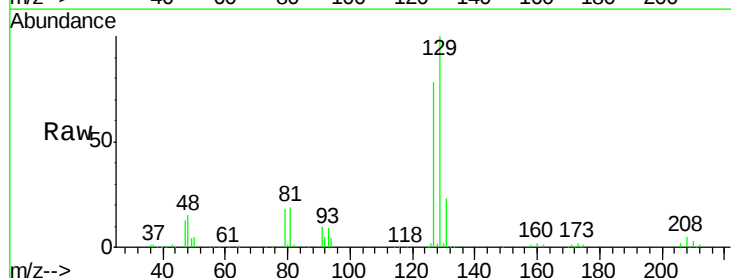
Manual Integrations
APPROVED

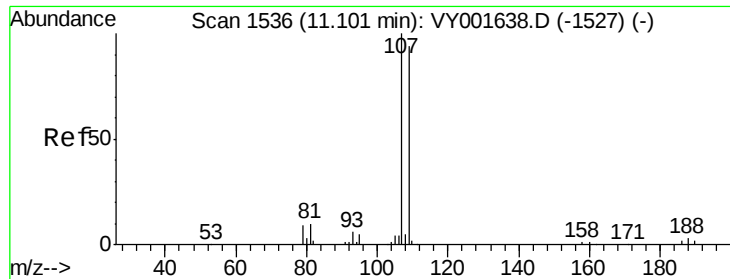
MMDadoda
2/25/2020 10:54:01 AM



#60
Dibromochloromethane
Concen: 51.925 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Tgt Ion: 129 Resp: 107001
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6





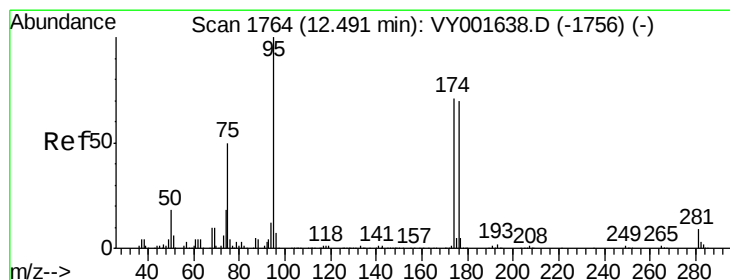
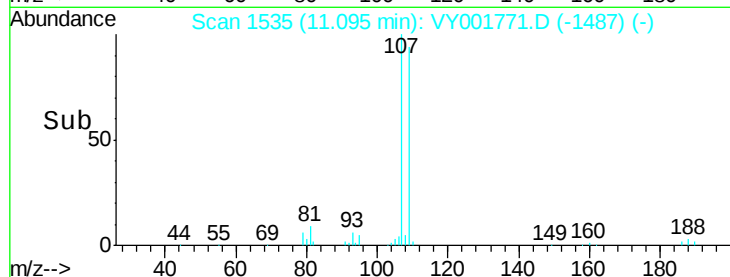
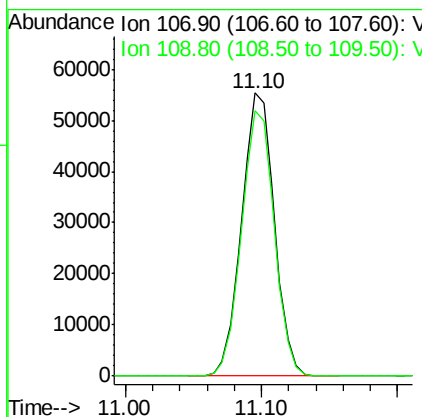
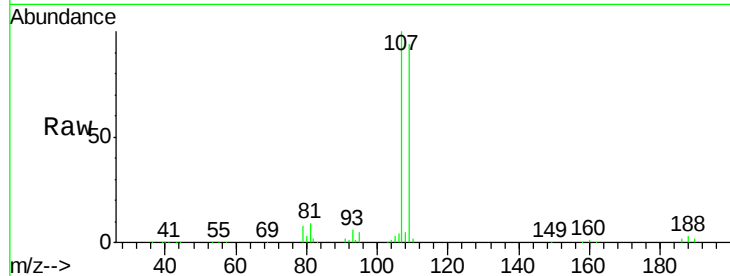
#61
 1,2-Dibromoethane
 Concen: 52.709 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY001771.D
 Acq: 24 Feb 2020 17:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	74.2	111.4

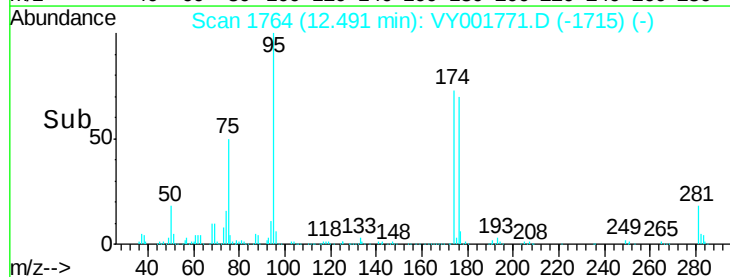
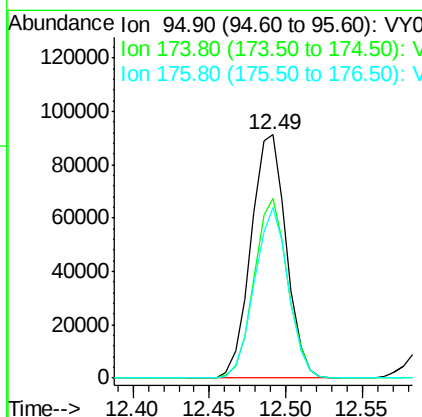
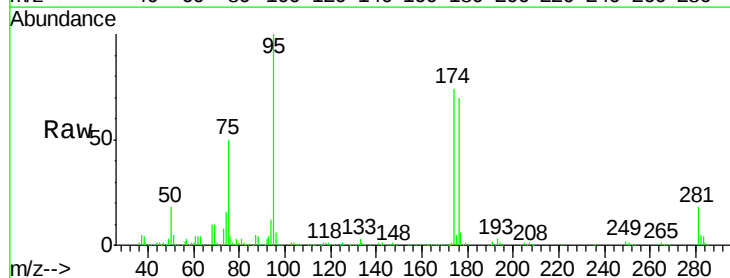
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 48.643 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY001771.D
 Acq: 24 Feb 2020 17:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	138.4
176	67.4	0.0	131.8





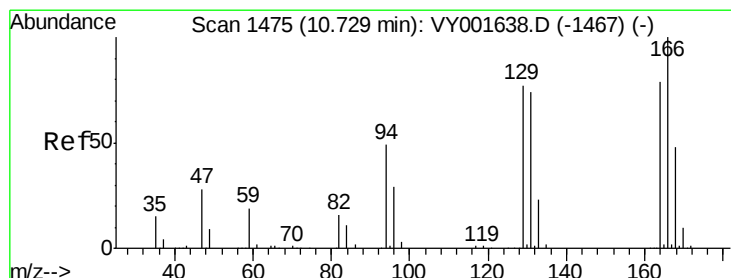
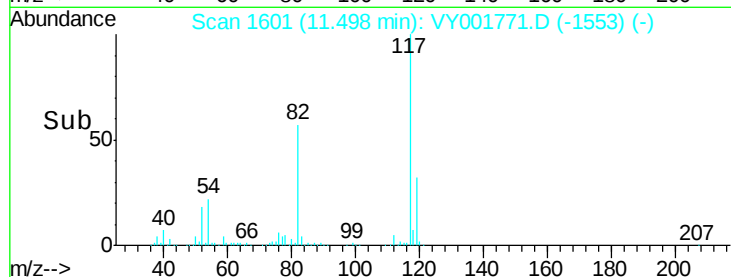
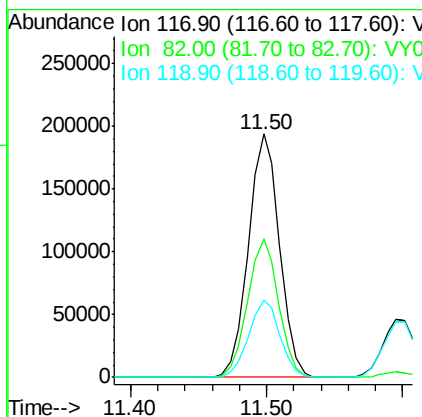
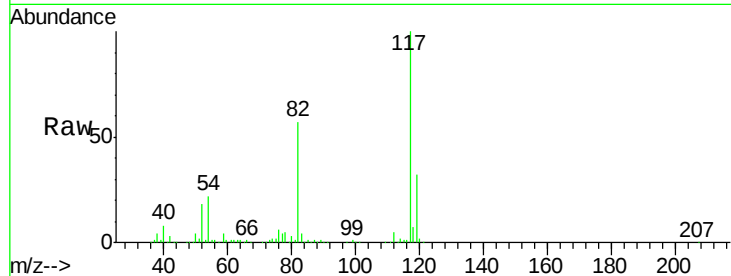
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.5	68.3
119	31.8	25.8	38.6

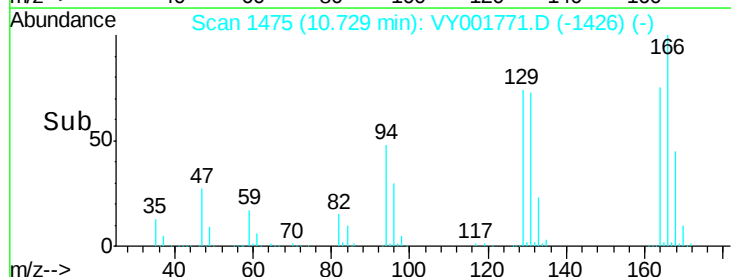
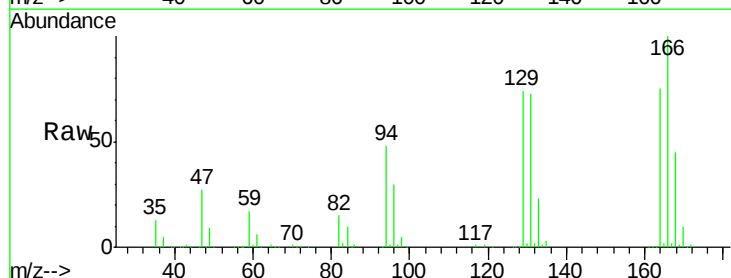
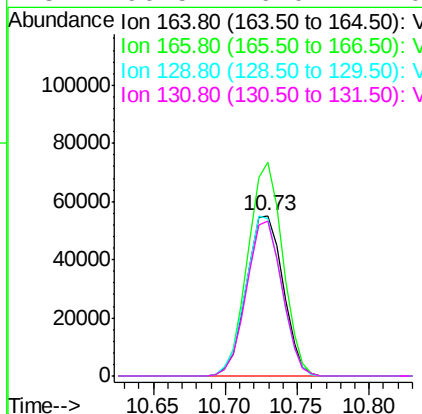
Manual Integrations
APPROVED

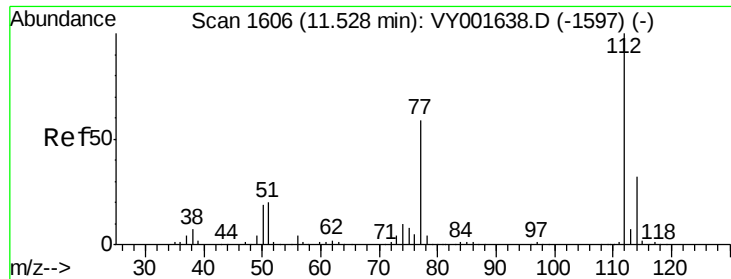
MMDadoda
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#64
Tetrachloroethene
Concen: 50.082 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.0	101.4	152.0
129	98.2	78.7	118.1
131	96.5	76.0	114.0





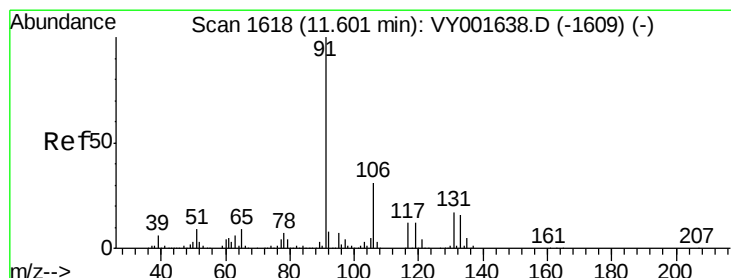
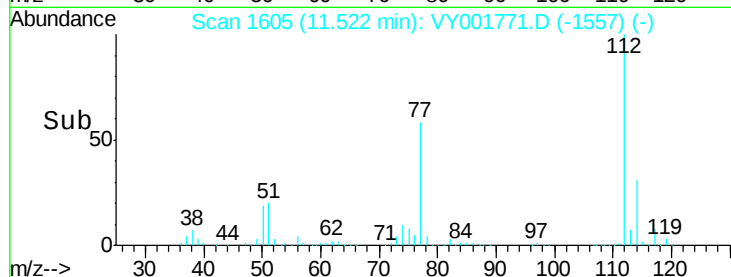
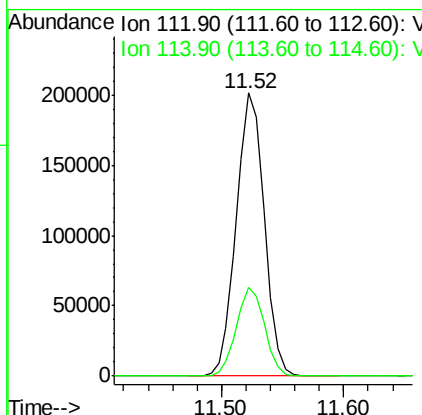
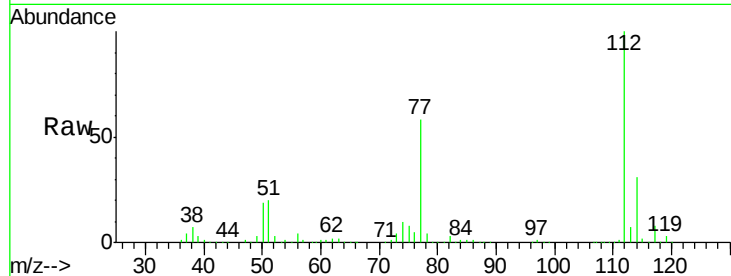
#65
Chlorobenzene
Concen: 51.580 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 318835
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.2

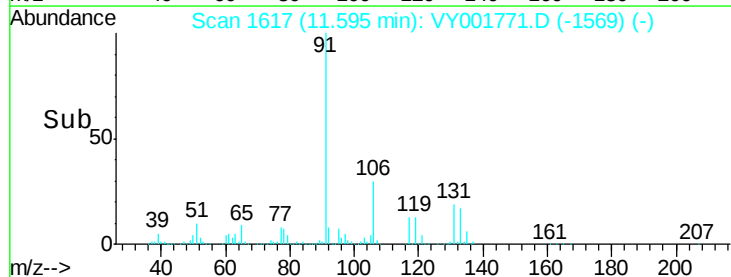
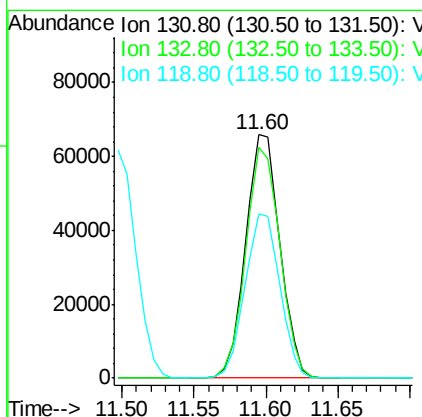
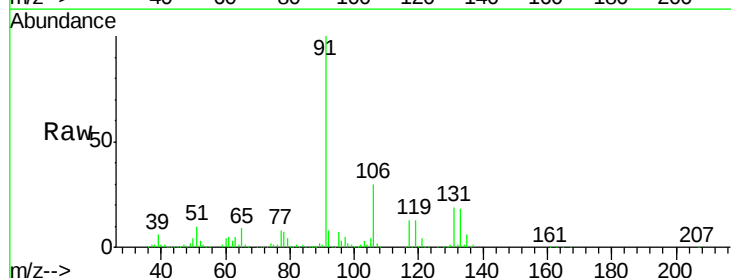
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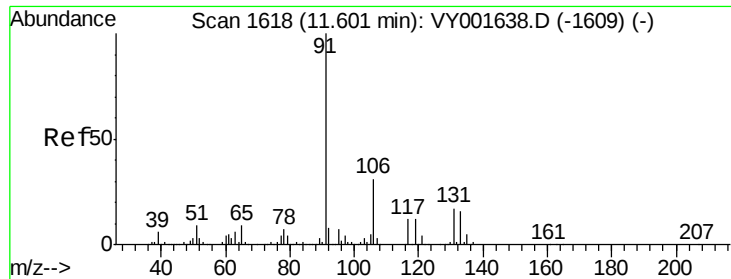
MMDadoda
2/25/2020 10:54:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.011 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Tgt Ion:131 Resp: 108452
Ion Ratio Lower Upper
131 100
133 94.3 47.4 142.2
119 68.3 34.4 103.1





#67

Ethyl Benzene

Concen: 51.844 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 594717

Ion Ratio Lower Upper

91 100

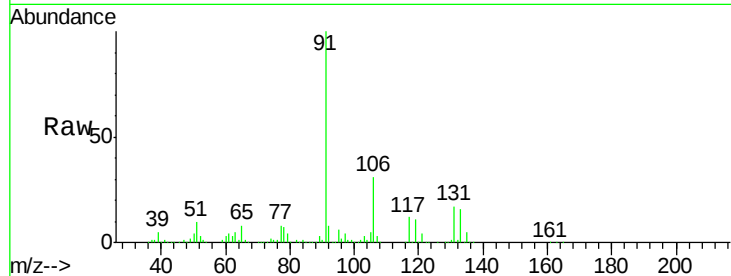
106 30.7 24.5 36.7

Manual Integrations

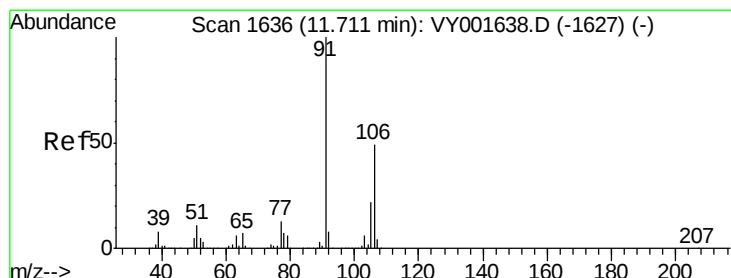
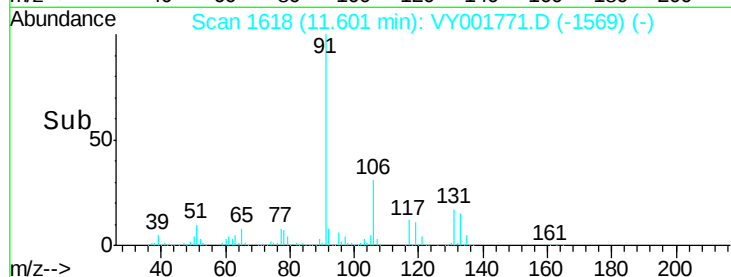
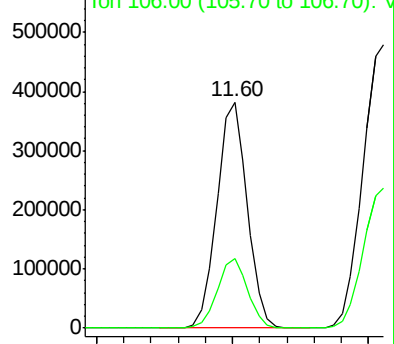
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Abundance Ion 91.00 (90.70 to 91.70): VY001638.D (-1609) (-)



#68

m/p-Xylenes

Concen: 101.675 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VY001771.D

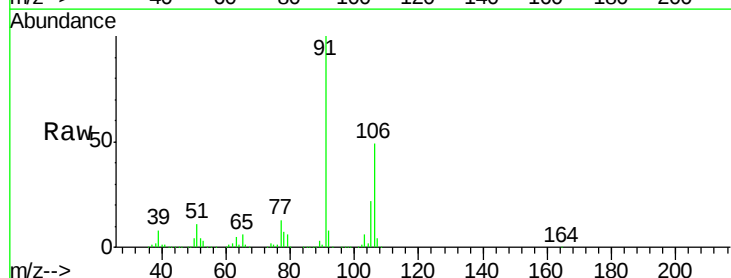
Acq: 24 Feb 2020 17:11

Tgt Ion: 106 Resp: 435682

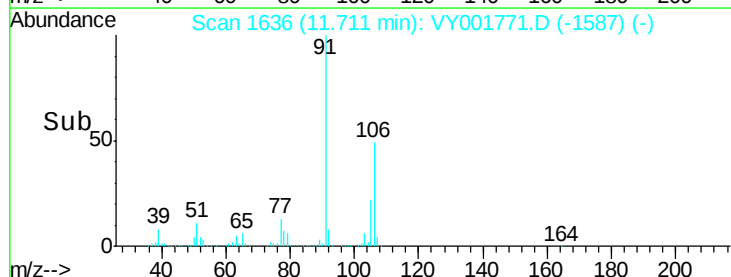
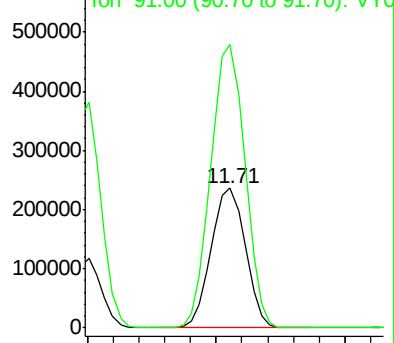
Ion Ratio Lower Upper

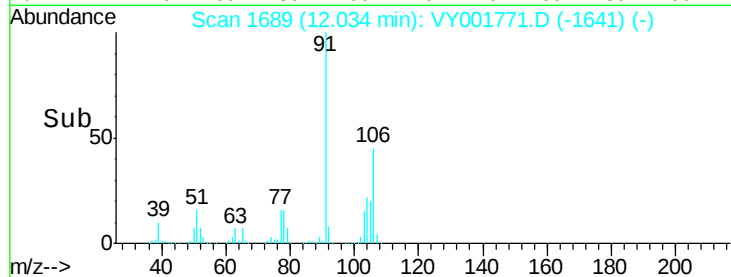
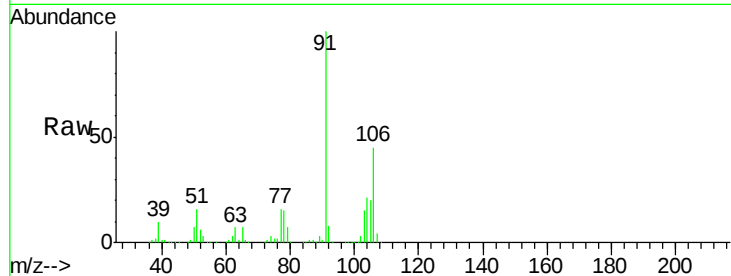
106 100

91 202.9 163.3 244.9



Abundance Ion 106.00 (105.70 to 106.70): VY001638.D (-1627) (-)





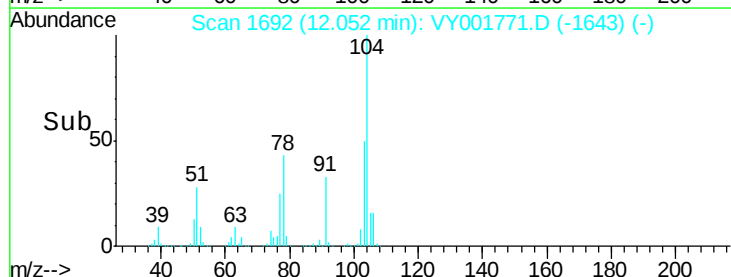
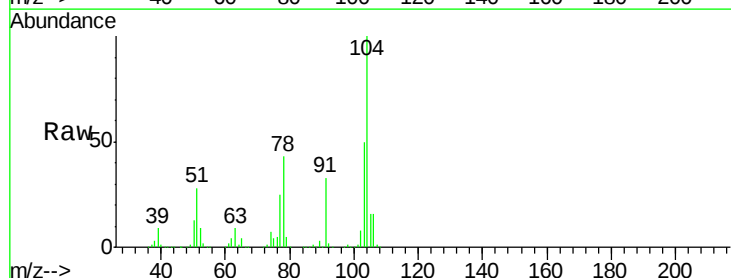
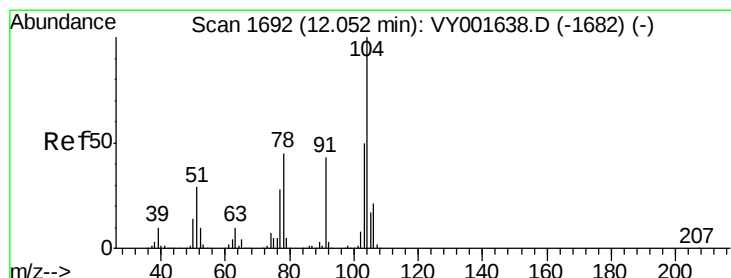
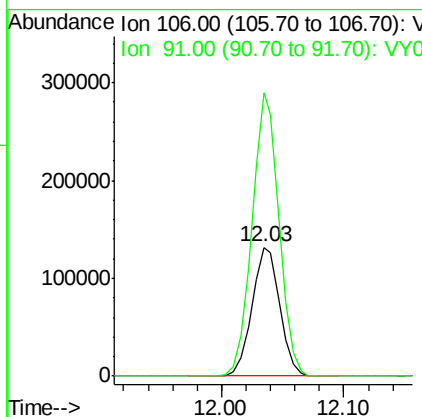
#69
o-Xylene
Concen: 50.923 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		207450		
91	213.7	108.3	324.9		

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

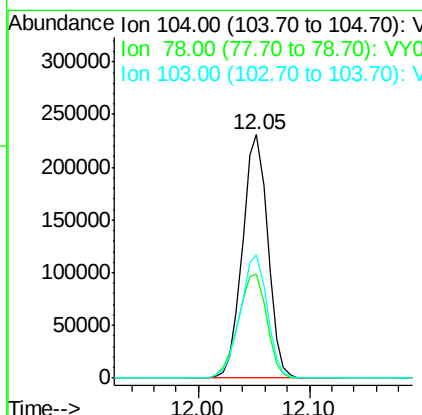
Manual Integrations
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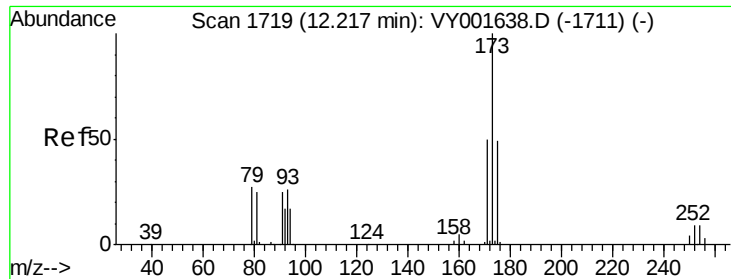
MMDadoda
2/25/2020 10:54:01 AM



#70
Styrene
Concen: 51.549 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		364960		
78	48.3	39.2	58.8		
103	53.9	43.0	64.6		





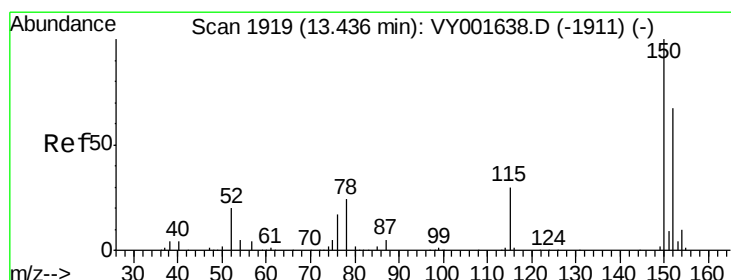
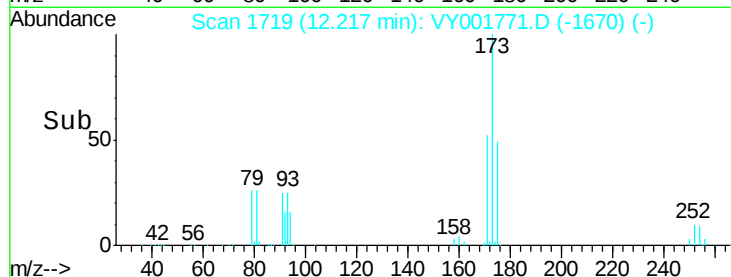
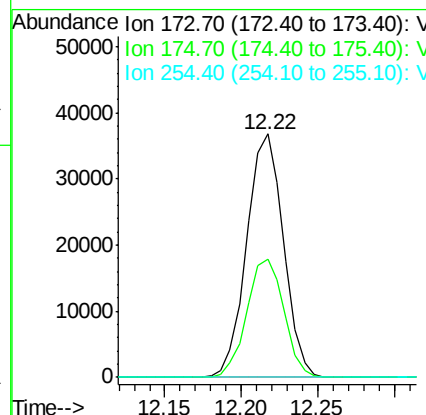
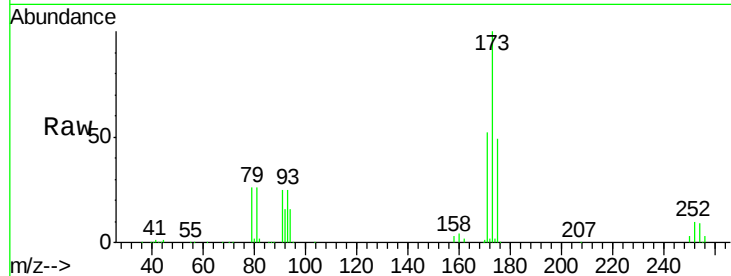
#71
Bromoform
Concen: 51.602 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. 0.00 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	73.0
254	0.1	0.1	0.1#

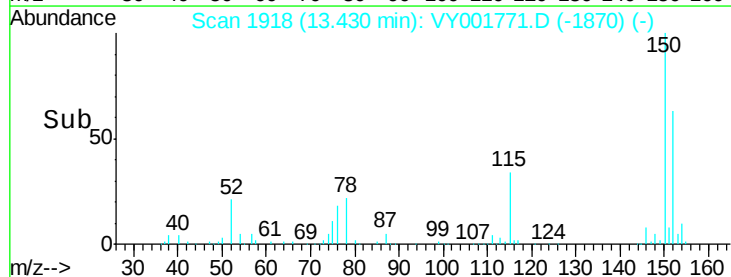
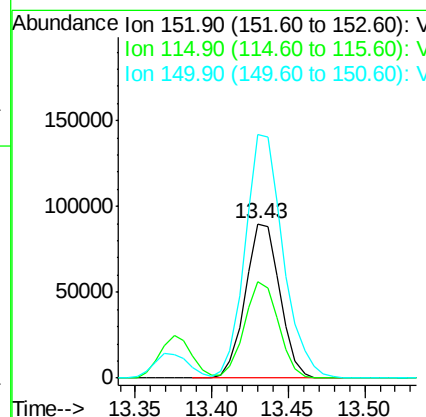
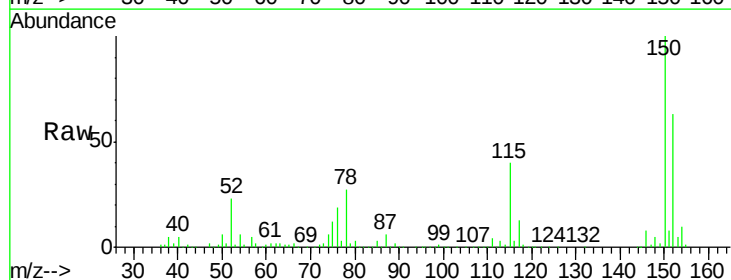
Manual Integrations
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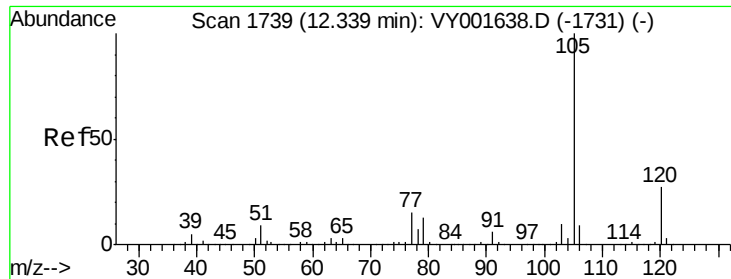
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	31.4	94.2
150	174.1	0.0	407.2





#73

Isopropylbenzene

Concen: 52.148 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 558597

Ion Ratio Lower Upper

105 100

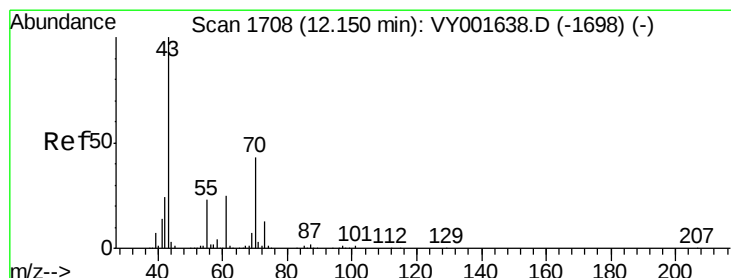
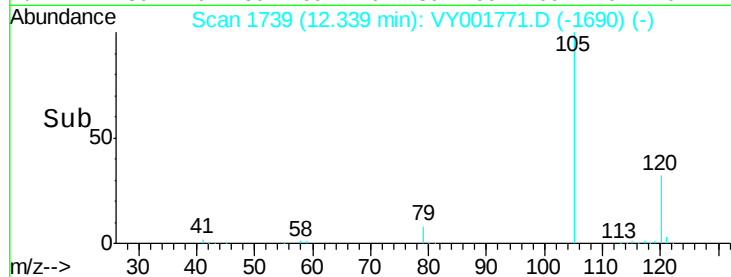
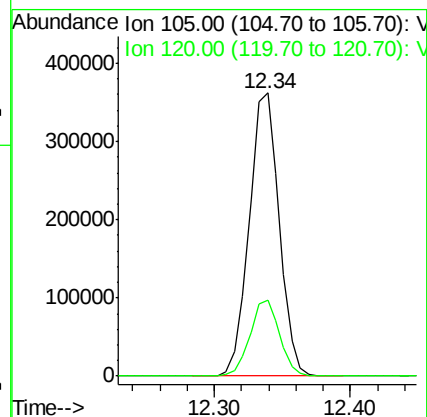
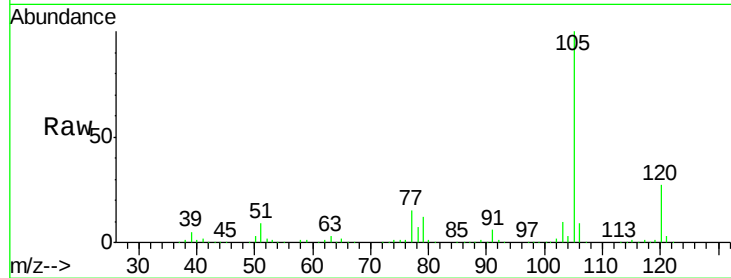
120 26.5 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 53.095 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Tgt Ion: 43 Resp: 181509

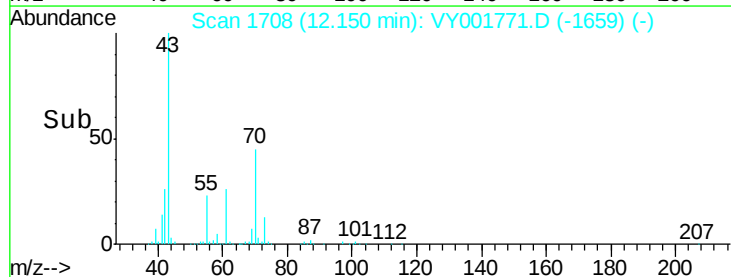
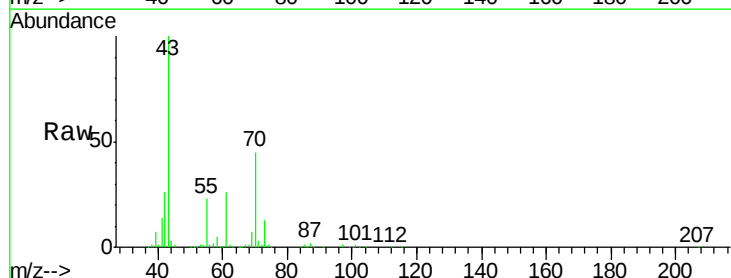
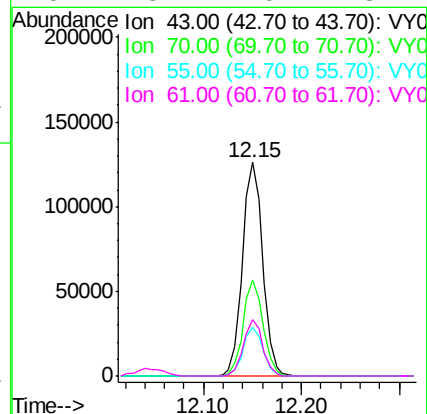
Ion Ratio Lower Upper

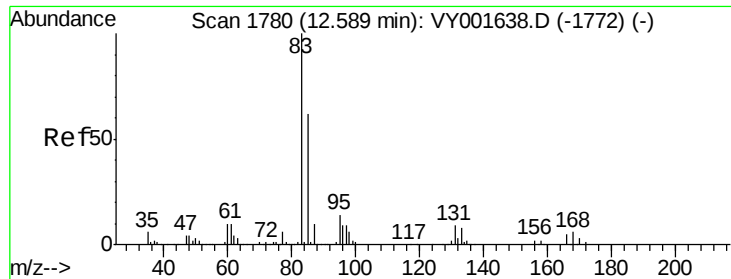
43 100

70 43.9 35.9 53.9

55 22.7 18.3 27.5

61 25.4 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 54.943 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Instrument :

MSVOA_Y

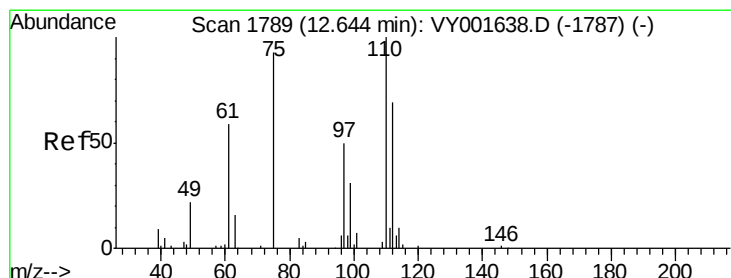
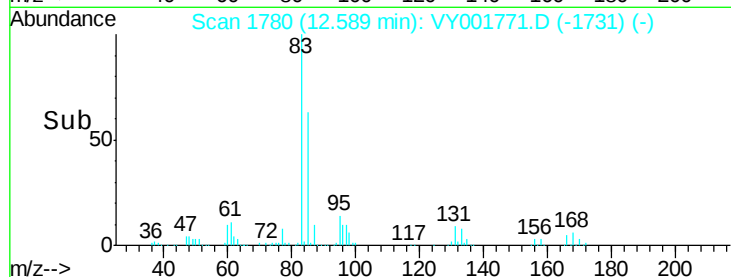
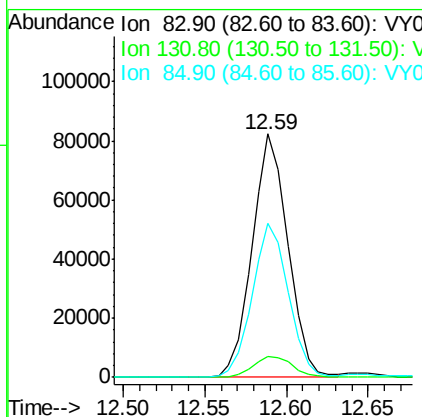
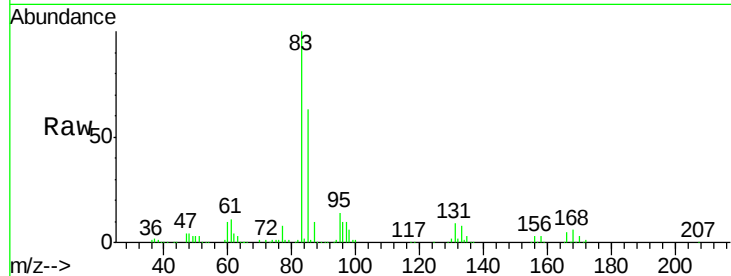
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	125663
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.1
85	63.9	31.6	94.7

Manual Integrations
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2/25/2020 10:54:01 AM



#76

1,2,3-Trichloropropane

Concen: 58.754 ug/l m

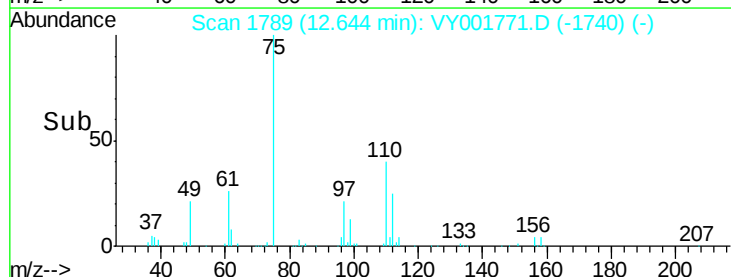
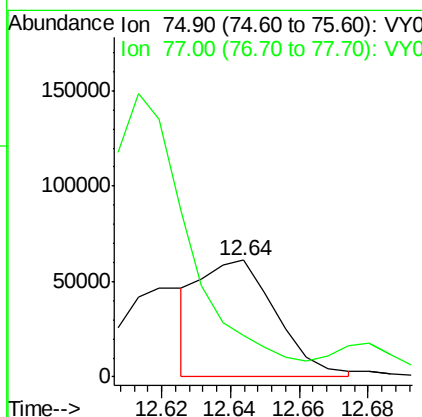
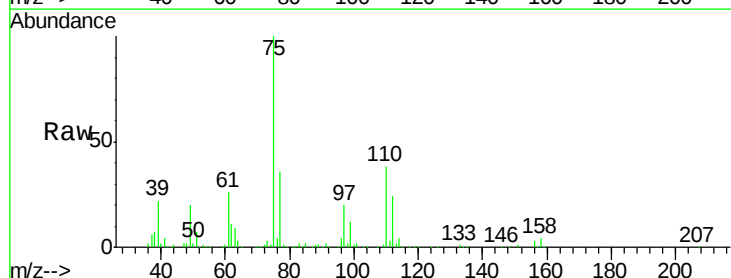
RT: 12.64 min Scan# 1789

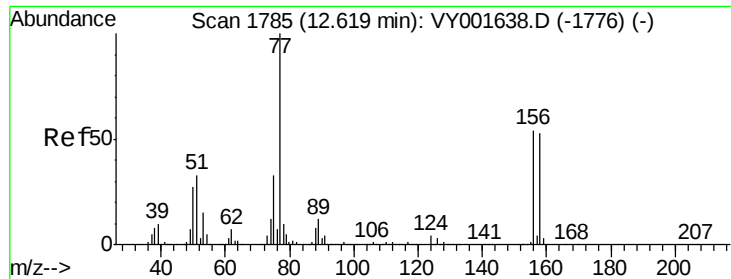
Delta R.T. 0.00 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Tgt Ion:	75	Resp:	94767
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.778 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Instrument :

MSVOA_Y

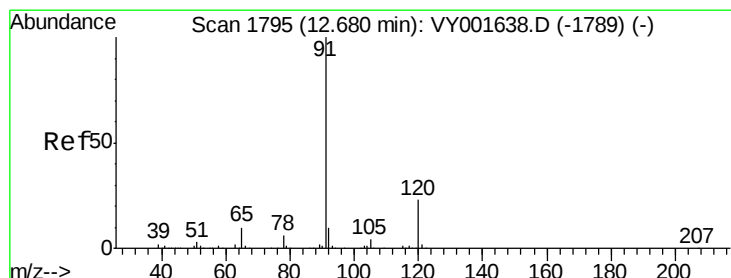
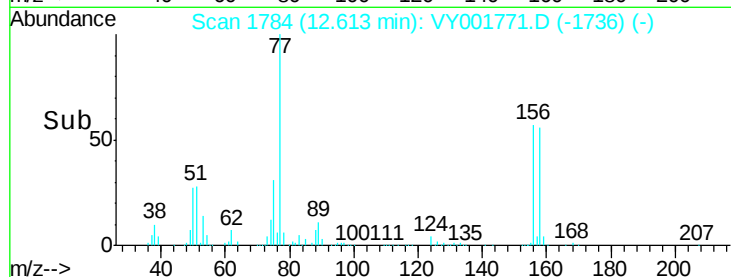
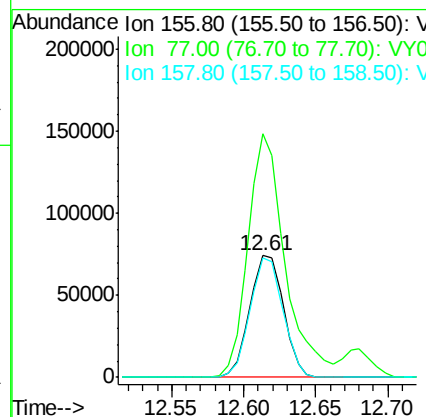
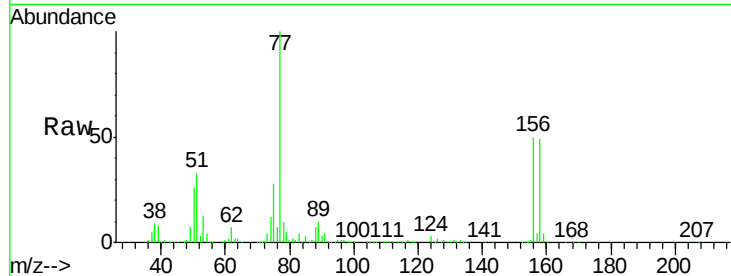
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	120233
Ion Ratio	Lower	Upper	
156	100		
77	219.4	110.1	330.1
158	96.1	47.9	143.7

Manual Integrations
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2/25/2020 10:54:01 AM



#78

n-propylbenzene

Concen: 52.833 ug/l

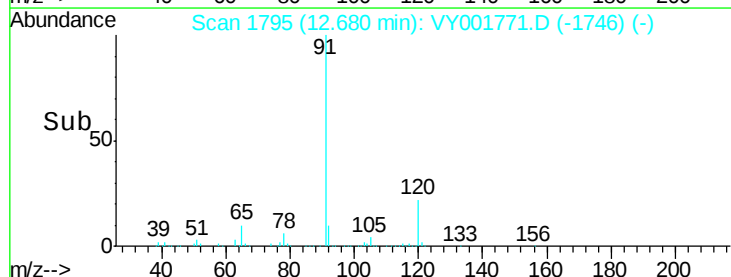
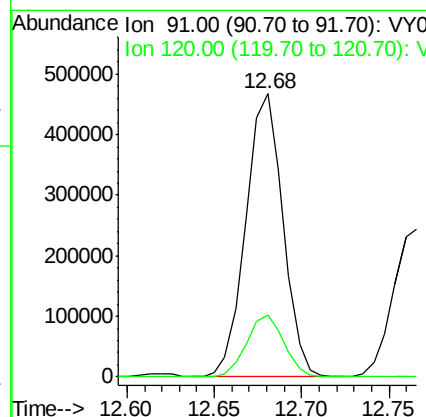
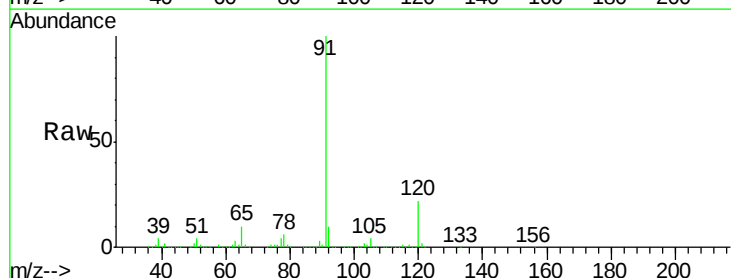
RT: 12.68 min Scan# 1795

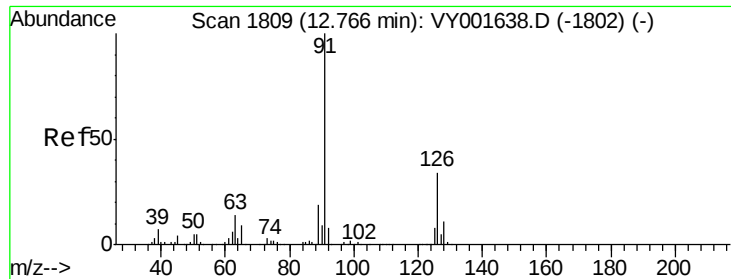
Delta R.T. 0.00 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Tgt Ion:	91	Resp:	689249
Ion Ratio	Lower	Upper	
91	100		
120	21.9	11.1	33.1





#79

2-Chlorotoluene

Concen: 52.173 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 381748

Ion Ratio Lower Upper

91 100

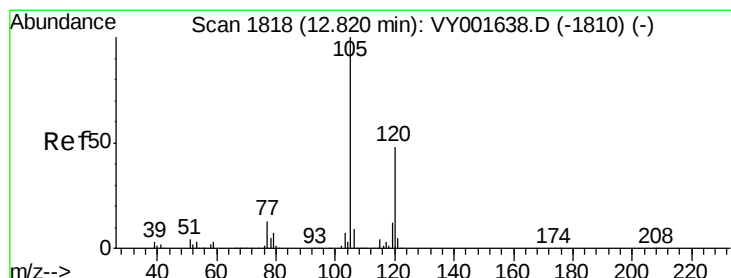
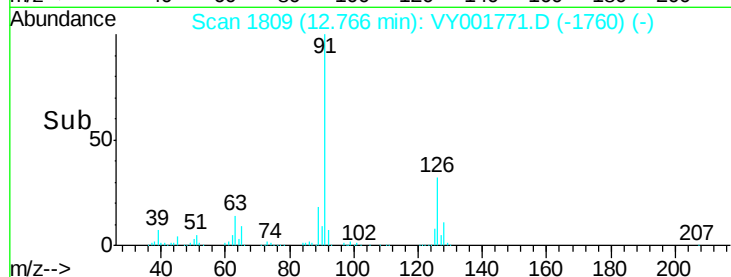
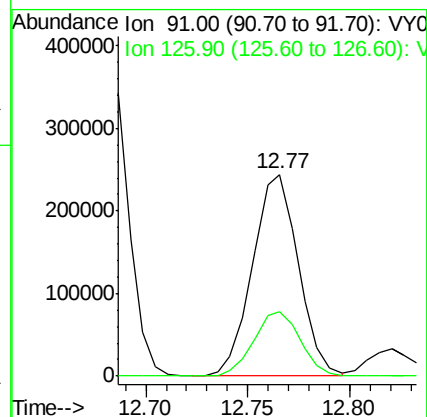
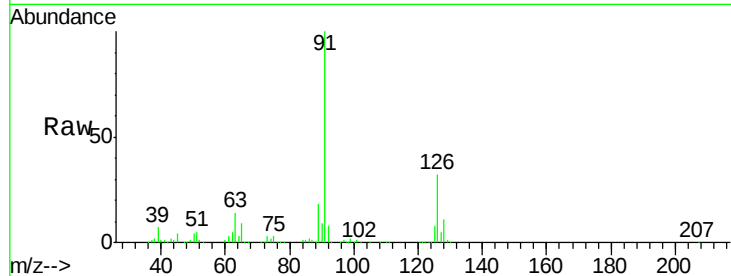
126 32.6 16.2 48.6

Manual Integrations

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2/25/2020 10:54:01 AM



#80

1,3,5-Trimethylbenzene

Concen: 52.007 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001771.D

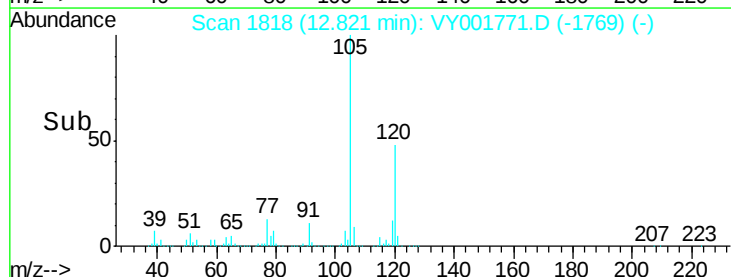
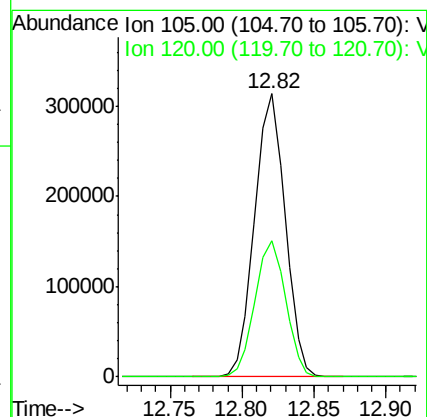
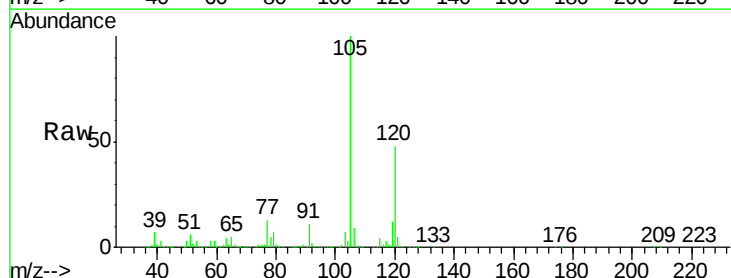
Acq: 24 Feb 2020 17:11

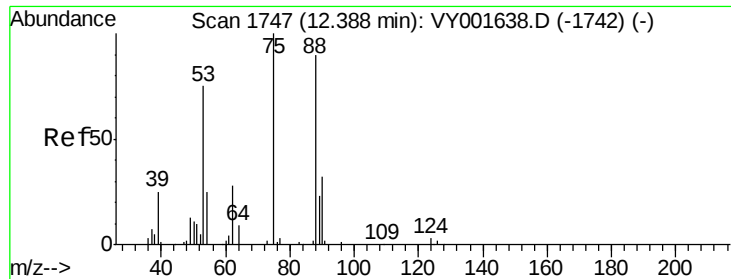
Tgt Ion: 105 Resp: 461143

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 54.585 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Instrument :

MSVOA_Y

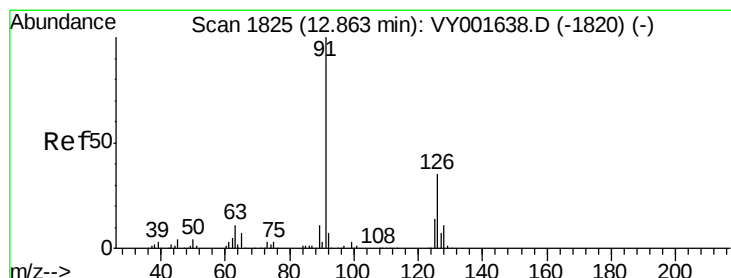
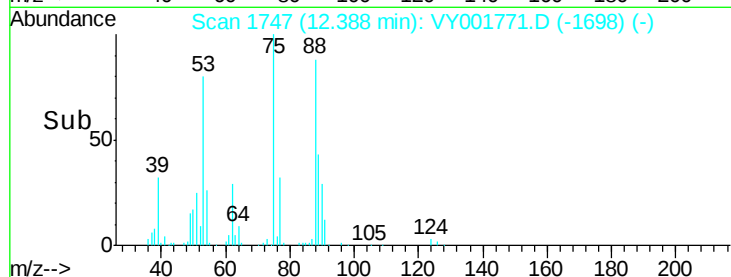
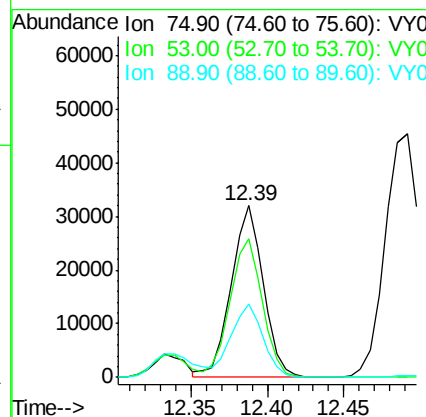
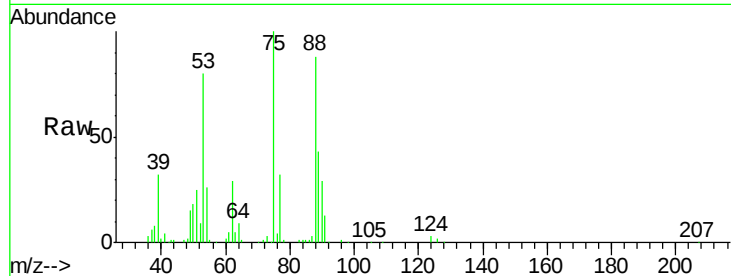
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	46407
Ion	Ratio	Lower	Upper
75	100		
53	81.6	64.5	96.7
89	42.1	36.3	54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.515 ug/l

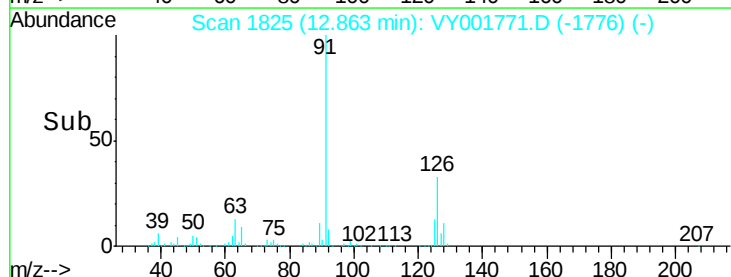
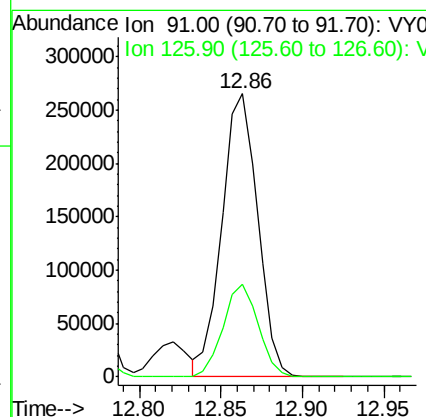
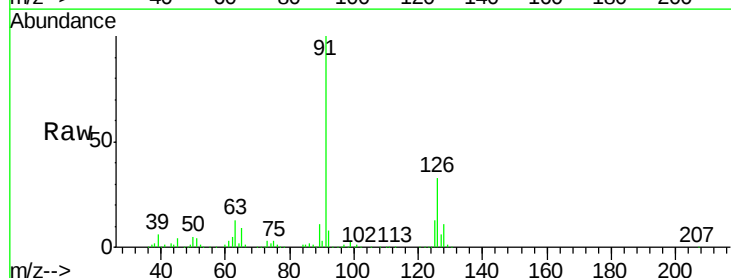
RT: 12.86 min Scan# 1825

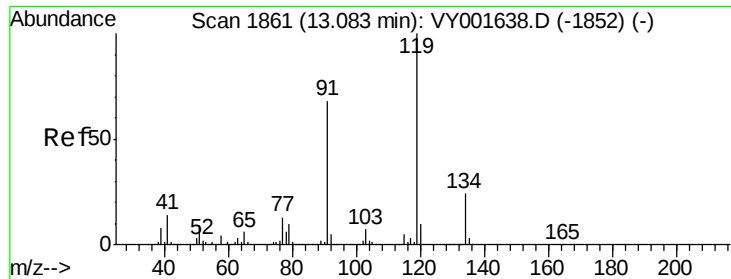
Delta R.T. 0.00 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Tgt Ion:	91	Resp:	405268
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.2	48.6





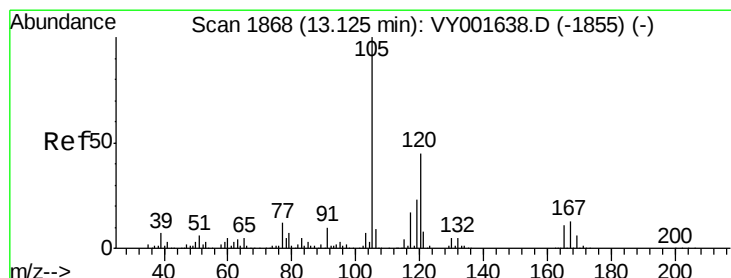
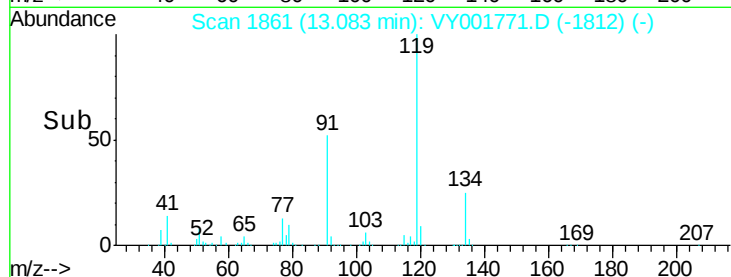
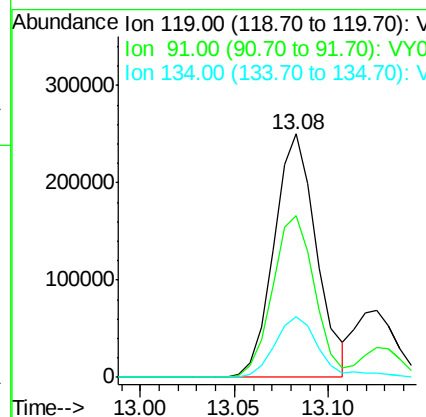
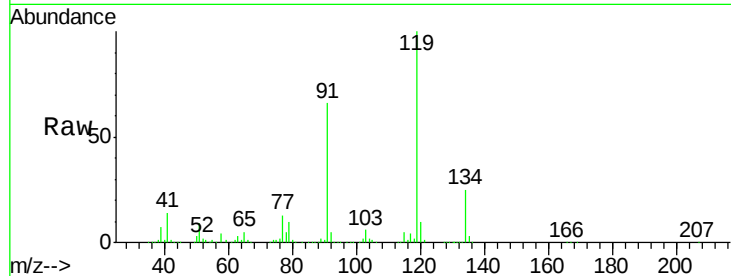
#83
 tert-Butylbenzene
 Concen: 52.585 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VY001771.D
 Acq: 24 Feb 2020 17:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.6	33.5	100.5
134	26.4	13.3	39.8

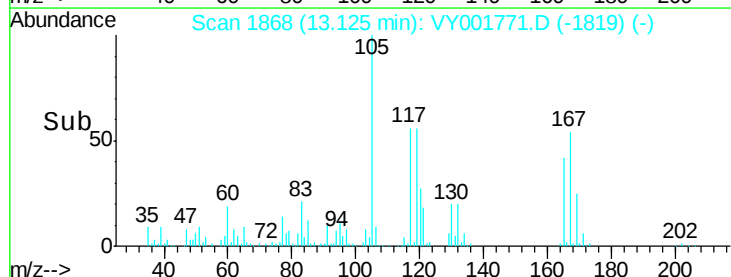
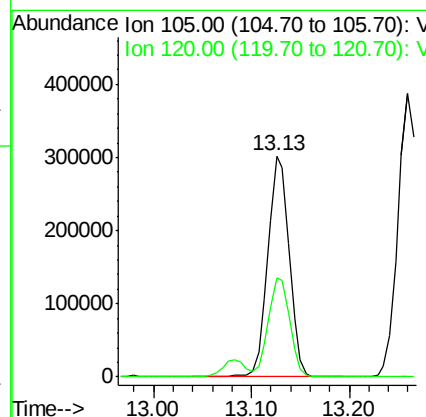
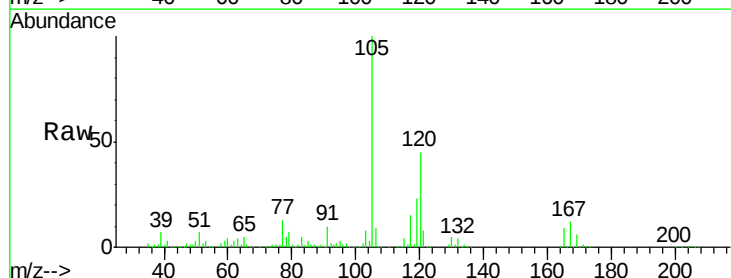
Manual Integrations
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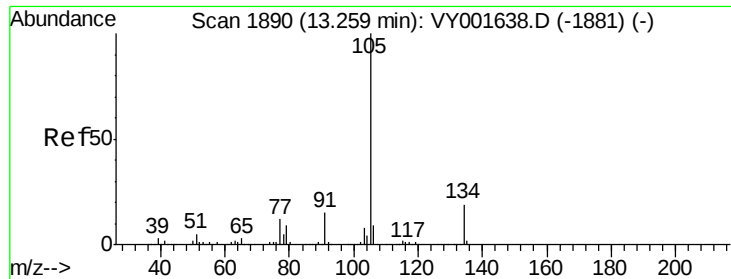
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.751 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VY001771.D
 Acq: 24 Feb 2020 17:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.3





#85

sec-Butylbenzene

Concen: 52.082 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 568062

Ion Ratio Lower Upper

105 100

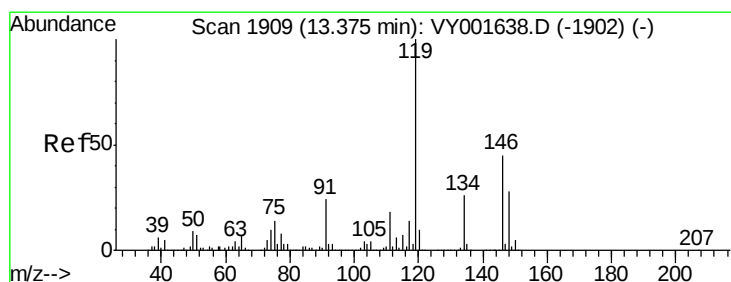
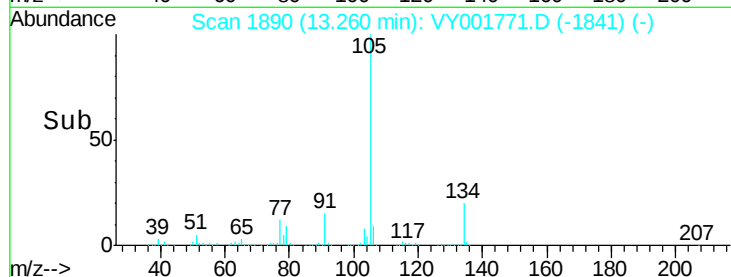
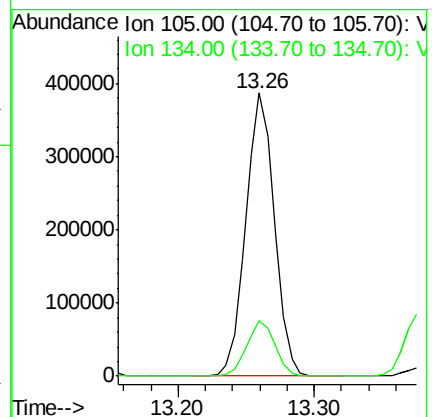
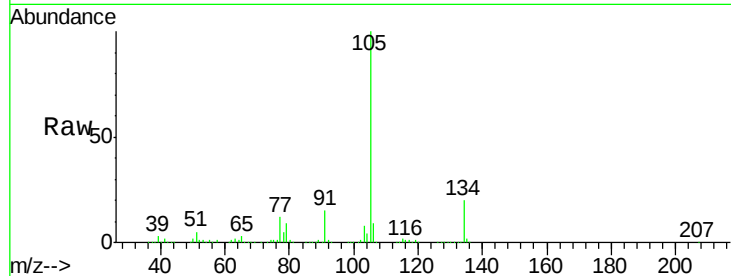
134 19.6 9.8 29.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.117 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001771.D

Acq: 24 Feb 2020 17:11

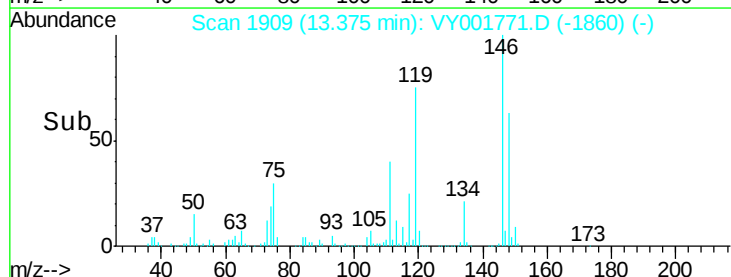
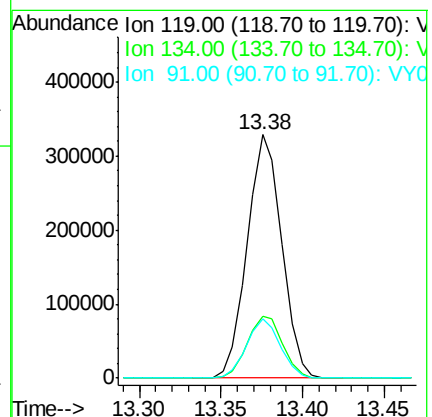
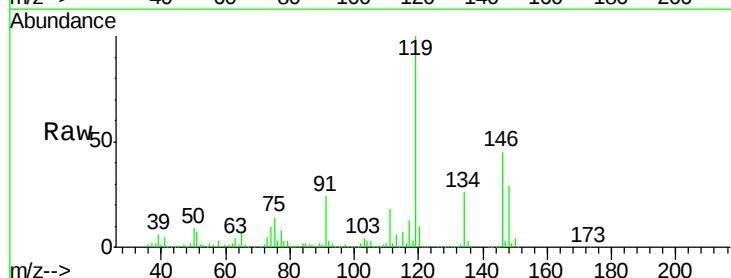
Tgt Ion:119 Resp: 484348

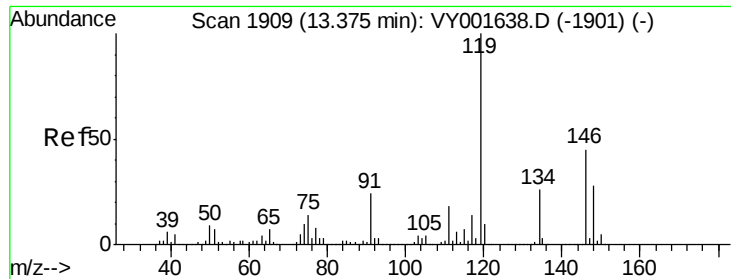
Ion Ratio Lower Upper

119 100

134 26.2 13.0 39.0

91 23.8 12.2 36.6





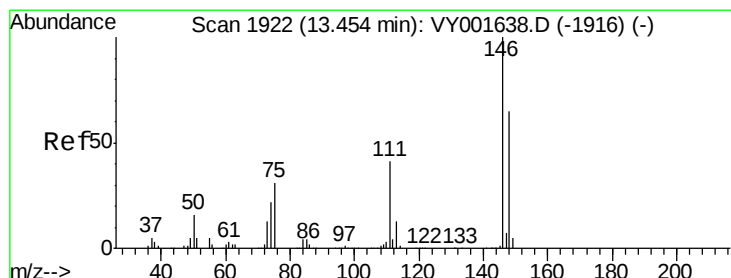
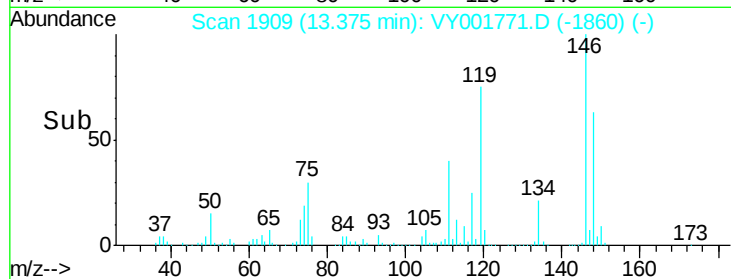
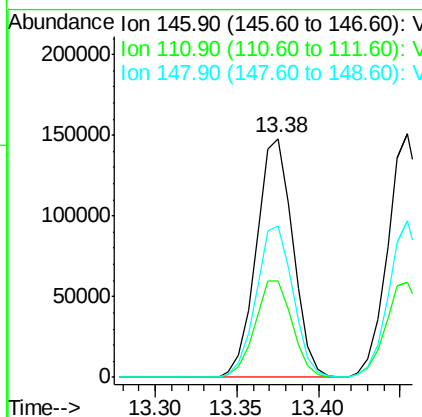
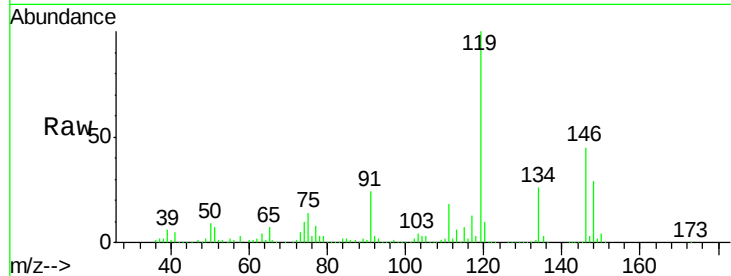
#87
 1,3-Dichlorobenzene
 Concen: 51.248 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001771.D
 Acq: 24 Feb 2020 17:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	230796		
111	41.3		21.4	64.3
148	63.8		31.6	94.7

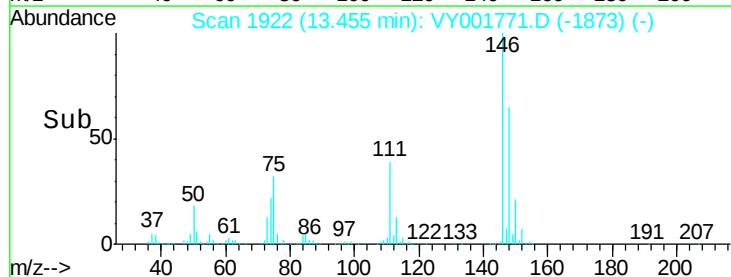
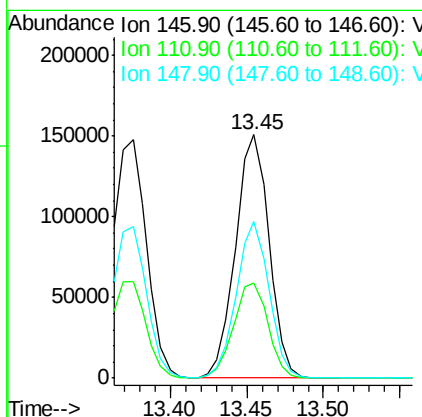
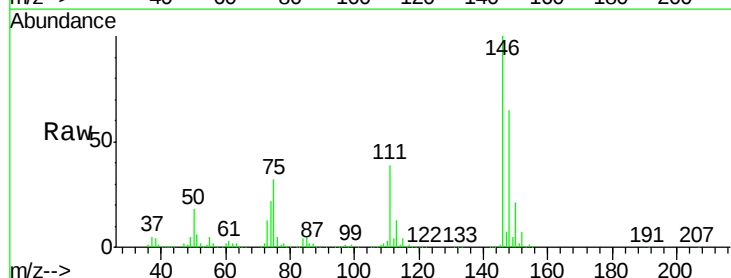
Manual Integrations
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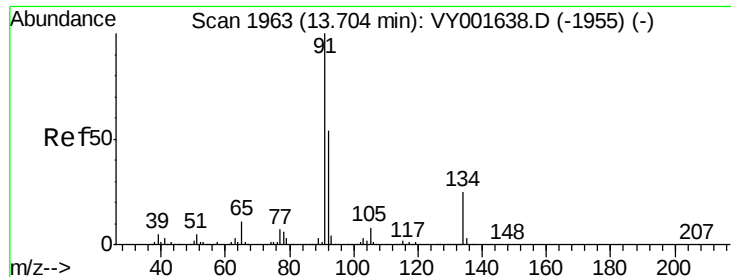
MMDadoda
 2/25/2020 10:54:01 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.435 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001771.D
 Acq: 24 Feb 2020 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	229593		
111	40.5		20.4	61.3
148	62.9		31.6	94.7





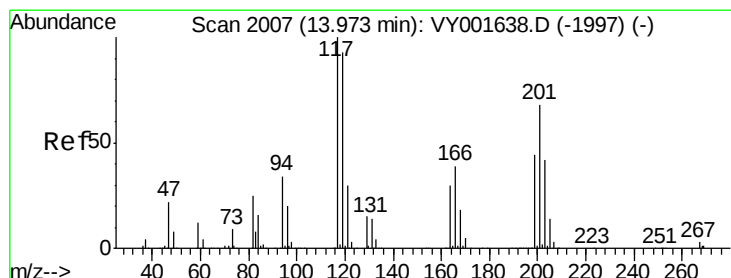
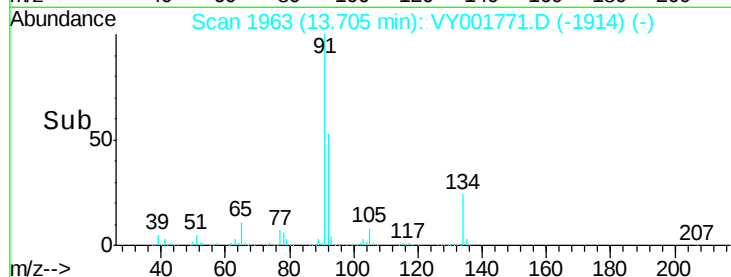
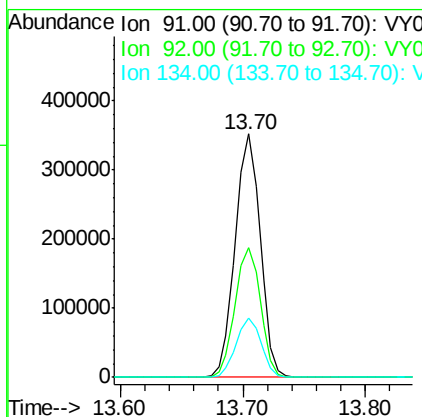
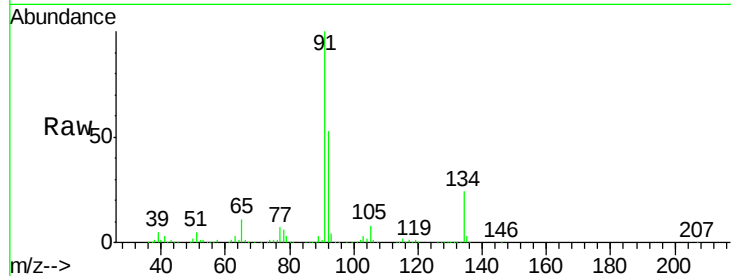
#89
n-Butylbenzene
Concen: 51.401 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.5	82.4
134	24.5	12.4	37.4

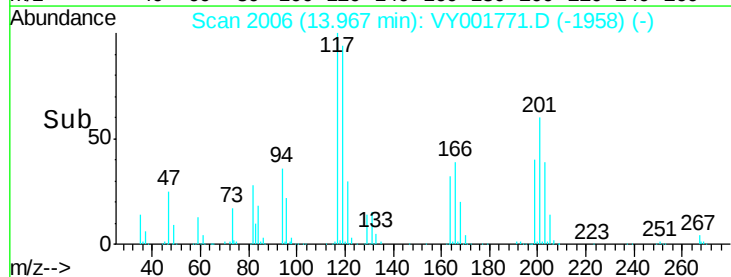
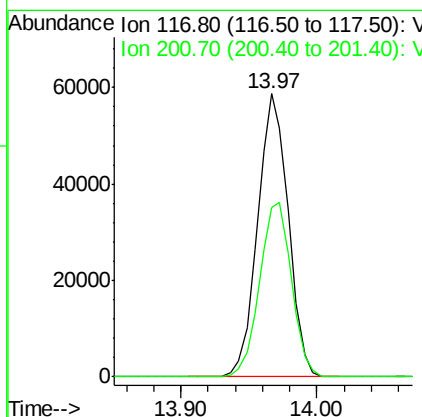
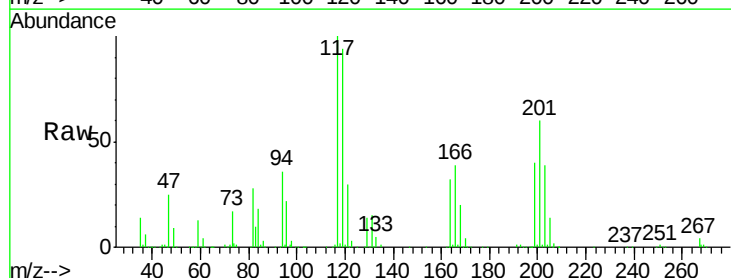
Manual Integrations
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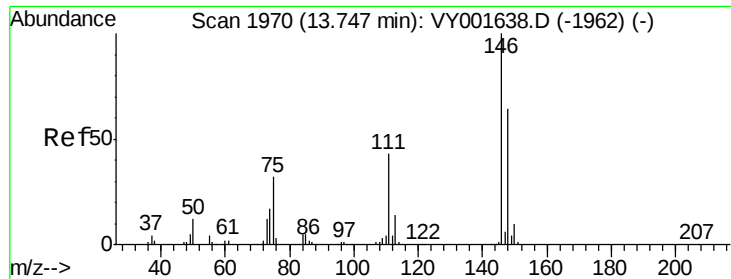
MMDadoda
2/25/2020 10:54:01 AM



#90
Hexachloroethane
Concen: 51.937 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.1	32.5	97.4





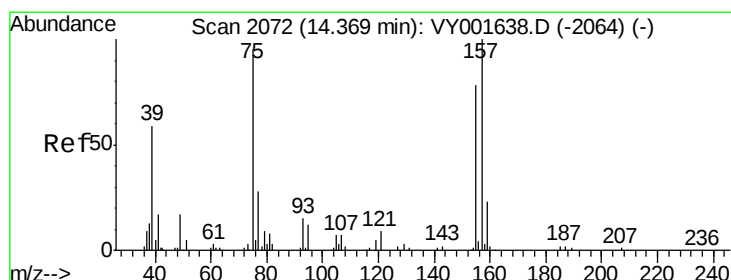
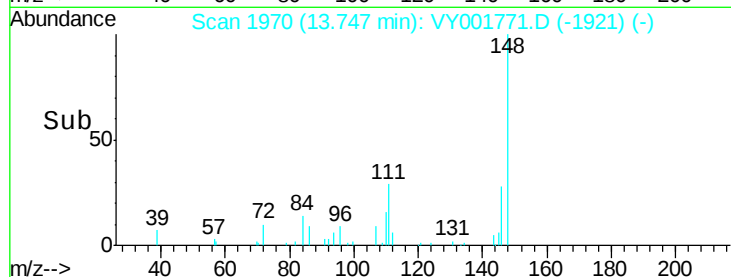
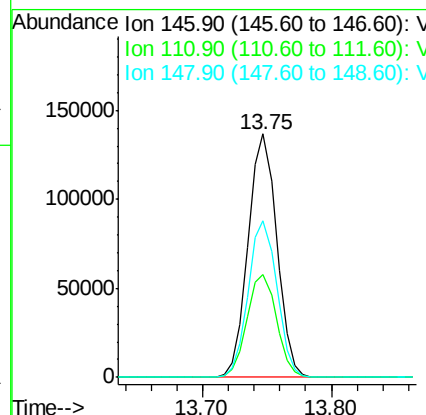
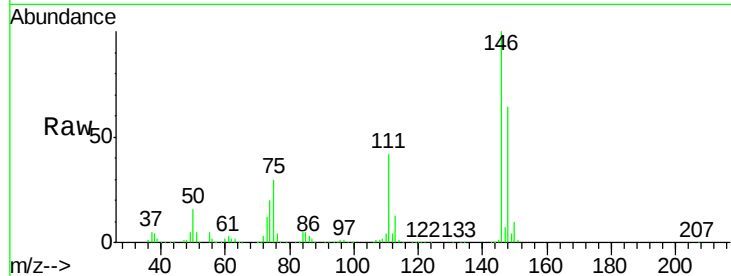
#91
 1,2-Dichlorobenzene
 Concen: 50.453 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001771.D
 Acq: 24 Feb 2020 17:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.9	65.7
148	64.5	31.5	94.5

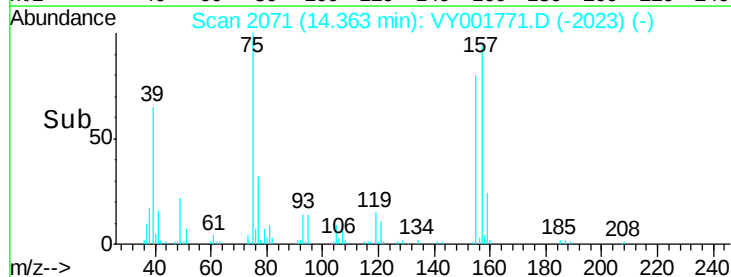
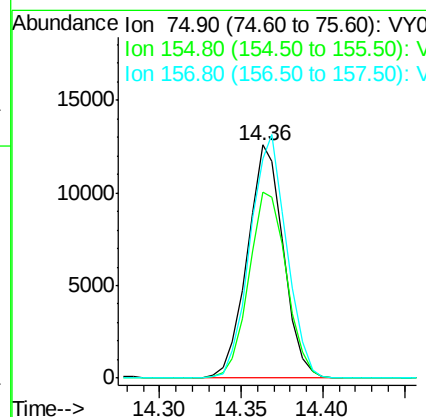
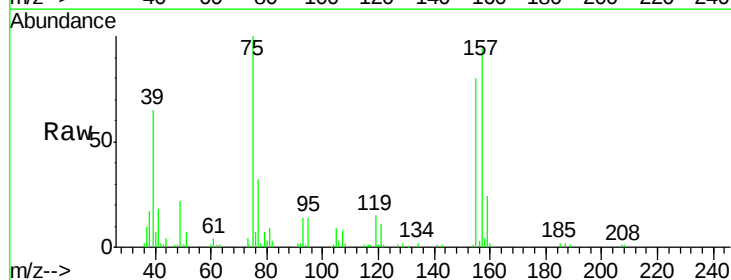
Manual Integrations
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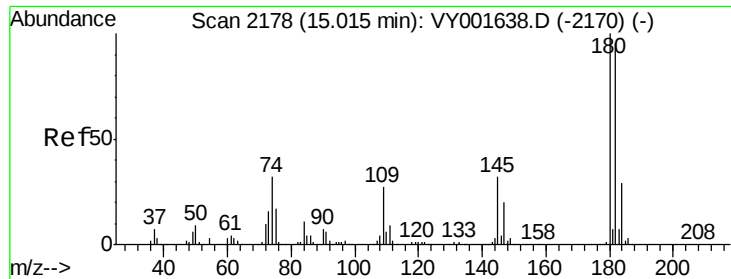
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.160 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001771.D
 Acq: 24 Feb 2020 17:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.3	40.8	122.4
157	105.4	52.1	156.4





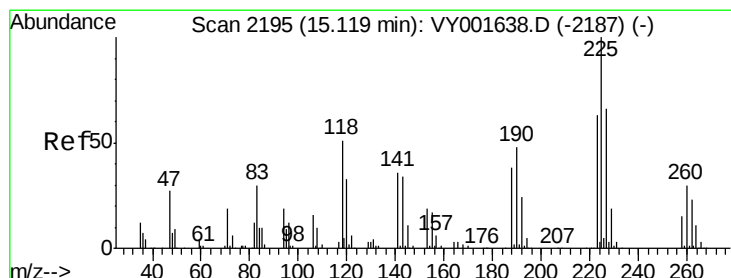
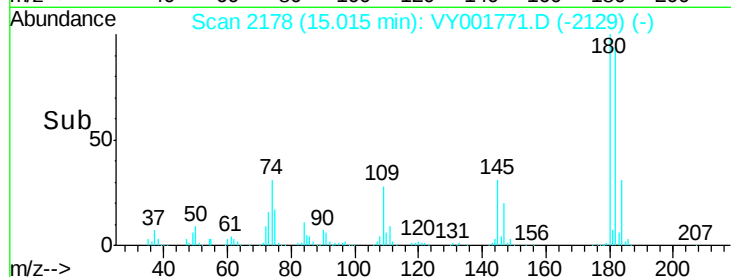
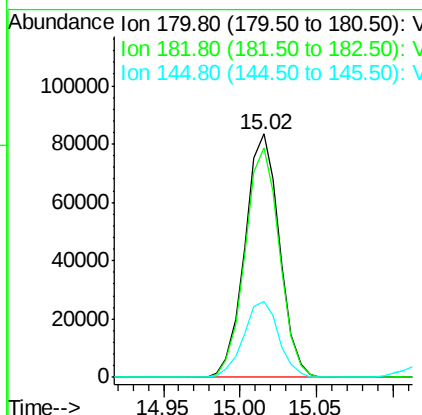
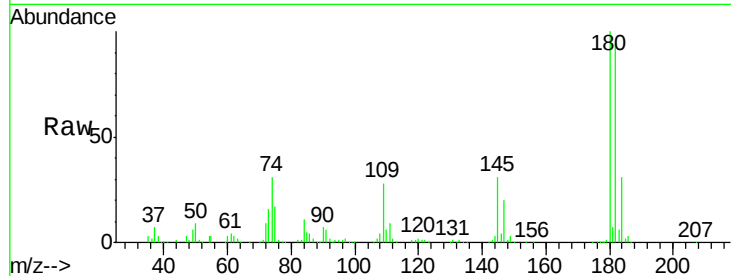
#93
1,2,4-Trichlorobenzene
Concen: 47.558 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. 0.00 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	46.8	140.3
145	31.7	16.2	48.5

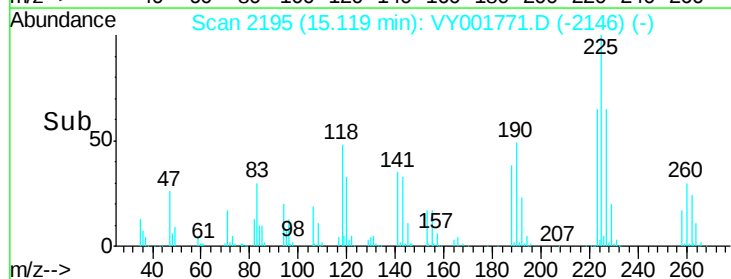
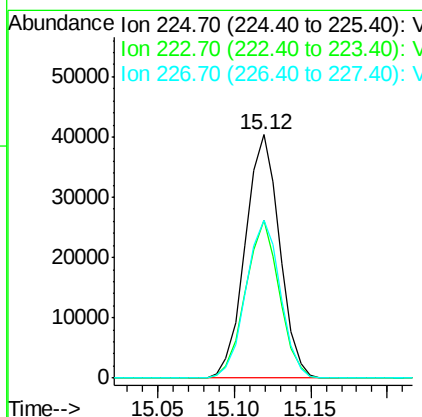
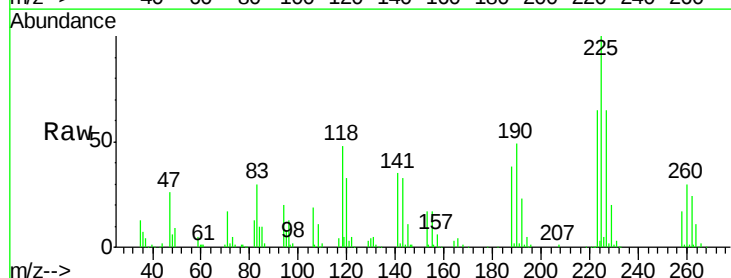
Manual Integrations
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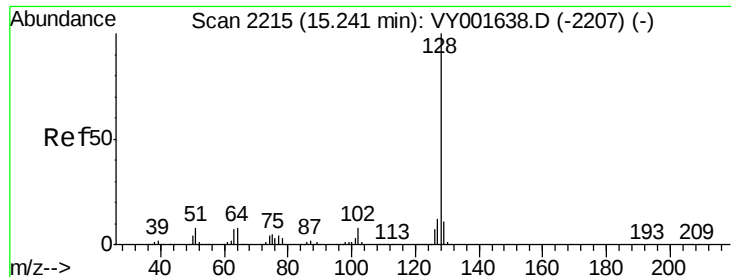
MMDadoda
2/25/2020 10:54:01 AM



#94
Hexachlorobutadiene
Concen: 46.036 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.4	94.0
227	64.9	31.6	94.8





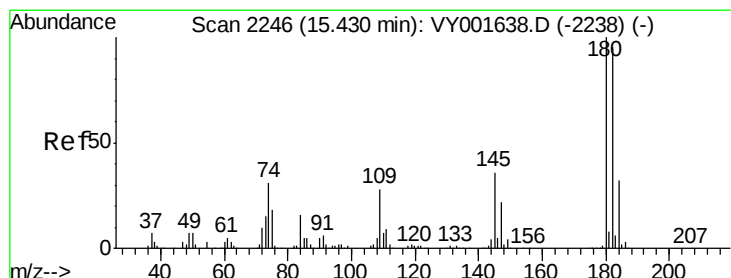
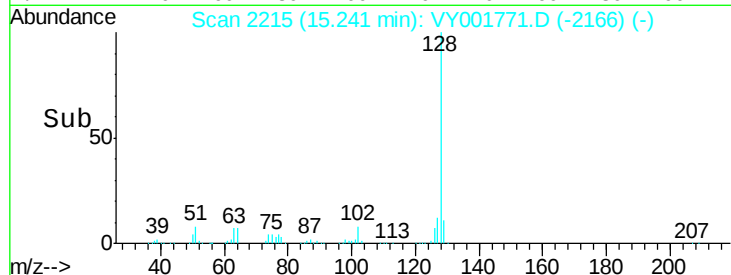
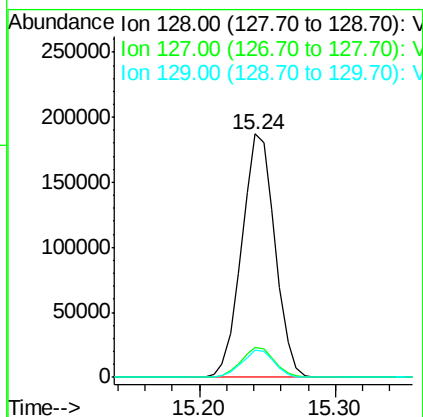
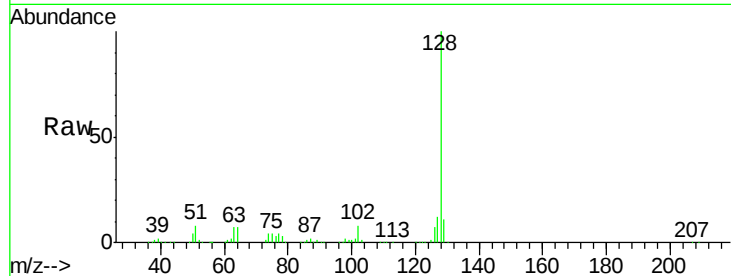
#95
Naphthalene
Concen: 50.233 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	318990		
127	12.3		9.9	14.9
129	10.9		8.6	13.0

Manual Integrations
APPROVED

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2/25/2020 10:54:01 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.863 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY001771.D
Acq: 24 Feb 2020 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	115971		
182	95.4		47.2	141.6
145	33.8		17.3	52.0

