

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001644.D
 Acq On : 17 Feb 2020 14:33
 Operator : SY/MD
 Sample : VY0217SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 10:49:33 AM

Quant Time: Feb 17 15:53:51 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	196105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	348072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	315032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	150095	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	112296	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
35) Dibromofluoromethane	7.74	113	102579	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.19	98	424669	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	
62) 4-Bromofluorobenzene	12.49	95	155577	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	36033	18.850	ug/l	100
3) Chloromethane	2.12	50	52189	20.298	ug/l	98
4) Vinyl Chloride	2.26	62	52979	20.429	ug/l	99
5) Bromomethane	2.65	94	35296	21.777	ug/l	100
6) Chloroethane	2.80	64	32033	20.045	ug/l	98
7) Trichlorofluoromethane	3.14	101	69422	20.916	ug/l	94
8) Diethyl Ether	3.54	74	26051	19.910	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.92	101	43192	20.704	ug/l	99
10) Methyl Iodide	4.11	142	50941	19.952	ug/l	99
11) Tert butyl alcohol	4.97	59	38479	147.031	ug/l #	82
12) 1,1-Dichloroethene	3.89	96	43997	20.678	ug/l	97
13) Acrolein	3.74	56	22331	104.822	ug/l	98
14) Allyl chloride	4.50	41	77845	20.557	ug/l	98
15) Acrylonitrile	5.19	53	71465	106.555	ug/l	100
16) Acetone	3.96	43	68667	94.081	ug/l	96
17) Carbon Disulfide	4.21	76	143230	20.163	ug/l	98
18) Methyl Acetate	4.50	43	33159	20.862	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	122077	20.607	ug/l	96
20) Methylene Chloride	4.74	84	54293	20.942	ug/l	97
21) trans-1,2-Dichloroethene	5.24	96	50028	20.608	ug/l	99
22) Diisopropyl ether	6.14	45	160925	20.693	ug/l	99
23) Vinyl Acetate	6.08	43	529121	104.308	ug/l	99
24) 1,1-Dichloroethane	6.04	63	85953	20.679	ug/l	98
25) 2-Butanone	7.01	43	101359	102.227	ug/l	99
26) 2,2-Dichloropropane	7.00	77	74683	20.652	ug/l	98
27) cis-1,2-Dichloroethene	7.01	96	55199	20.599	ug/l	99
28) Bromochloromethane	7.35	49	33558	19.382	ug/l	99
29) Tetrahydrofuran	7.37	42	63694	106.283	ug/l	99
30) Chloroform	7.53	83	81513	20.071	ug/l	100
31) Cyclohexane	7.80	56	91633	20.677	ug/l	93
32) 1,1,1-Trichloroethane	7.72	97	70753	20.728	ug/l	99
36) 1,1-Dichloropropene	7.94	75	68621	20.639	ug/l	99
37) Ethyl Acetate	7.10	43	41839	21.084	ug/l	99
38) Carbon Tetrachloride	7.92	117	60138	20.593	ug/l	99

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Manual Integrations
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 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)
39) Methylcyclohexane	9.19	83	91804	20.813	ug/l	98
40) Benzene	8.18	78	201415	20.598	ug/l	100
41) Methacrylonitrile	7.33	41	19380m	19.450	ug/l	
42) 1,2-Dichloroethane	8.25	62	55922	20.992	ug/l	99
43) Isopropyl Acetate	8.29	43	79255	21.050	ug/l	99
44) Trichloroethene	8.96	130	50193	20.563	ug/l	99
45) 1,2-Dichloropropane	9.23	63	50832	20.757	ug/l	98
46) Dibromomethane	9.32	93	26858	20.969	ug/l	97
47) Bromodichloromethane	9.51	83	63737	20.618	ug/l	98
48) Methyl methacrylate	9.31	41	35251	20.702	ug/l	98
49) 1,4-Dioxane	9.31	88	7658	423.310	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	207231	107.125	ug/l	98
52) Toluene	10.25	92	126065	20.668	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	70506	20.631	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	83179	21.147	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	39523	20.926	ug/l	98
56) Ethyl methacrylate	10.52	69	59595	21.033	ug/l	94
57) 1,3-Dichloropropane	10.80	76	70297	20.948	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	150977	132.719	ug/l	100
59) 2-Hexanone	10.84	43	149534	103.023	ug/l	100
60) Dibromochloromethane	10.99	129	42446	20.384	ug/l	96
61) 1,2-Dibromoethane	11.10	107	37557	21.031	ug/l	97
64) Tetrachloroethene	10.73	164	41910	21.192	ug/l	97
65) Chlorobenzene	11.52	112	128820	20.482	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	45178	21.294	ug/l	98
67) Ethyl Benzene	11.60	91	245295	21.016	ug/l	100
68) m/p-Xylenes	11.71	106	183477	42.082	ug/l	99
69) o-Xylene	12.04	106	87016	20.993	ug/l	97
70) Styrene	12.05	104	150981	20.959	ug/l	100
71) Bromoform	12.22	173	25480	21.015	ug/l #	97
73) Isopropylbenzene	12.34	105	232437	20.328	ug/l	99
74) N-amyl acetate	12.15	43	76584	20.986	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.59	83	50074	20.509	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	39007m	22.655	ug/l	
77) Bromobenzene	12.61	156	51561	20.801	ug/l	97
78) n-propylbenzene	12.68	91	288690	20.730	ug/l	100
79) 2-Chlorotoluene	12.77	91	161539	20.682	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	196143	20.722	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	18570	20.462	ug/l	97
82) 4-Chlorotoluene	12.86	91	170293	20.672	ug/l	99
83) tert-Butylbenzene	13.08	119	166458	21.027	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	198339	21.018	ug/l	99
85) sec-Butylbenzene	13.26	105	243374	20.903	ug/l	100
86) p-Isopropyltoluene	13.38	119	216539	21.408	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	100888	20.986	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	103132	21.223	ug/l	99
89) n-Butylbenzene	13.70	91	218673	21.158	ug/l	98
90) Hexachloroethane	13.97	117	39522	20.739	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	92063	20.751	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8325	20.661	ug/l	97

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ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBSD01

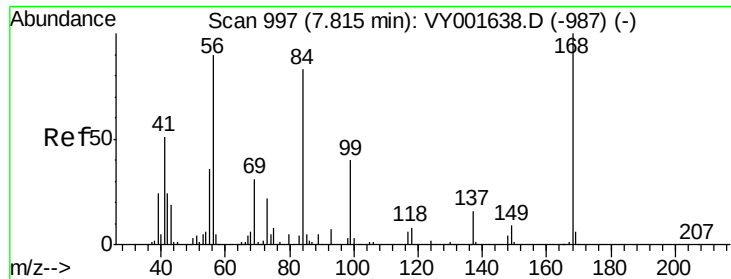
Manual Integrations
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2/19/2020 10:49:33 AM

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Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.01	180	62177	21.149	ug/l	98
94) Hexachlorobutadiene	15.12	225	30031	20.539	ug/l	98
95) Naphthalene	15.24	128	142133	20.967	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	55021	21.272	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion:168 Resp: 196105

Ion Ratio Lower Upper

168 100

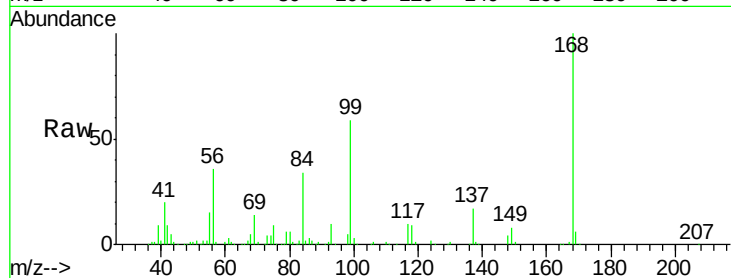
99 59.0 47.5 71.3

Manual Integrations

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2/19/2020 10:49:33 AM



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.81

80000

60000

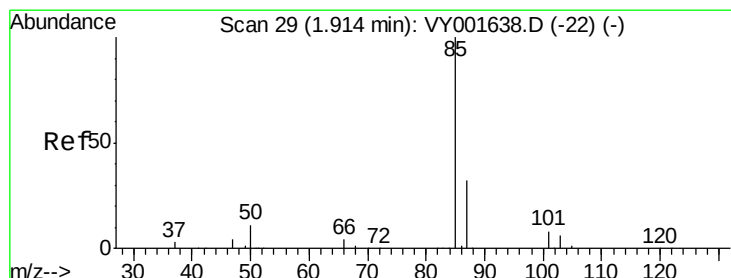
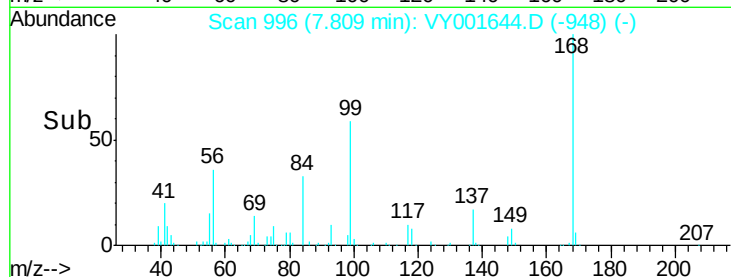
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.850 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001644.D

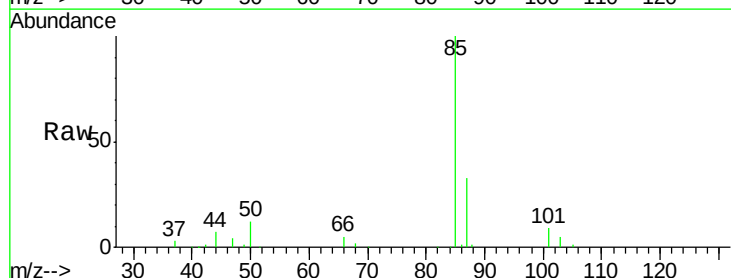
Acq: 17 Feb 2020 14:33

Tgt Ion: 85 Resp: 36033

Ion Ratio Lower Upper

85 100

87 32.6 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

30000

25000

20000

15000

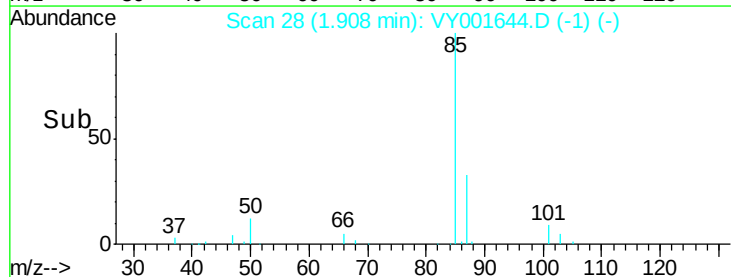
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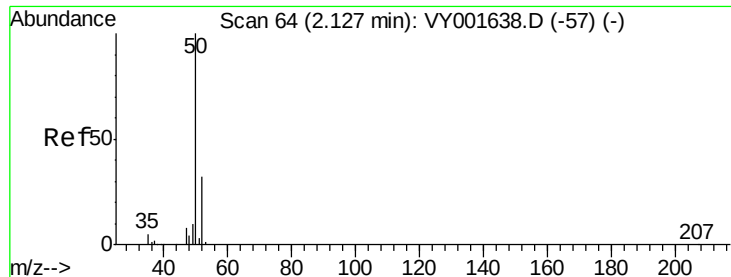
5000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 20.298 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion: 50 Resp: 52189

Ion Ratio Lower Upper

50 100

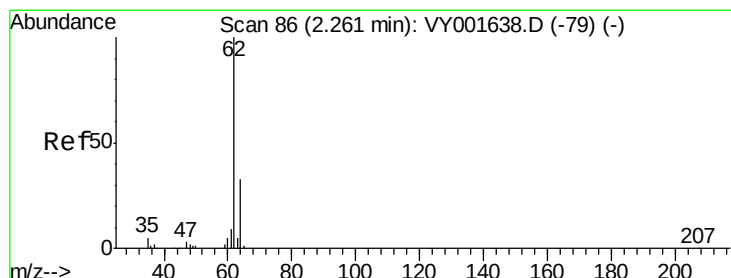
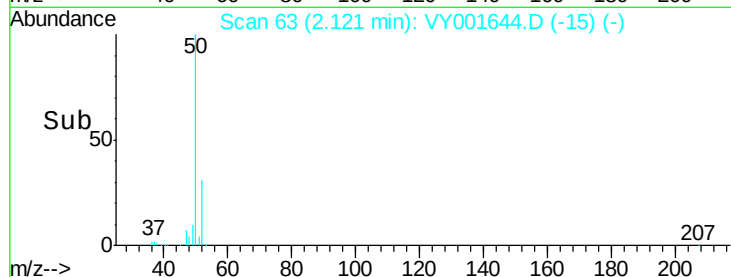
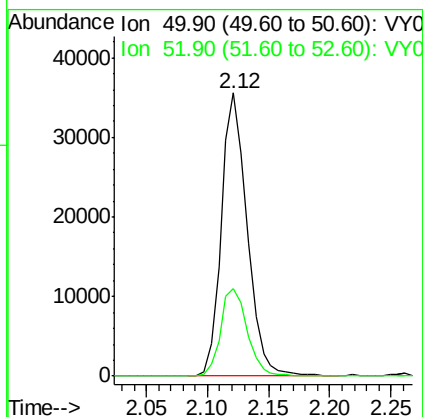
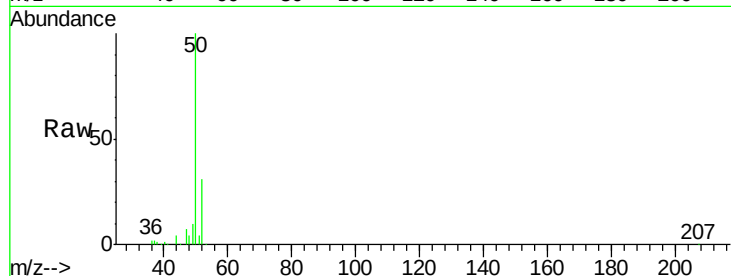
52 31.2 25.8 38.6

Manual Integrations

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2/19/2020 10:49:33 AM



#4

Vinyl Chloride

Concen: 20.429 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001644.D

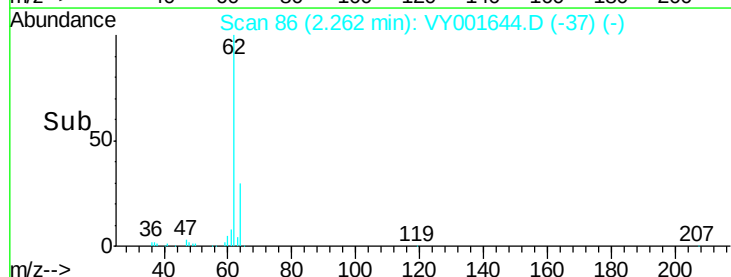
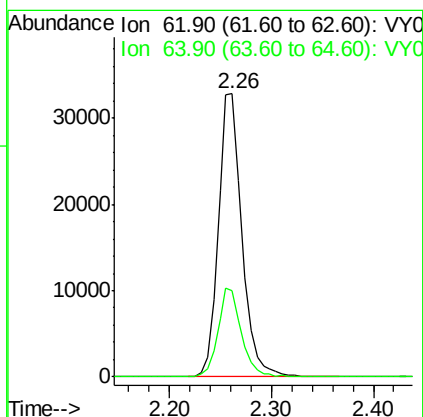
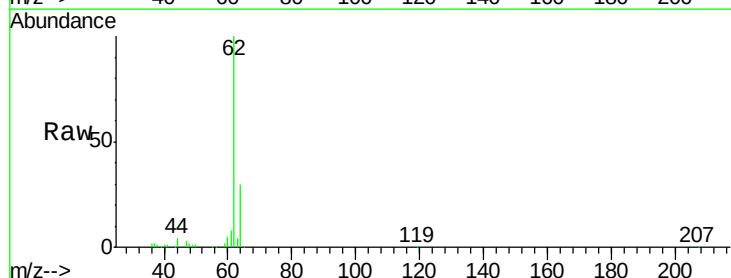
Acq: 17 Feb 2020 14:33

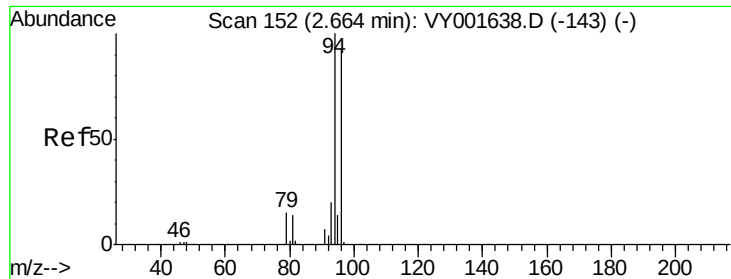
Tgt Ion: 62 Resp: 52979

Ion Ratio Lower Upper

62 100

64 30.4 24.9 37.3





#5

Bromomethane

Concen: 21.777 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion: 94 Resp: 35296

Ion Ratio Lower Upper

94 100

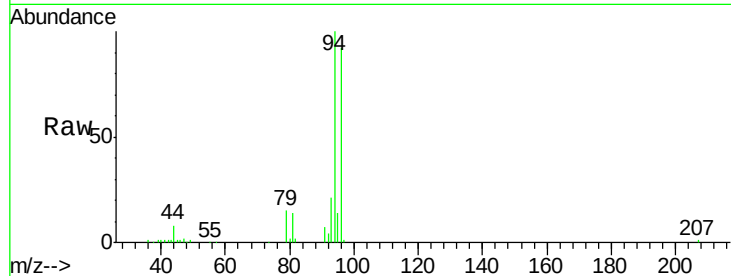
96 92.2 73.7 110.5

Manual Integrations

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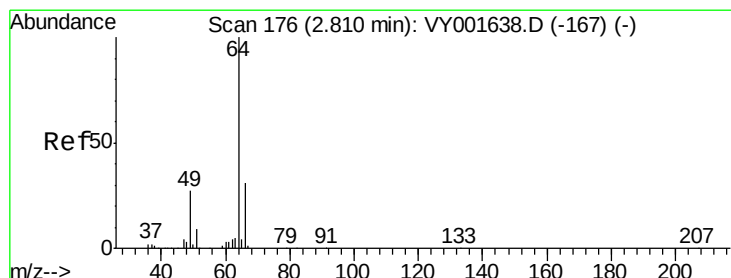
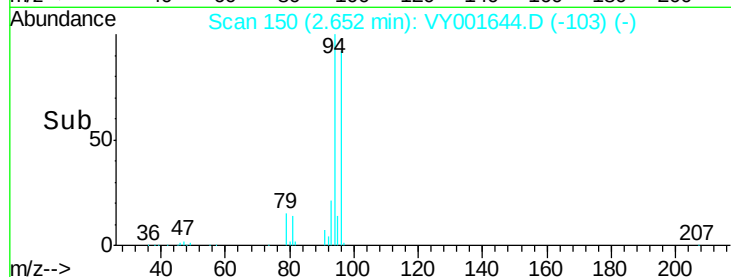
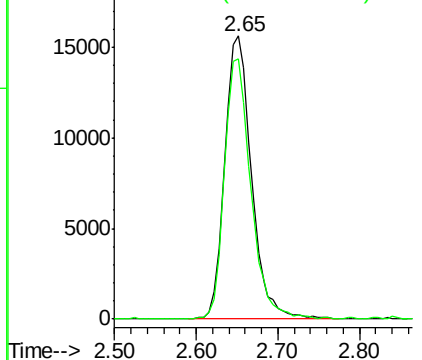
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 20.045 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY001644.D

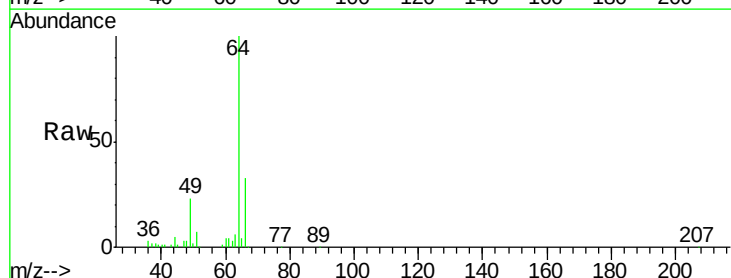
Acq: 17 Feb 2020 14:33

Tgt Ion: 64 Resp: 32033

Ion Ratio Lower Upper

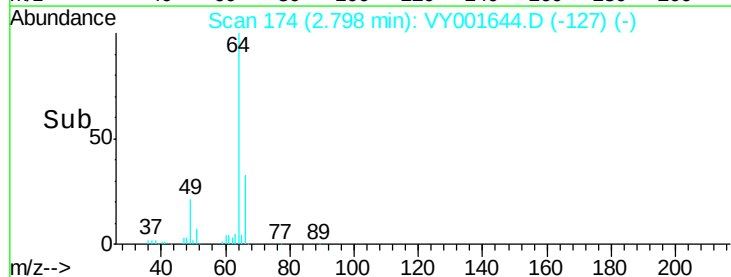
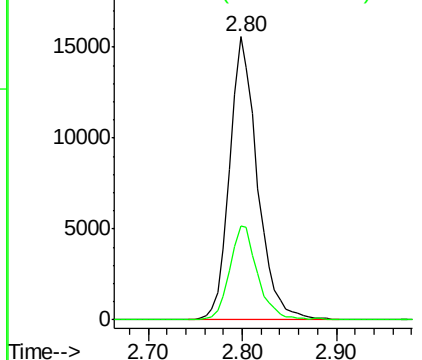
64 100

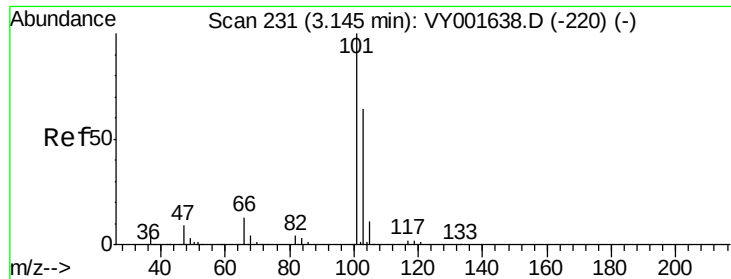
66 33.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

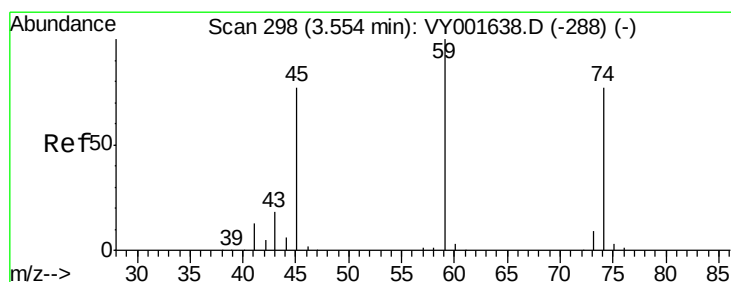
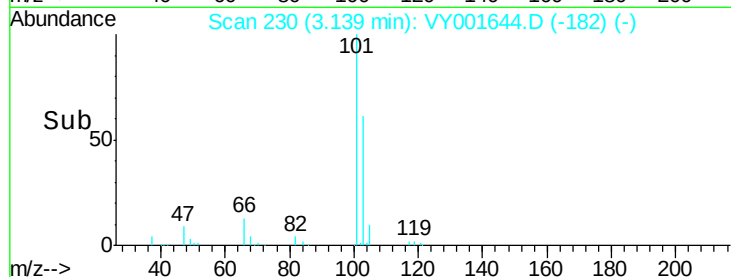
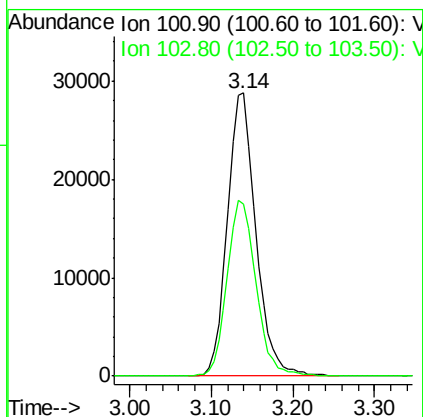
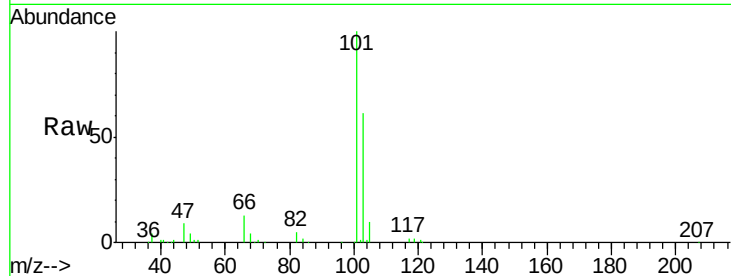
Trichlorofluoromethane
Concen: 20.916 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.01 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

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ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.8	52.2	78.2

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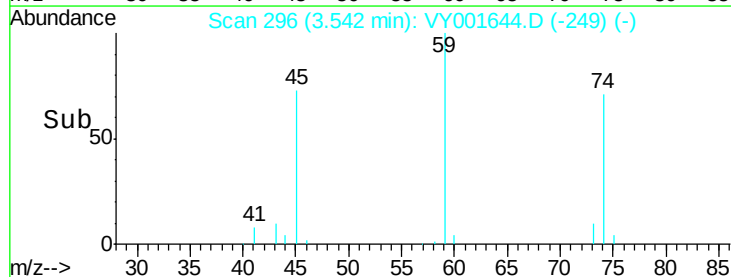
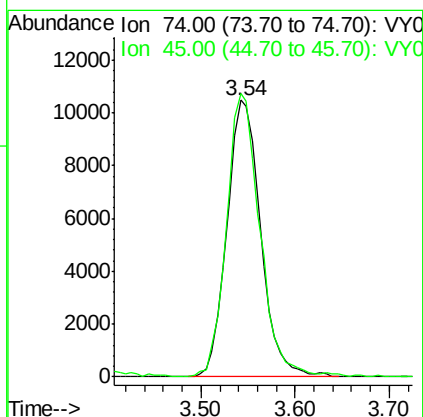
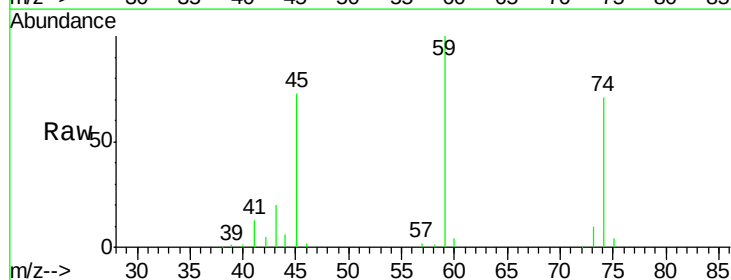
MMDadoda
2/19/2020 10:49:33 AM

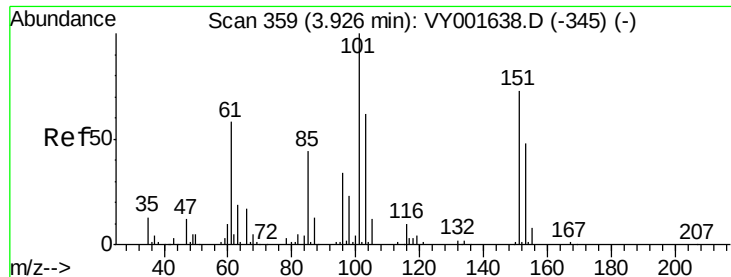


#8

Diethyl Ether
Concen: 19.910 ug/l
RT: 3.54 min Scan# 296
Delta R.T. -0.01 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.3	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.704 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_Y

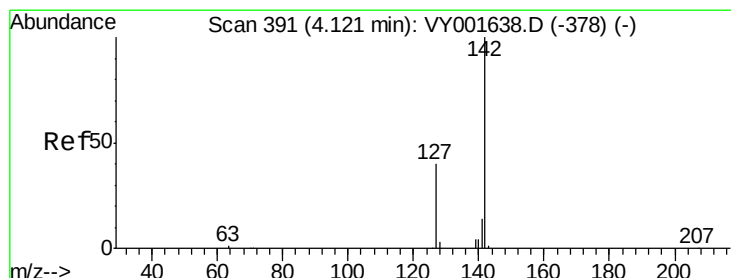
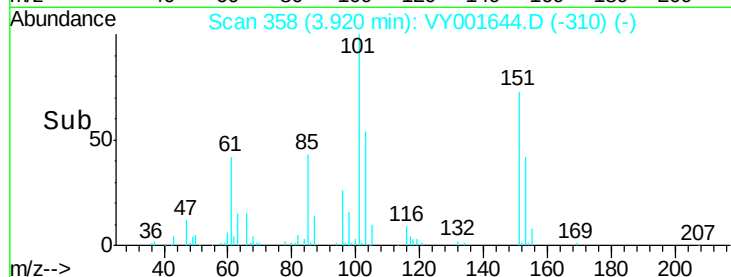
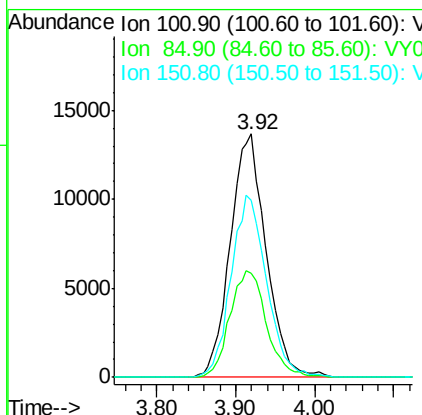
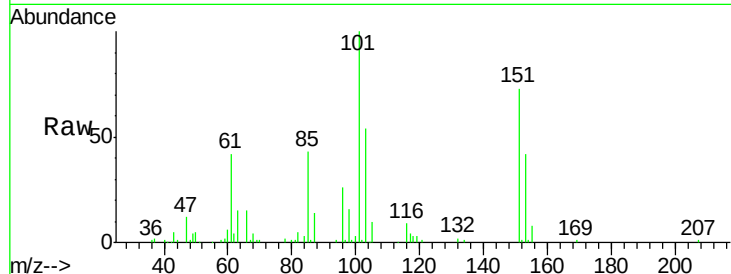
ClientSampleId :

VY0217SBS01

Tot Ion:	101	Resp:	43192
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.1	52.7
151	74.2	58.4	87.6

Manual Integrations
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2/19/2020 10:49:33 AM



#10

Methyl Iodide

Concen: 19.952 ug/l

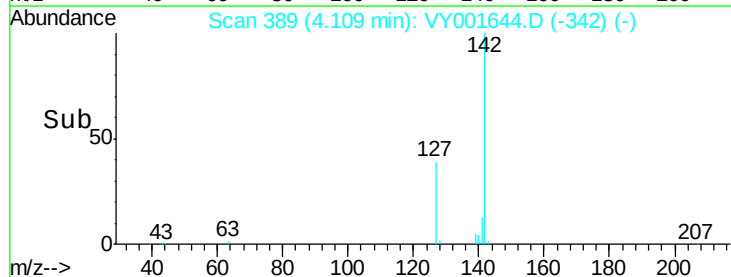
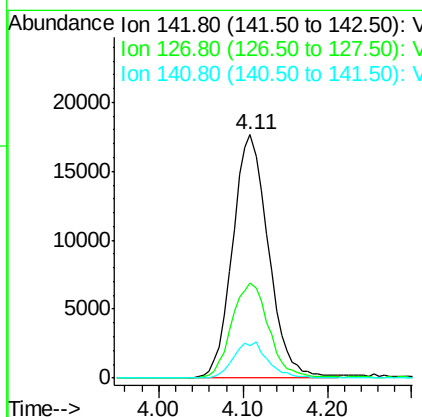
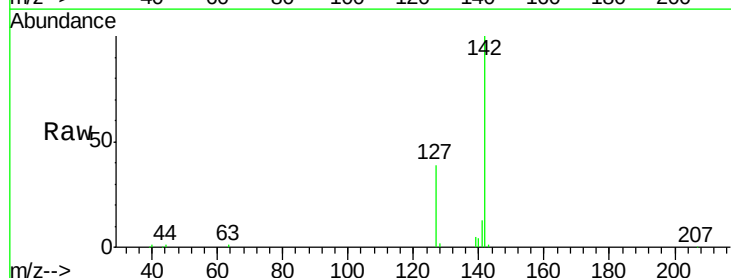
RT: 4.11 min Scan# 389

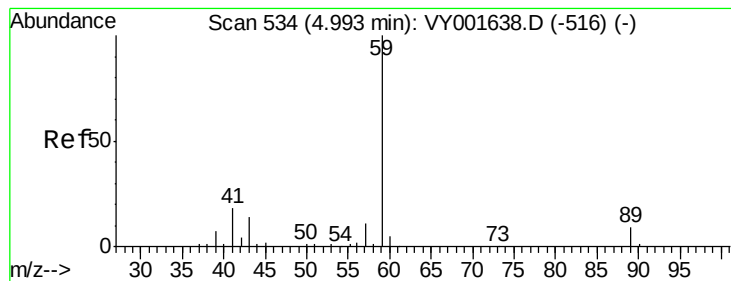
Delta R.T. -0.01 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Tgt Ion:	142	Resp:	50941
Ion Ratio	Lower	Upper	
142	100		
127	40.6	32.1	48.1
141	14.2	11.3	16.9





#11

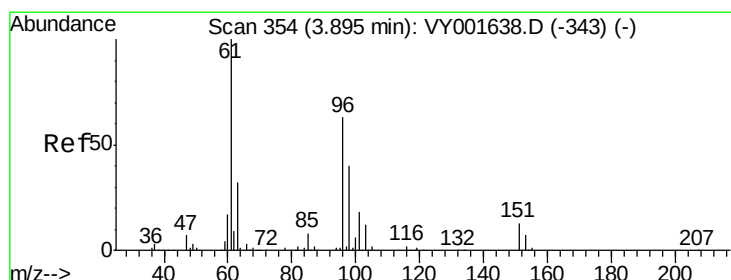
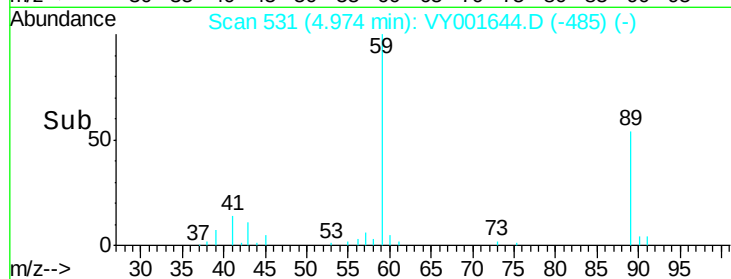
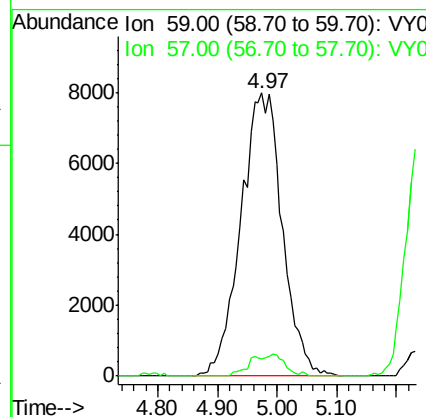
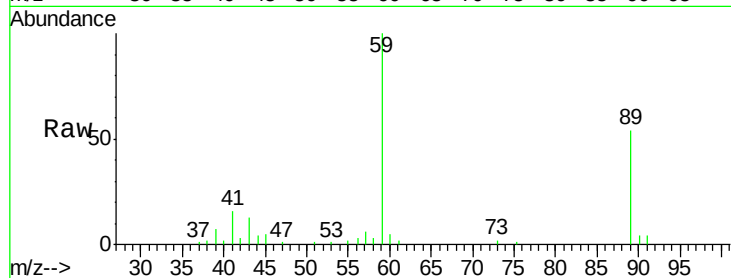
Tert butyl alcohol
 Concen: 147.031 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VY001644.D
 Acq: 17 Feb 2020 14:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	2.7	7.4	11.2#

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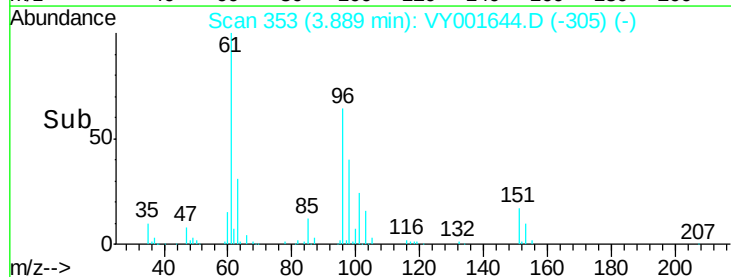
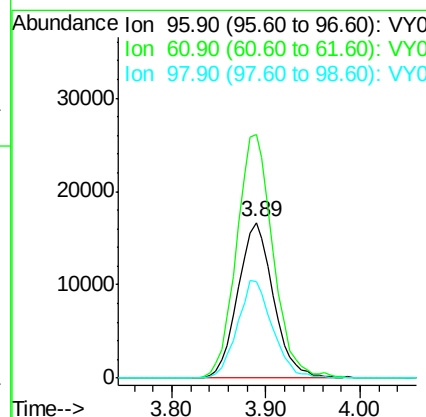
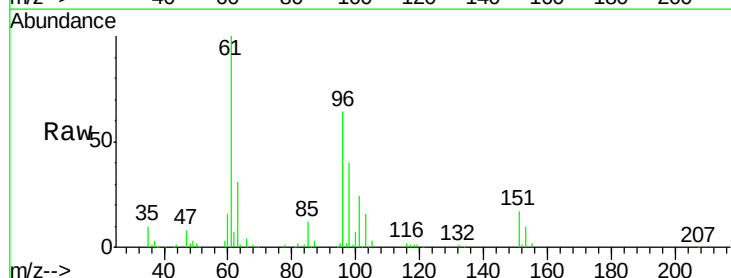
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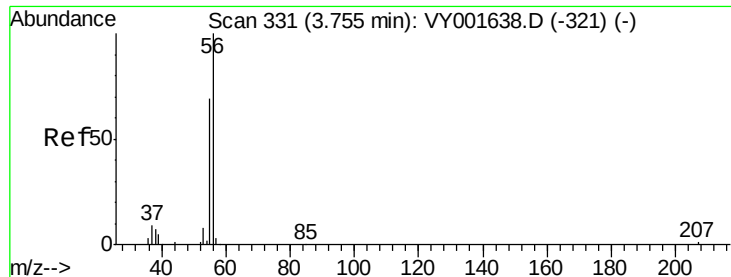


#12

1,1-Dichloroethene
 Concen: 20.678 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VY001644.D
 Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.0	128.7	193.1
98	62.3	50.7	76.1





#13

Acrolein

Concen: 104.822 ug/l

RT: 3.74 min Scan# 329

Delta R.T. -0.01 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion: 56 Resp: 22331

Ion Ratio Lower Upper

56 100

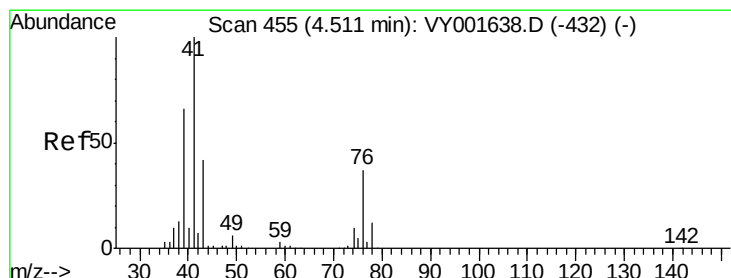
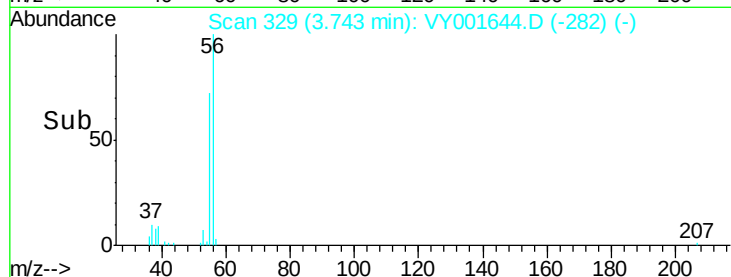
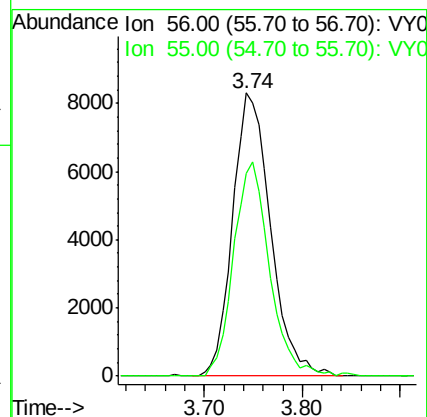
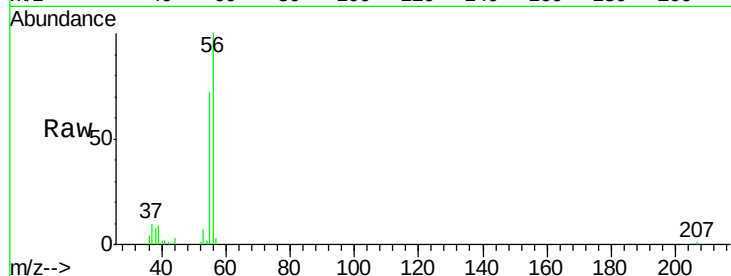
55 71.6 56.1 84.1

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#14

Allyl chloride

Concen: 20.557 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.01 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

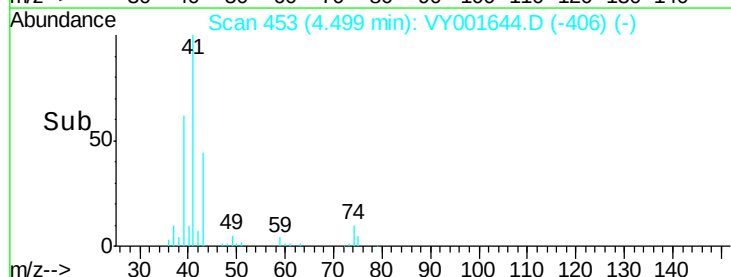
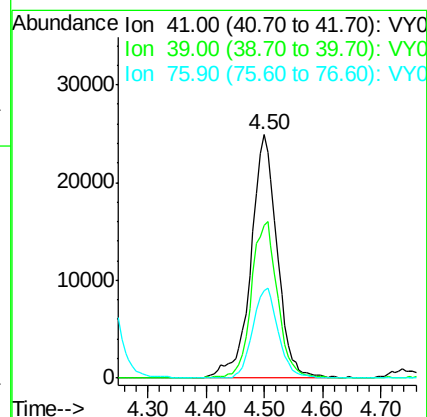
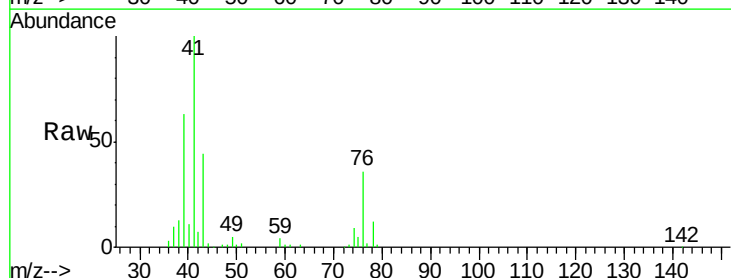
Tgt Ion: 41 Resp: 77845

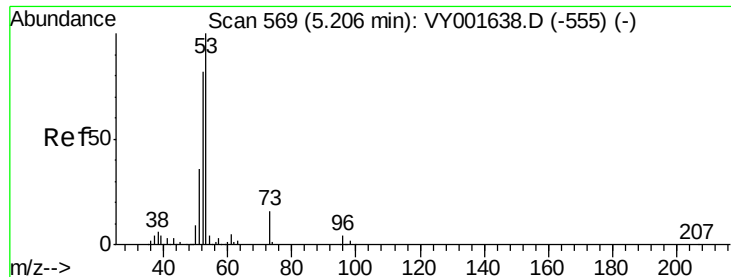
Ion Ratio Lower Upper

41 100

39 64.3 49.4 74.0

76 36.0 29.0 43.6





#15

Acrylonitrile

Concen: 106.555 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.02 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_Y

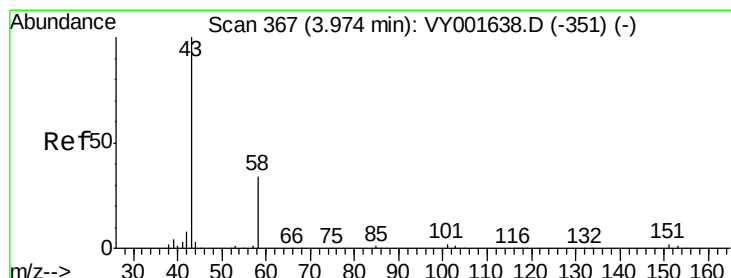
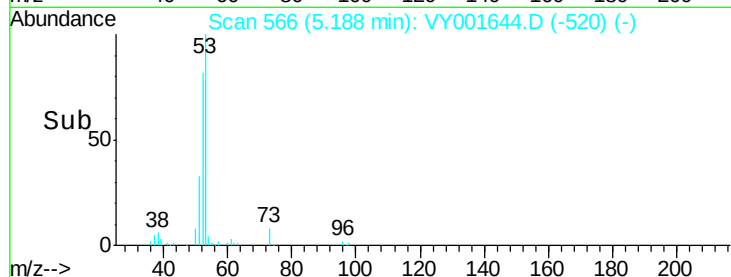
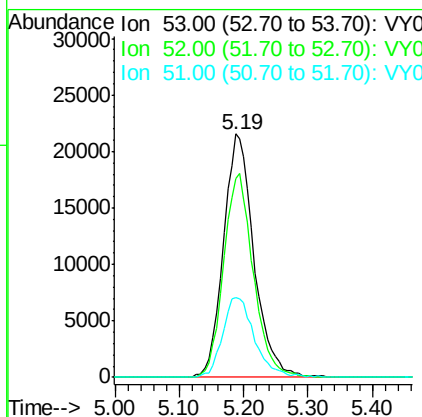
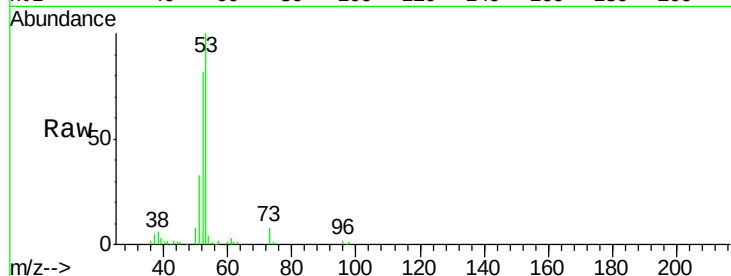
ClientSampleId :

VY0217SBS01

Tot Ion:	53	Resp:	71465
Ion Ratio	Lower	Upper	
53	100		
52	81.7	65.4	98.0
51	34.6	28.0	42.0

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#16

Acetone

Concen: 94.081 ug/l

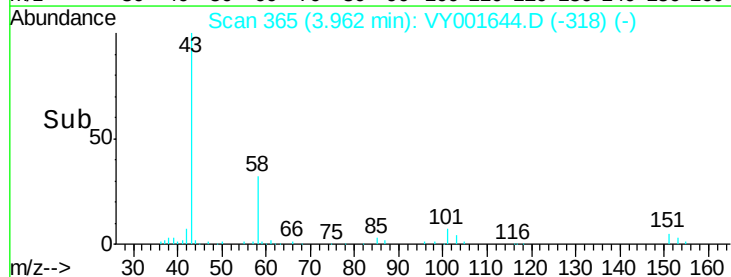
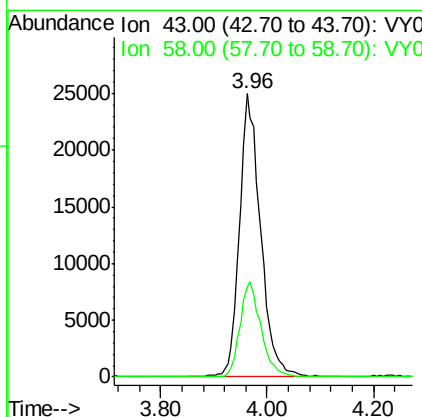
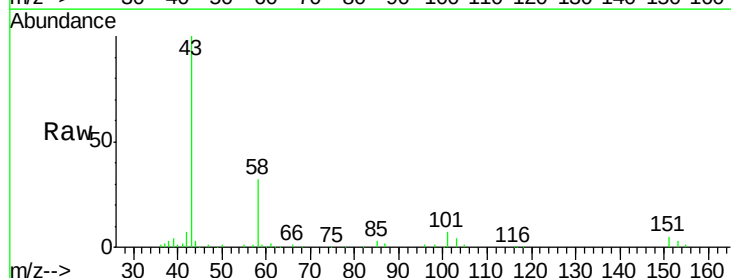
RT: 3.96 min Scan# 365

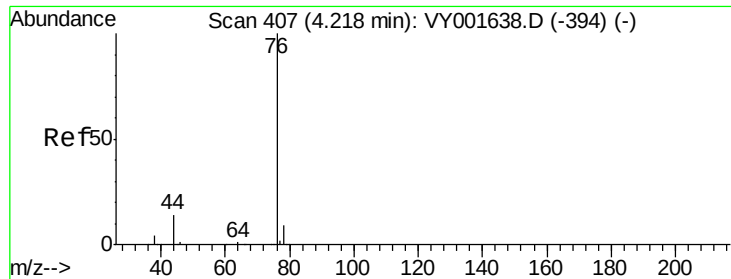
Delta R.T. -0.01 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Tgt Ion:	43	Resp:	68667
Ion Ratio	Lower	Upper	
43	100		
58	32.0	27.3	40.9





#17

Carbon Disulfide

Concen: 20.163 ug/l

RT: 4.21 min Scan# 406

Delta R.T. -0.01 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion: 76 Resp: 143230

Ion Ratio Lower Upper

76 100

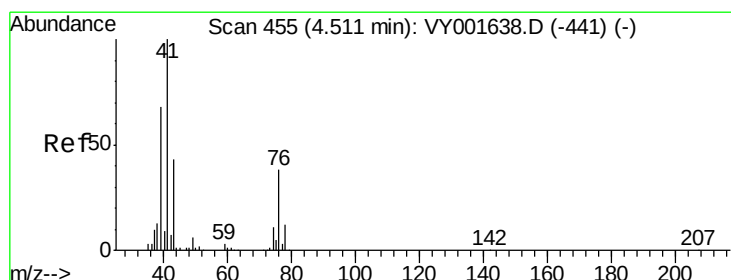
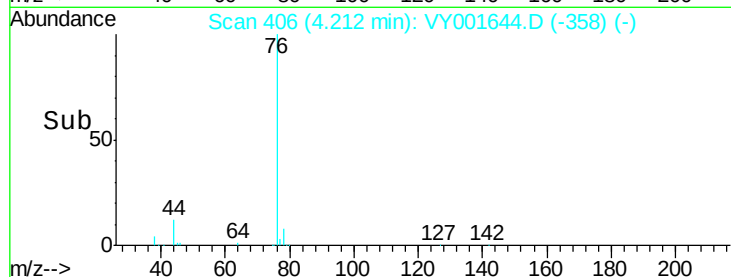
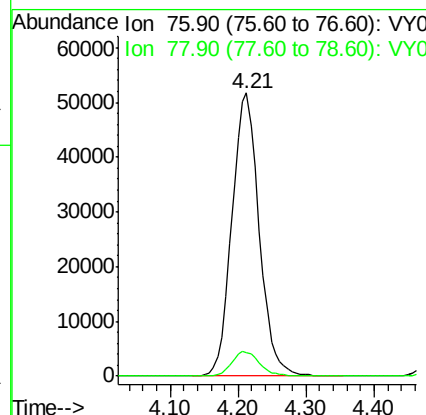
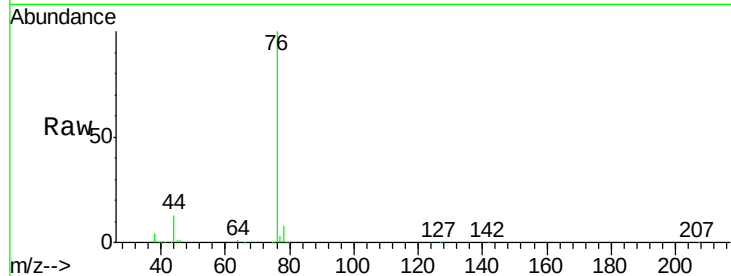
78 8.3 7.3 10.9

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#18

Methyl Acetate

Concen: 20.862 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.01 min

Lab File: VY001644.D

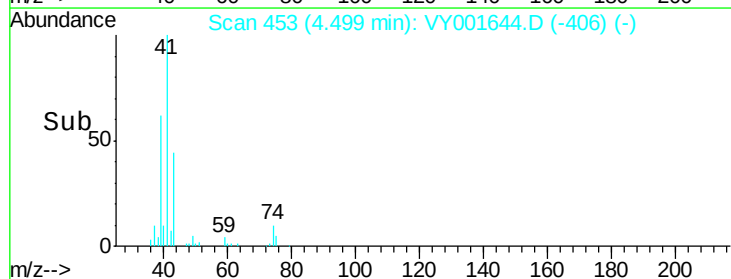
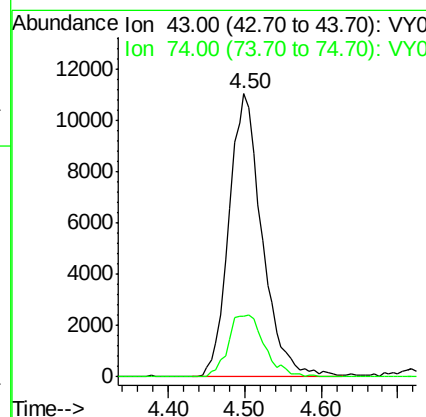
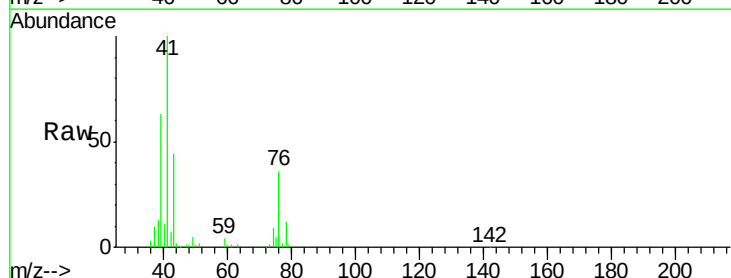
Acq: 17 Feb 2020 14:33

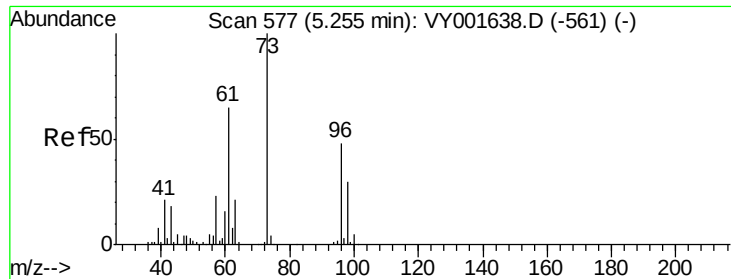
Tgt Ion: 43 Resp: 33159

Ion Ratio Lower Upper

43 100

74 23.7 19.1 28.7





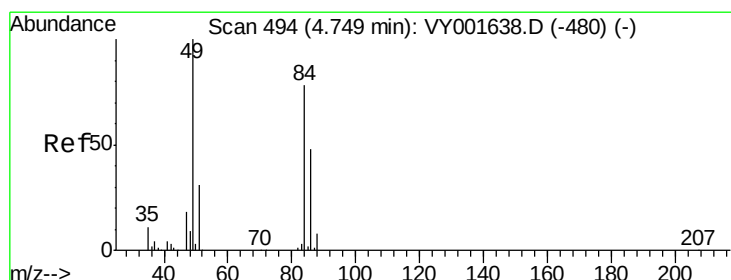
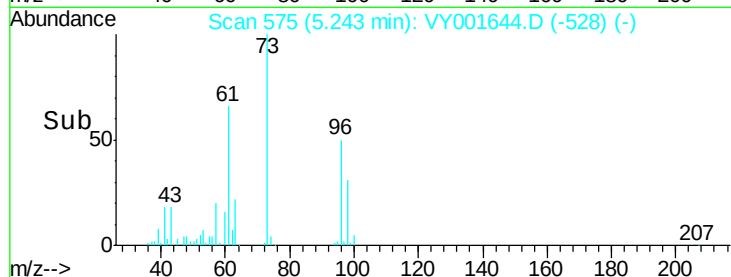
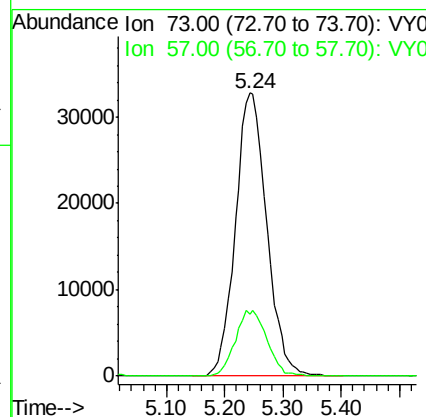
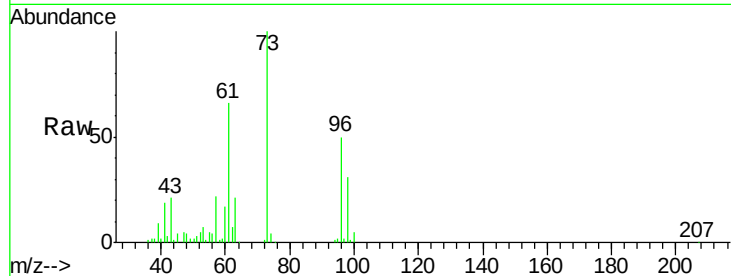
#19
Methyl tert-butyl Ether
Concen: 20.607 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.01 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion: 73 Resp: 122077
Ion Ratio Lower Upper
73 100
57 21.7 19.0 28.6

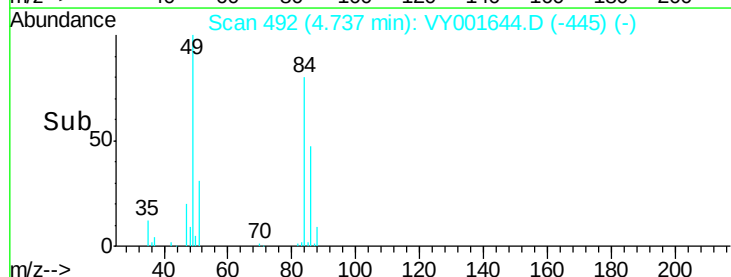
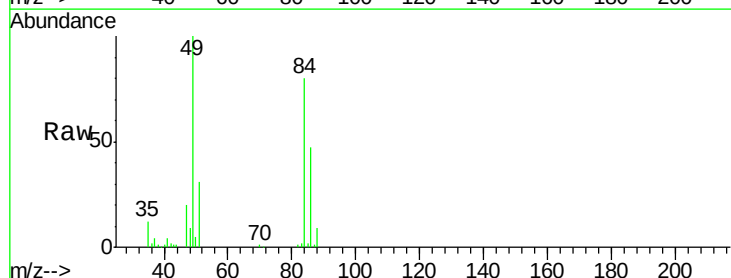
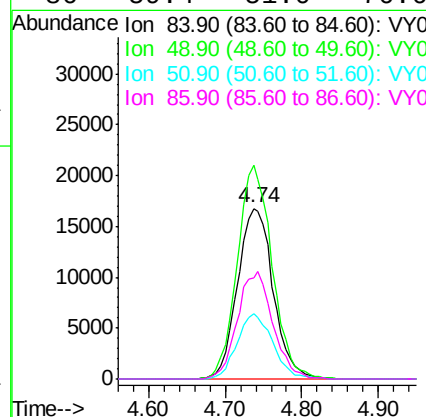
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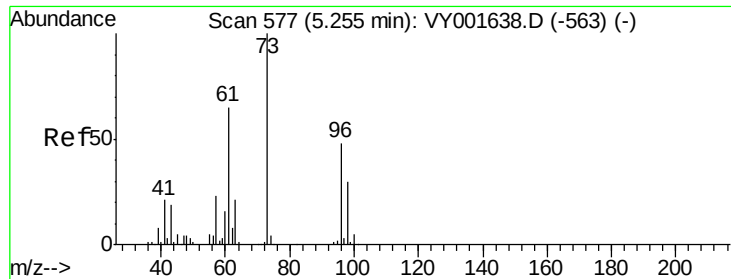
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#20
Methylene Chloride
Concen: 20.942 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.01 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Tgt Ion: 84 Resp: 54293
Ion Ratio Lower Upper
84 100
49 125.4 99.2 148.8
51 38.4 31.5 47.3
86 59.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.608 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.01 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_Y

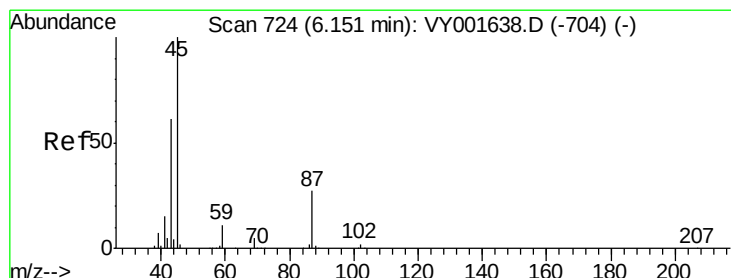
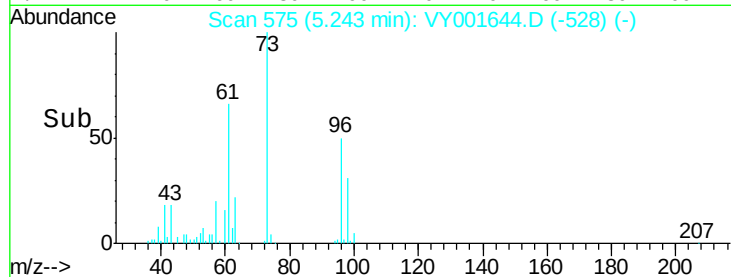
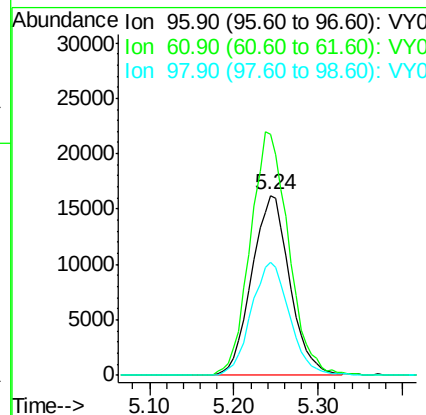
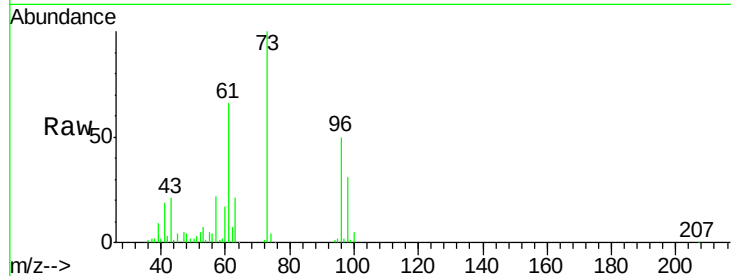
ClientSampleId :

VY0217SBS01

Tot Ion:	96	Resp:	50028
Ion	Ratio	Lower	Upper
96	100		
61	133.7	107.9	161.9
98	62.6	49.8	74.8

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#22

Diisopropyl ether

Concen: 20.693 ug/l

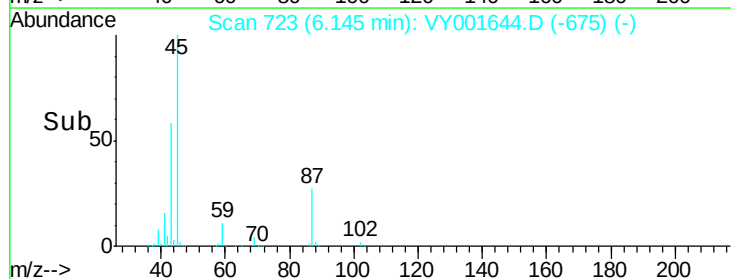
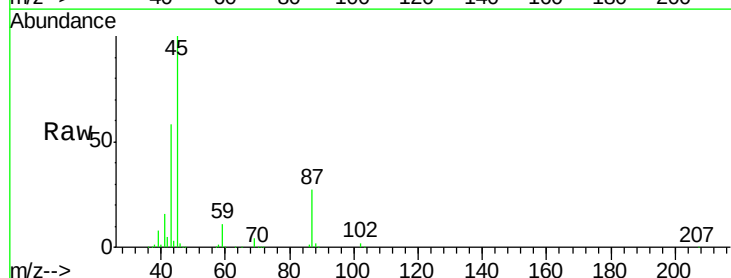
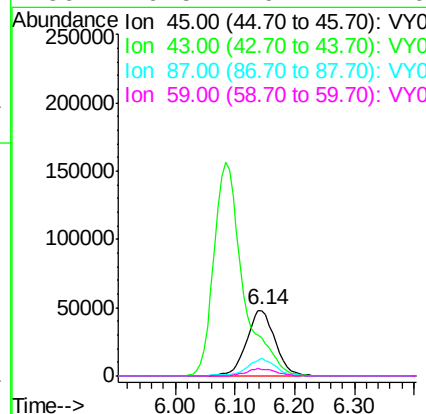
RT: 6.14 min Scan# 723

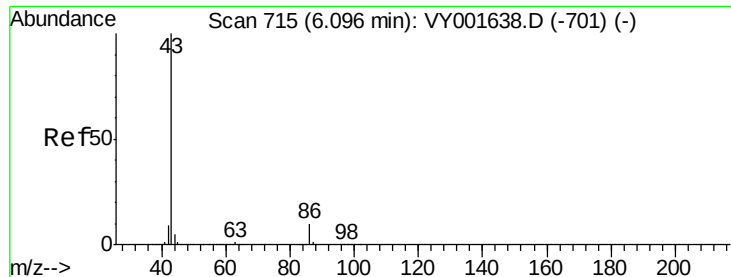
Delta R.T. -0.01 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Tgt Ion:	45	Resp:	160925
Ion	Ratio	Lower	Upper
45	100		
43	57.4	46.4	69.6
87	26.7	22.1	33.1
59	10.5	9.4	14.0





#23

Vinyl Acetate

Concen: 104.308 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.01 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion: 43 Resp: 529121

Ion Ratio Lower Upper

43 100

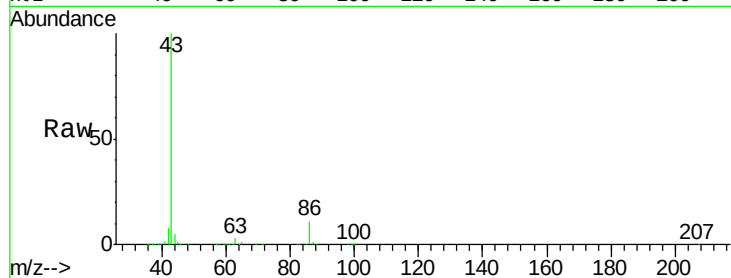
86 10.7 8.8 13.2

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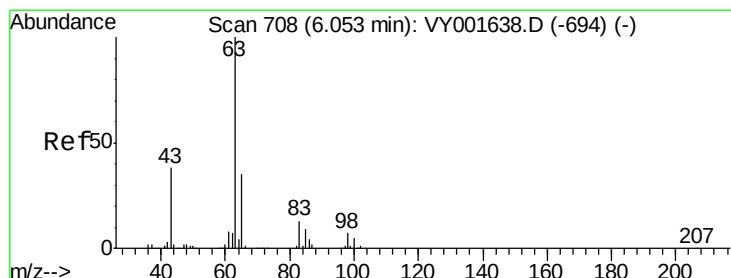
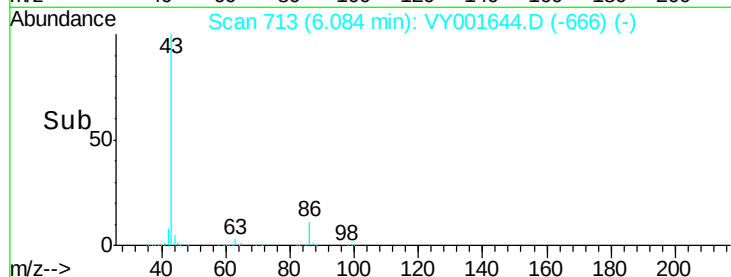
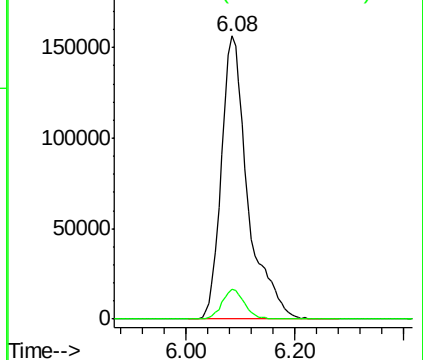
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 20.679 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

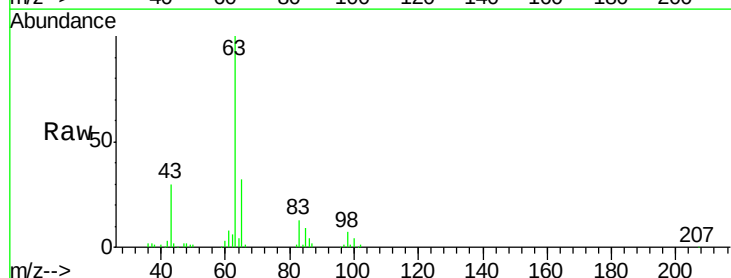
Tgt Ion: 63 Resp: 85953

Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.2

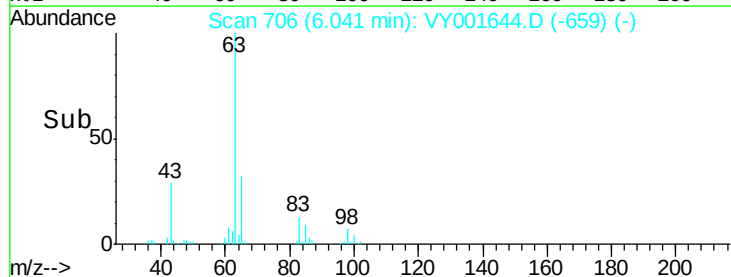
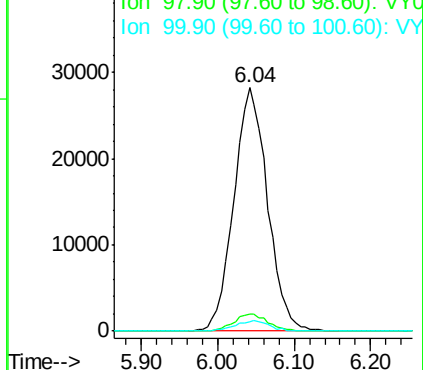
100 3.8 2.3 6.9

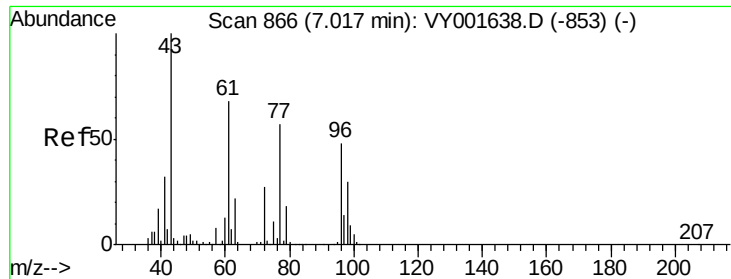


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 102.227 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion: 43 Resp: 101359

Ion Ratio Lower Upper

43 100

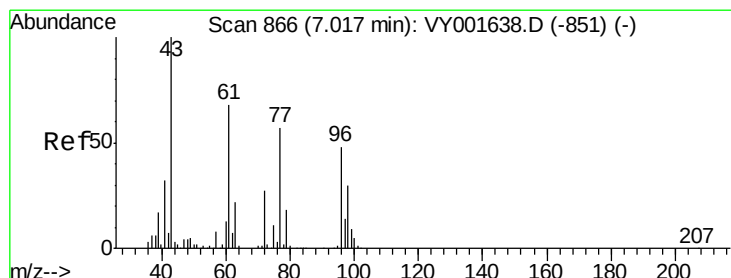
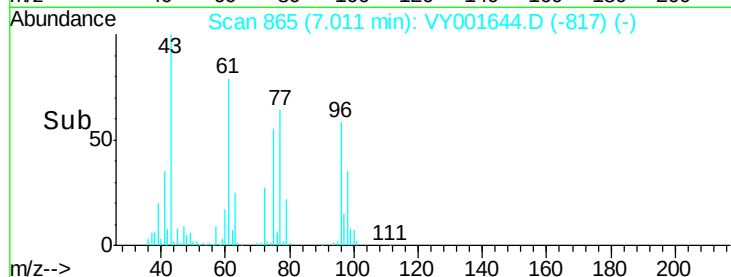
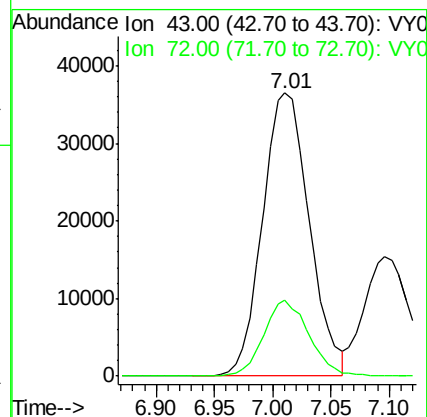
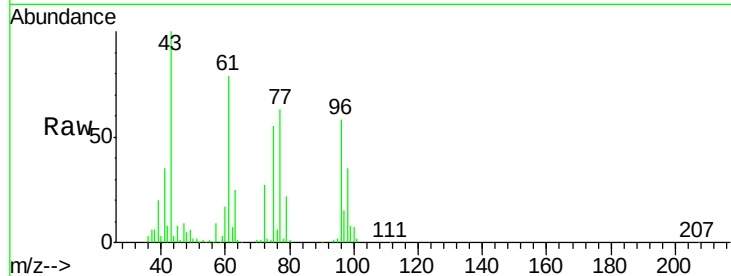
72 26.9 21.2 31.8

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#26

2,2-Dichloropropane

Concen: 20.652 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY001644.D

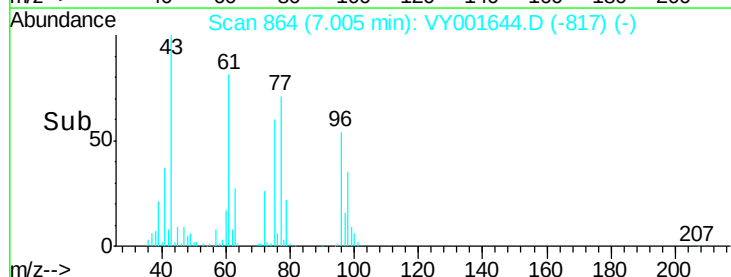
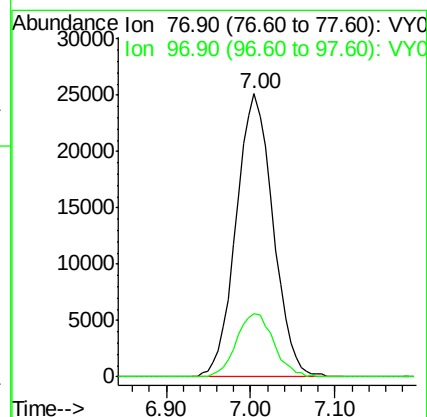
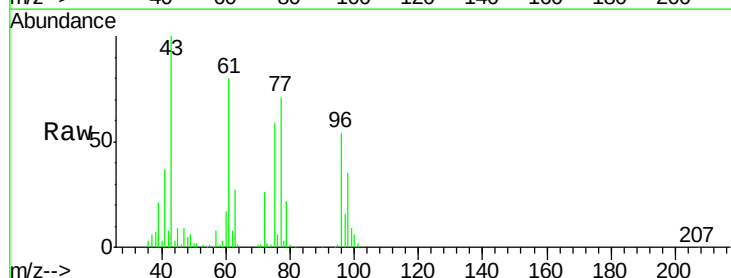
Acq: 17 Feb 2020 14:33

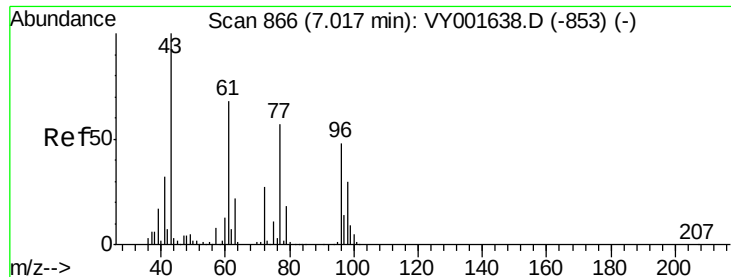
Tgt Ion: 77 Resp: 74683

Ion Ratio Lower Upper

77 100

97 22.7 11.8 35.4





#27

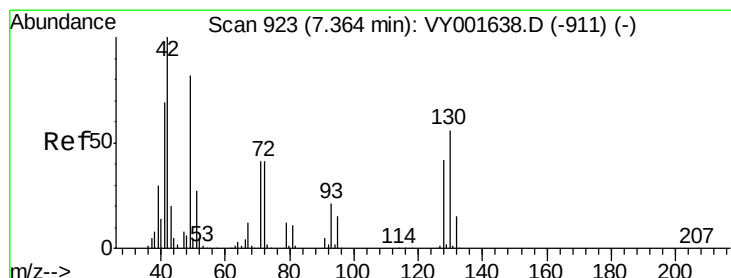
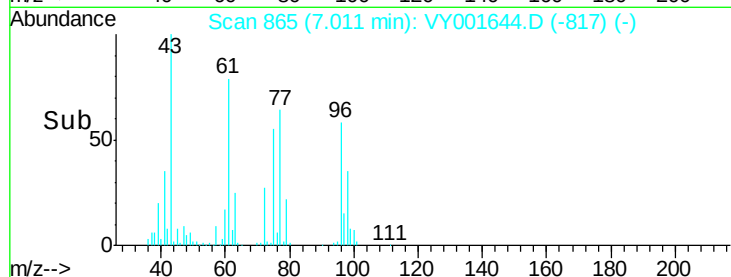
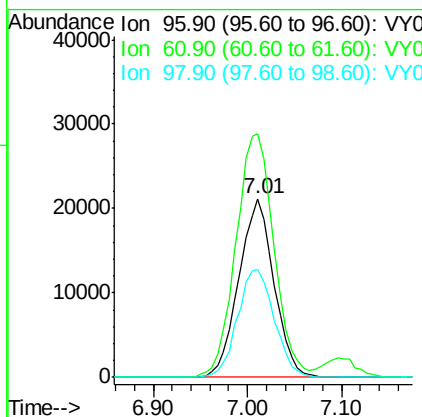
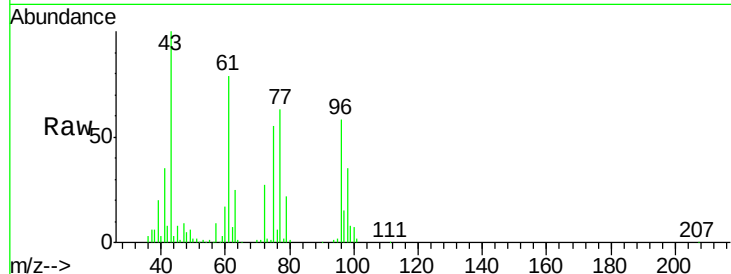
cis-1,2-Dichloroethene
Concen: 20.599 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	55199		
61	147.1		0.0	290.8
98	63.4		0.0	128.6

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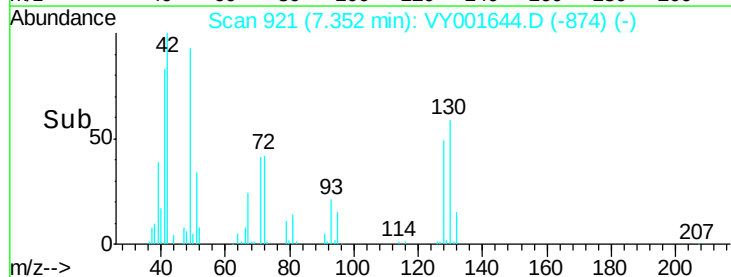
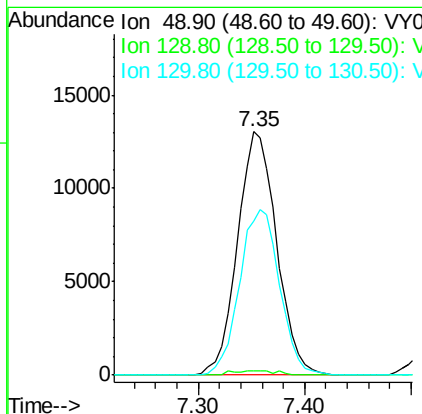
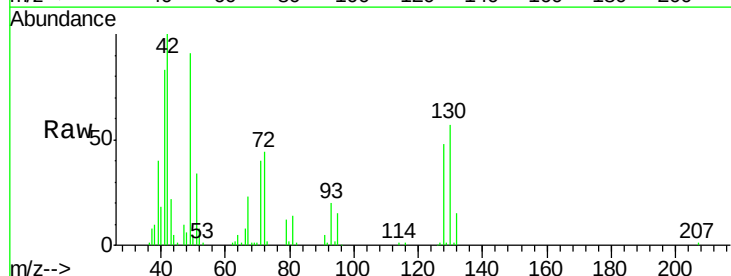
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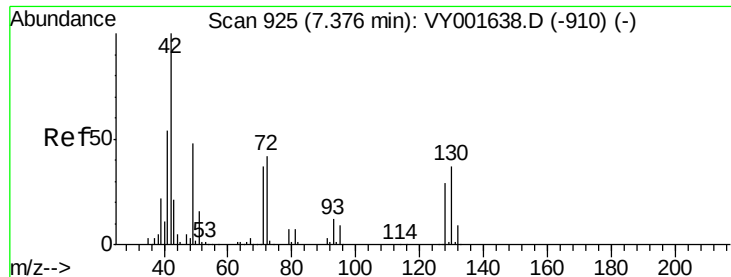


#28

Bromochloromethane
Concen: 19.382 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	33558		
129	2.0		0.0	3.6
130	69.5		56.2	84.4





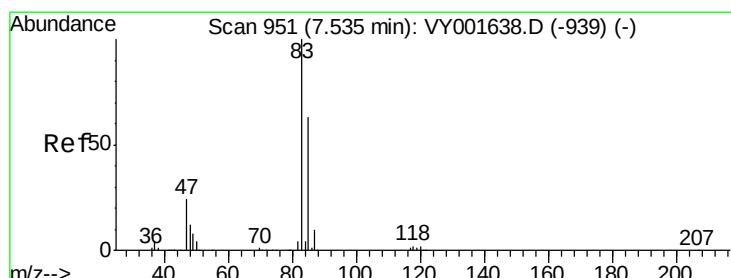
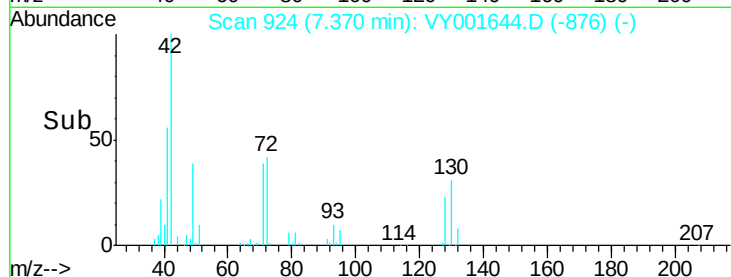
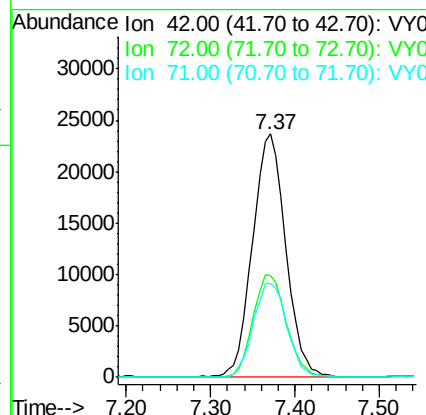
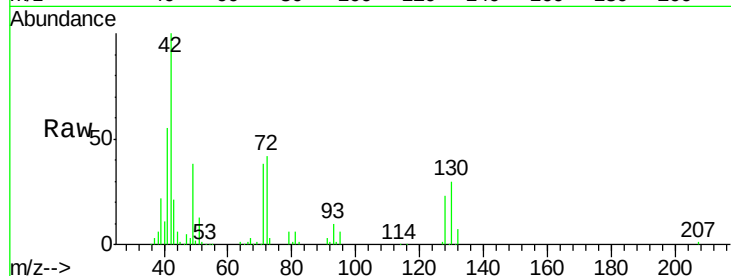
#29
Tetrahydrofuran
Concen: 106.283 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.4	51.6
71	39.3	31.8	47.8

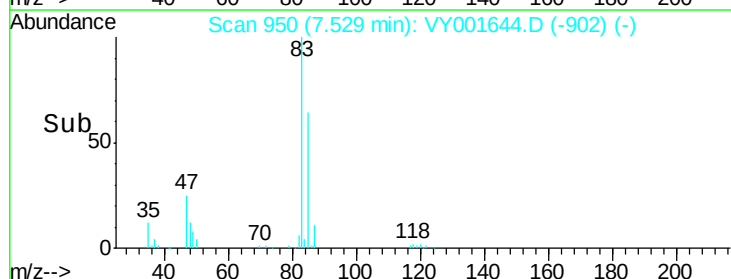
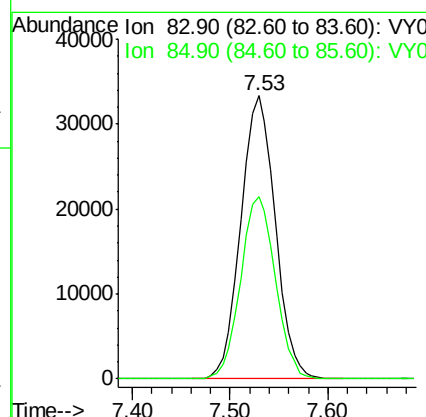
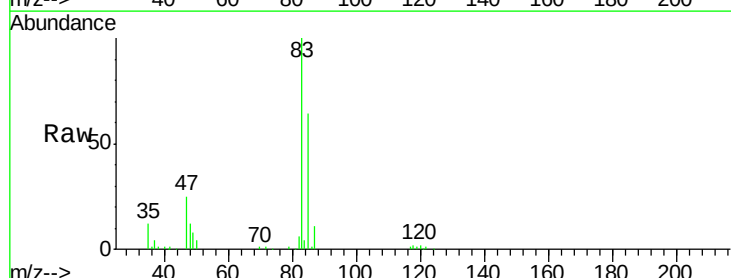
Manual Integrations
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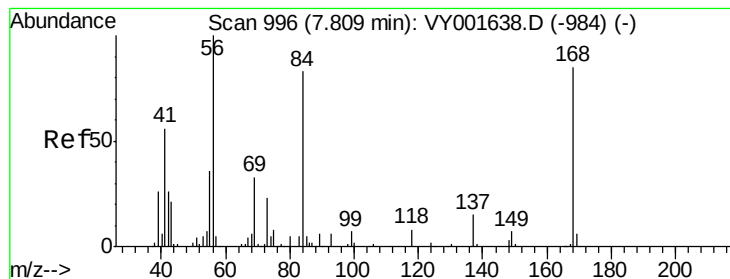
MMDadoda
2/19/2020 10:49:33 AM



#30
Chloroform
Concen: 20.071 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.6	77.4





#31

Cyclohexane

Concen: 20.677 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_Y

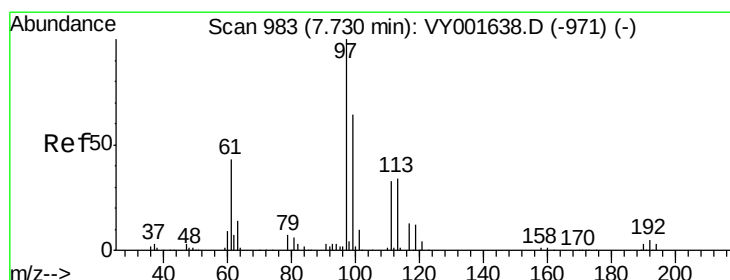
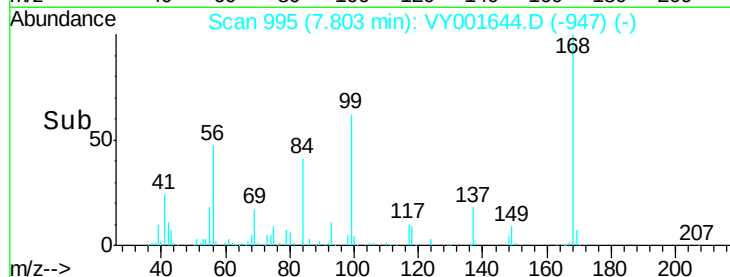
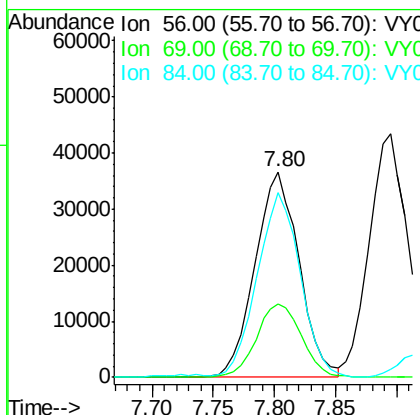
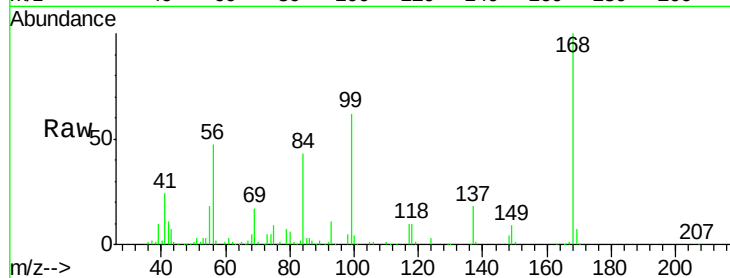
ClientSampleId :

VY0217SBS01

Tot Ion:	56	Resp:	91633
Ion	Ratio	Lower	Upper
56	100		
69	35.9	25.1	37.7
84	88.9	66.9	100.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.728 ug/l

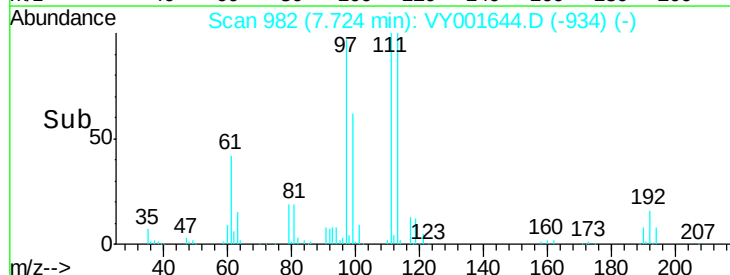
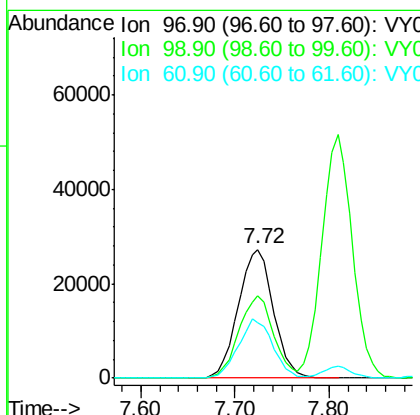
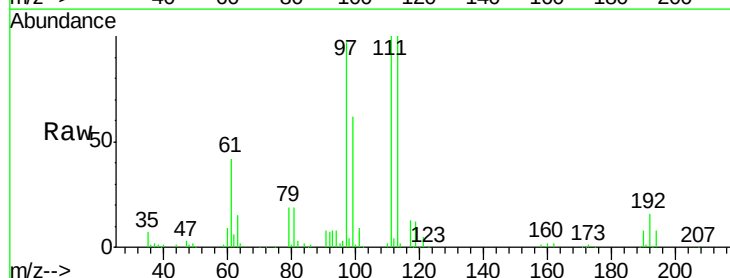
RT: 7.72 min Scan# 982

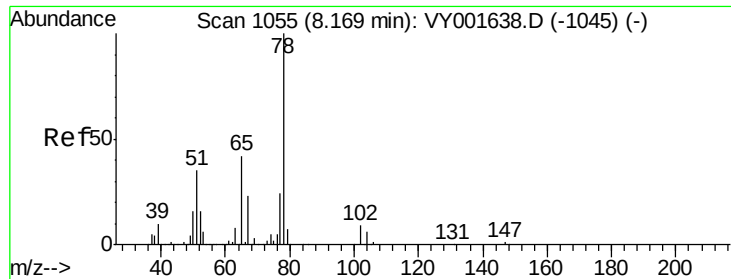
Delta R.T. -0.01 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Tgt Ion:	97	Resp:	70753
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	45.3	35.0	52.6





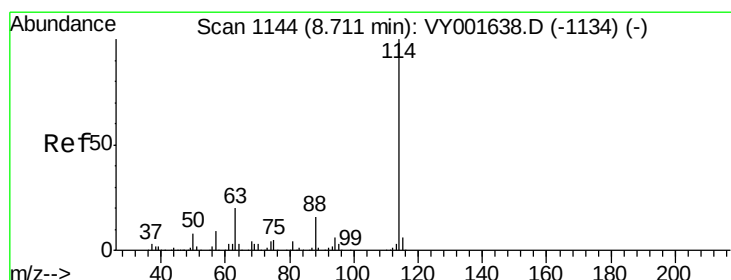
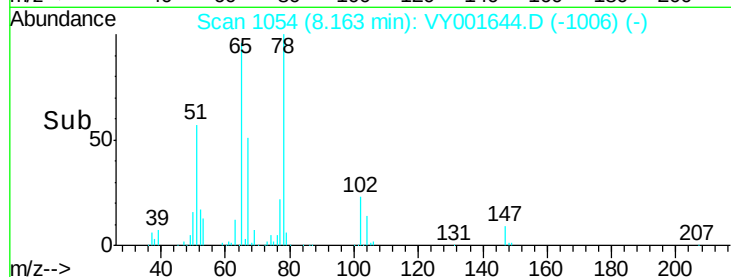
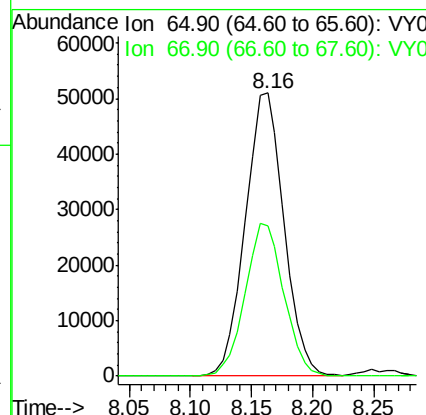
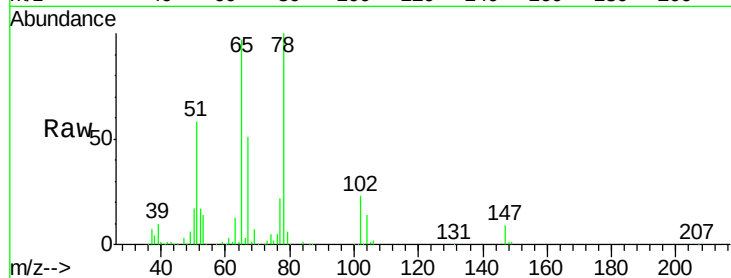
#33
 1,2-Dichloroethane-d4
 Concen: 53.236 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001644.D
 Acq: 17 Feb 2020 14:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	112296		
67	54.0	0.0	111.0	

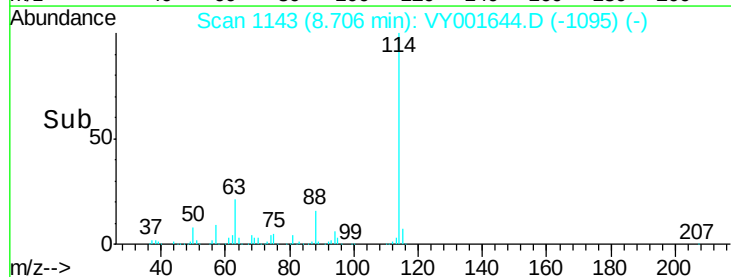
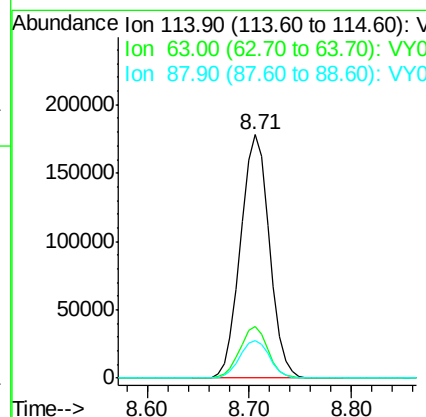
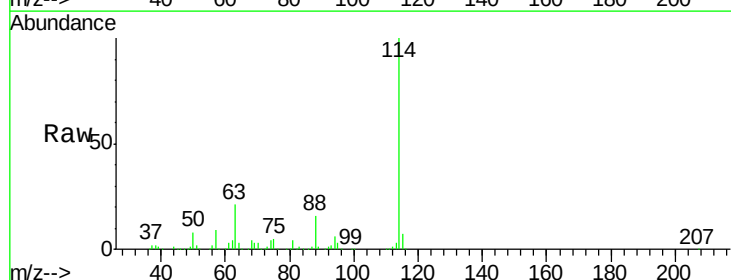
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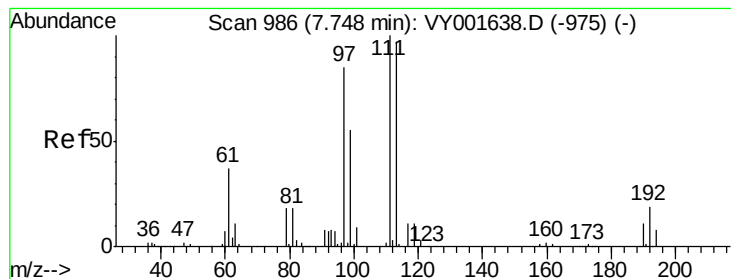
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001644.D
 Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	348072		
63	21.0	0.0	41.4	
88	15.6	0.0	32.8	





#35

Dibromofluoromethane

Concen: 51.454 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_Y

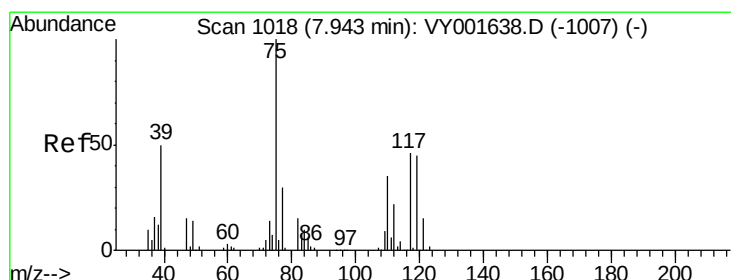
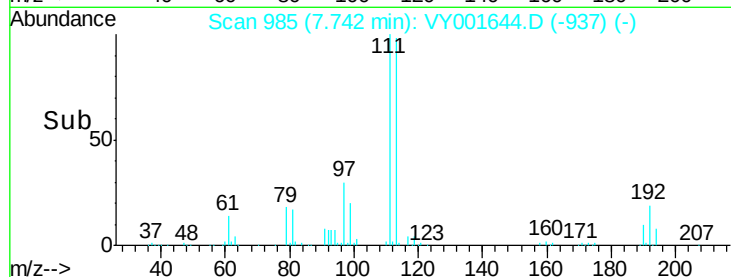
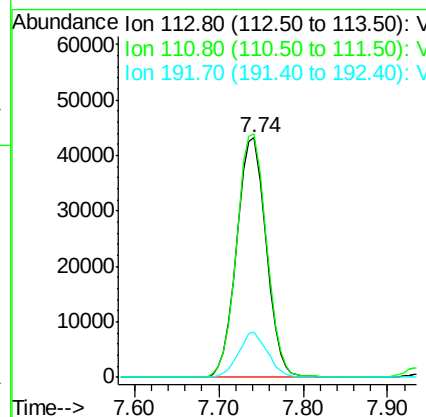
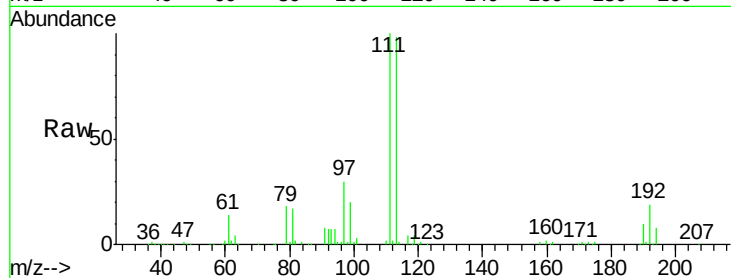
ClientSampleId :

VY0217SBS01

Tot Ion:	113	Resp:	102579
Ion Ratio	Lower	Upper	
113	100		
111	102.5	81.9	122.9
192	18.3	14.3	21.5

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#36

1,1-Dichloropropene

Concen: 20.639 ug/l

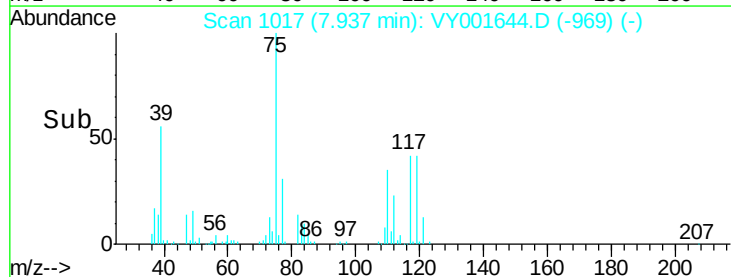
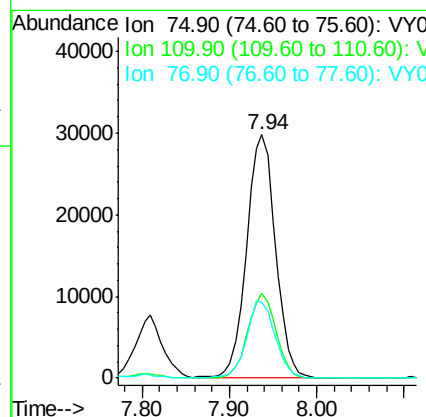
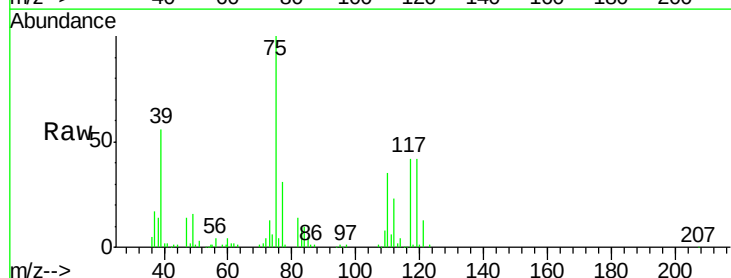
RT: 7.94 min Scan# 1017

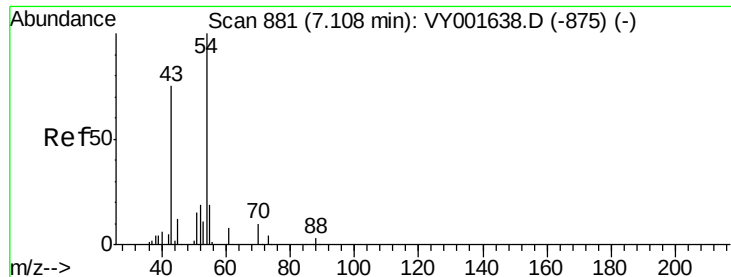
Delta R.T. -0.01 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Tgt Ion:	75	Resp:	68621
Ion Ratio	Lower	Upper	
75	100		
110	33.7	17.2	51.6
77	31.3	24.8	37.2





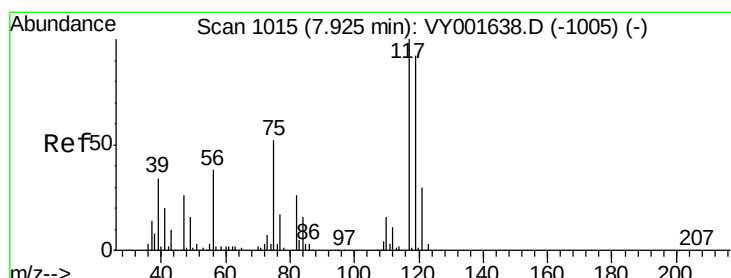
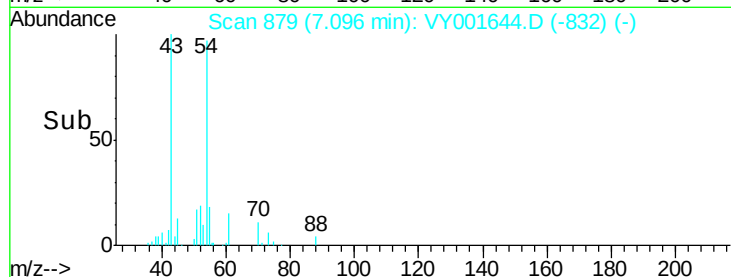
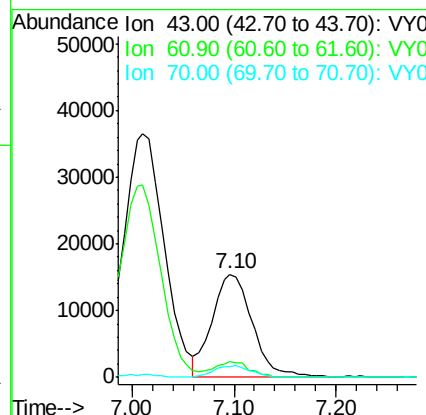
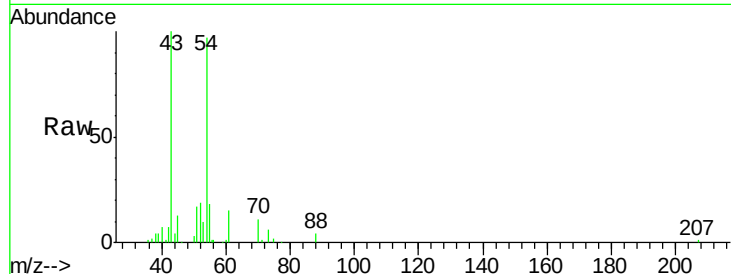
#37
Ethyl Acetate
Concen: 21.084 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.0	16.6
70	10.6	8.8	13.2

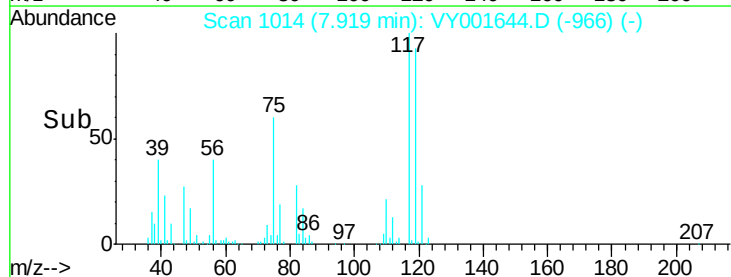
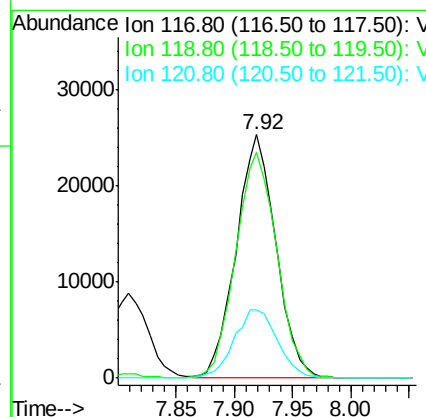
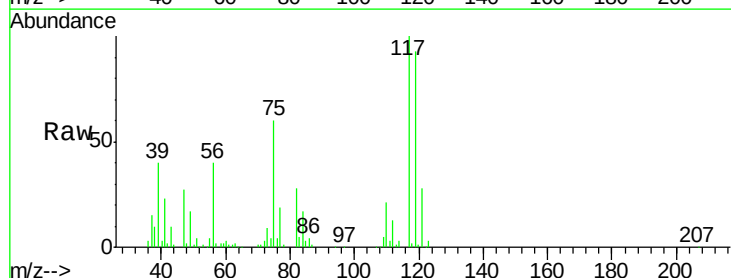
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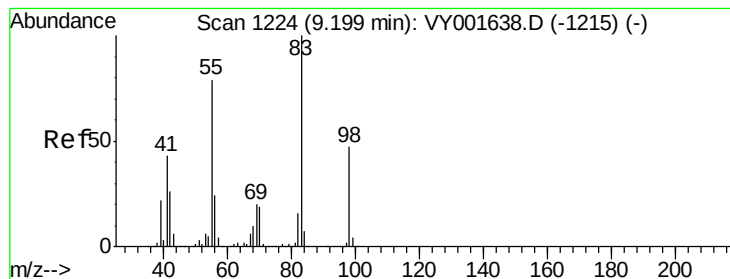
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#38
Carbon Tetrachloride
Concen: 20.593 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	74.8	112.2
121	28.2	23.8	35.6





#39

Methylvlcyclohexane

Concen: 20.813 ug/l

RT: 9.19 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_Y

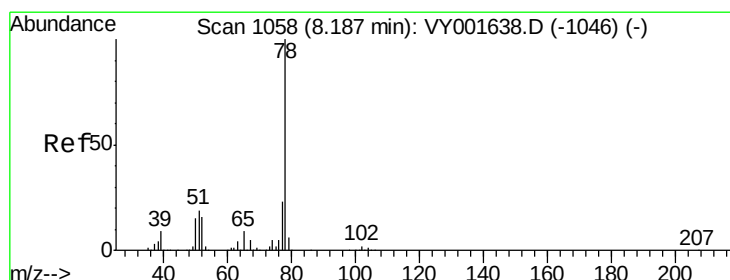
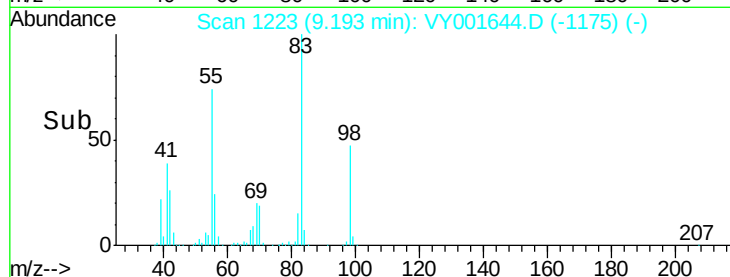
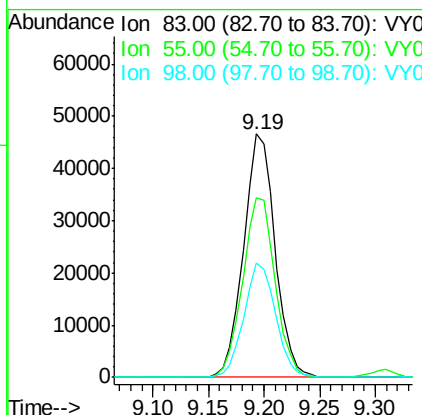
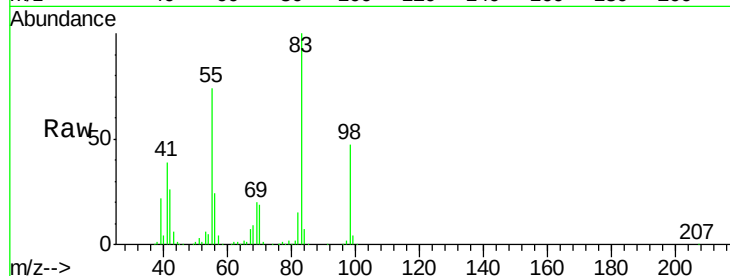
ClientSampleId :

VY0217SBS01

Tot Ion:	83	Resp:	91804
Ion	Ratio	Lower	Upper
83	100		
55	74.0	61.3	91.9
98	46.9	38.0	57.0

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#40

Benzene

Concen: 20.598 ug/l

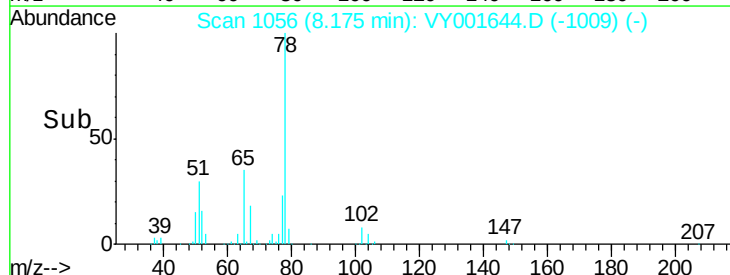
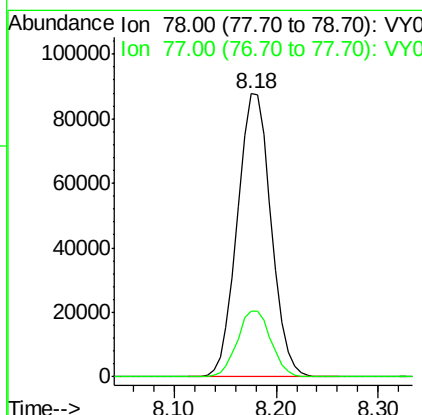
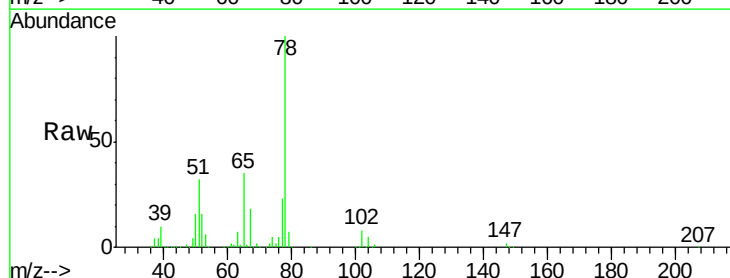
RT: 8.18 min Scan# 1056

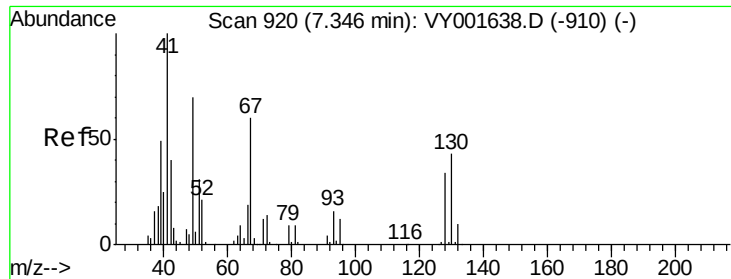
Delta R.T. -0.01 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Tgt Ion:	78	Resp:	201415
Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.2	27.4





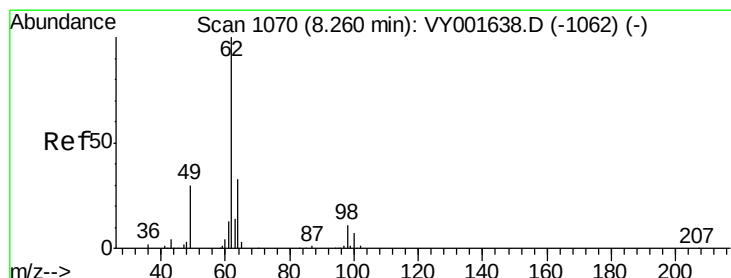
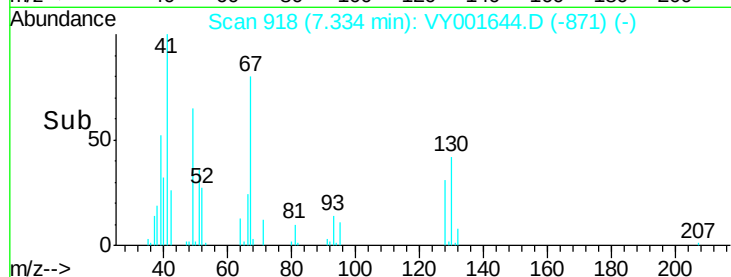
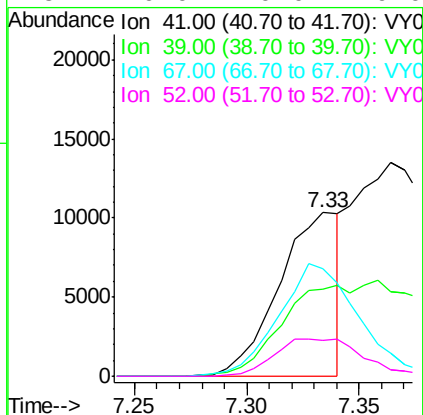
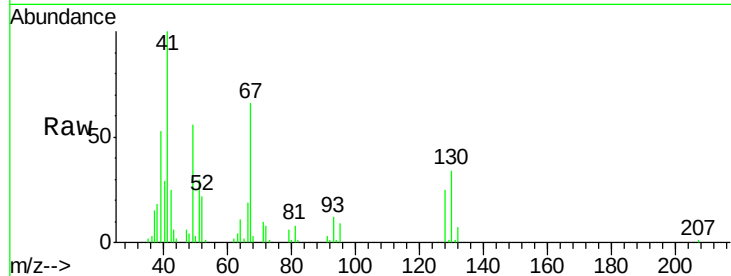
#41
Methacrylonitrile
Concen: 19.450 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. -0.01 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	41	Resp	19380
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

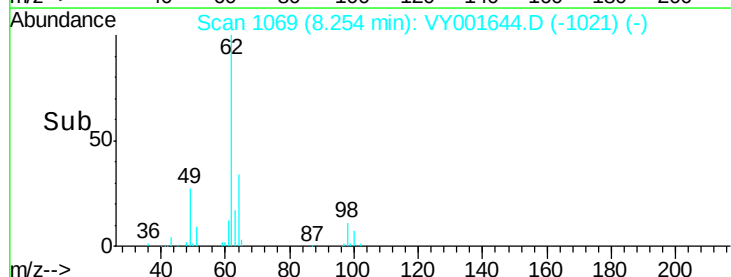
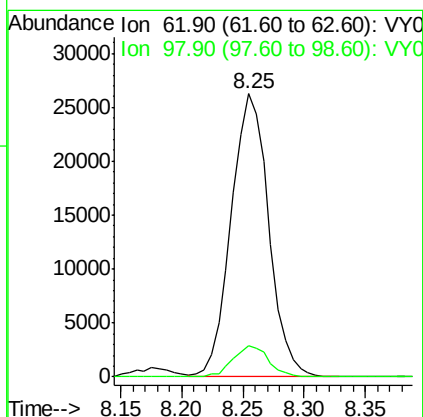
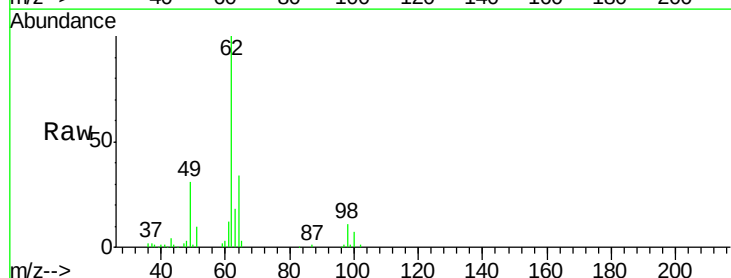
Manual Integrations
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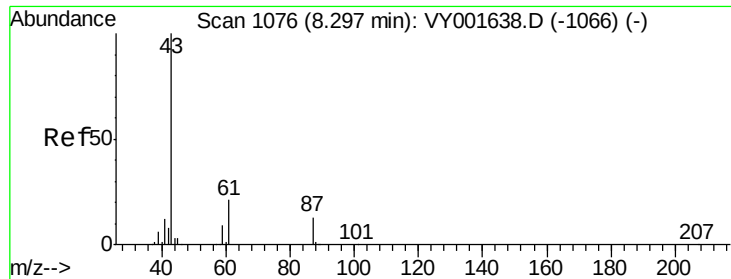
MMDadoda
2/19/2020 10:49:33 AM



#42
1,2-Dichloroethane
Concen: 20.992 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Tgt Ion	62	Resp	55922
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.8





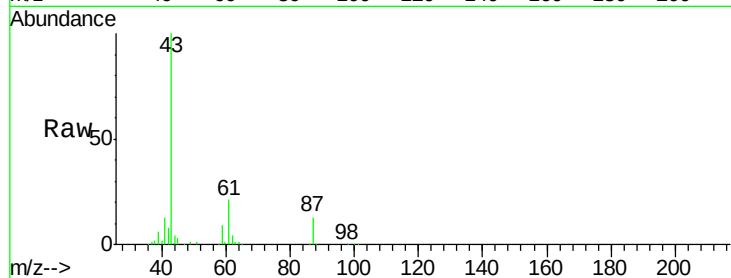
#43
Isopropyl Acetate
Concen: 21.050 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

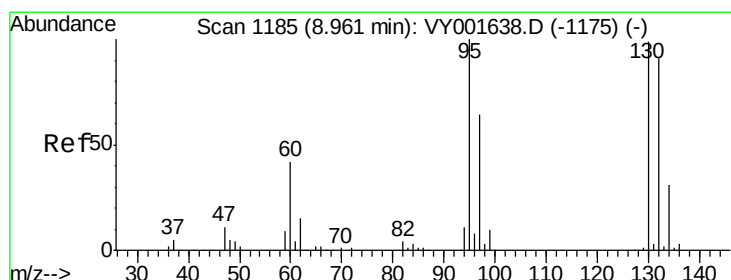
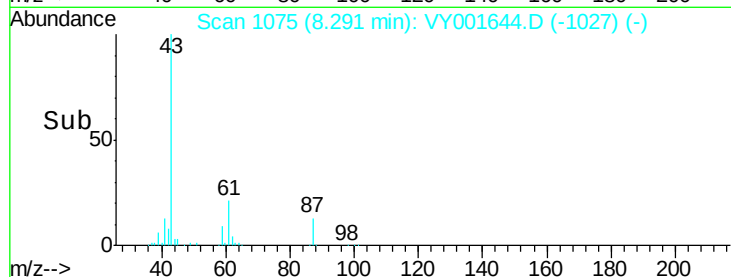
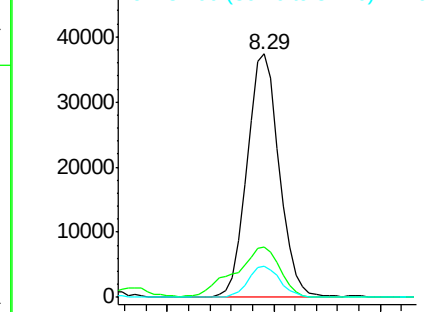
Tot Ion	Ratio	Lower	Upper
43	100		
61	29.1	23.0	34.4
87	12.8	10.7	16.1

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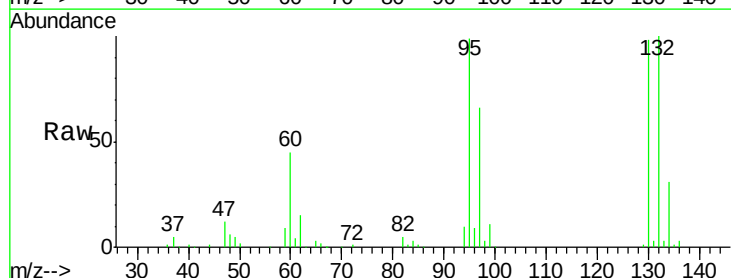


Abundance Ion 43.00 (42.70 to 43.70): VY001638.D (-1066) (-)
Ion 61.00 (60.70 to 61.70): VY001638.D (-1066) (-)
Ion 87.00 (86.70 to 87.70): VY001638.D (-1066) (-)

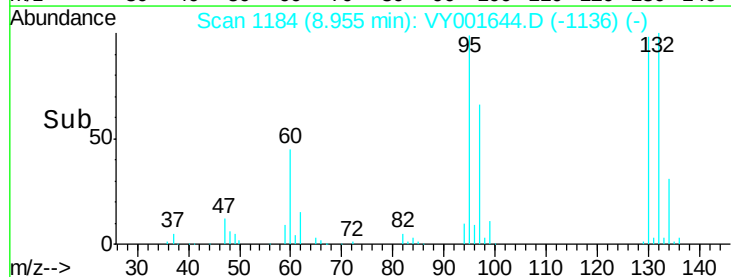
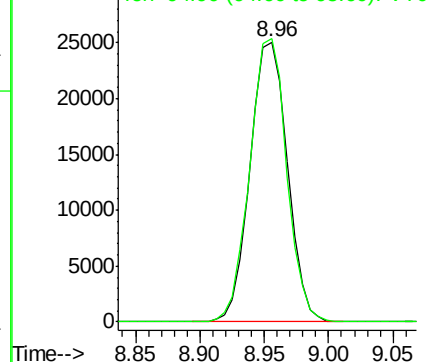


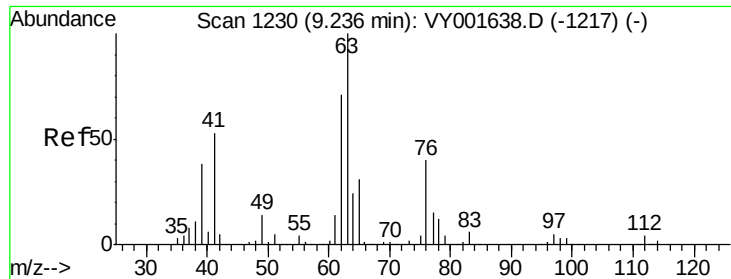
#44
Trichloroethene
Concen: 20.563 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	200.6



Abundance Ion 129.80 (129.50 to 130.50): VY001638.D (-1175) (-)
Ion 94.90 (94.60 to 95.60): VY001638.D (-1175) (-)





#45

1,2-Dichloropropane

Concen: 20.757 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion: 63 Resp: 50832

Ion Ratio Lower Upper

63 100

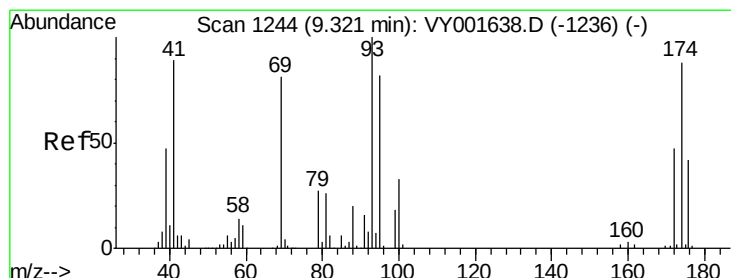
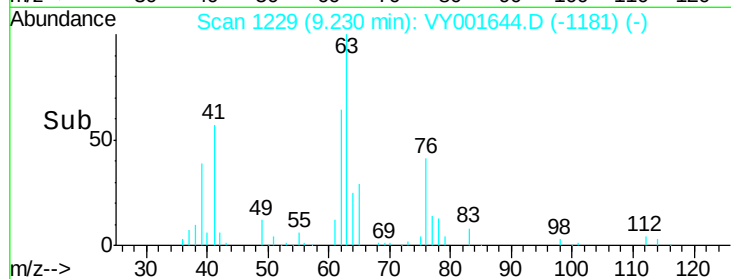
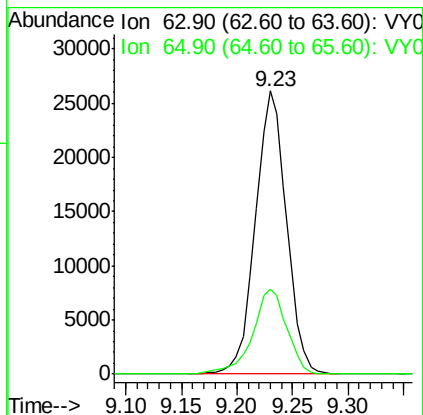
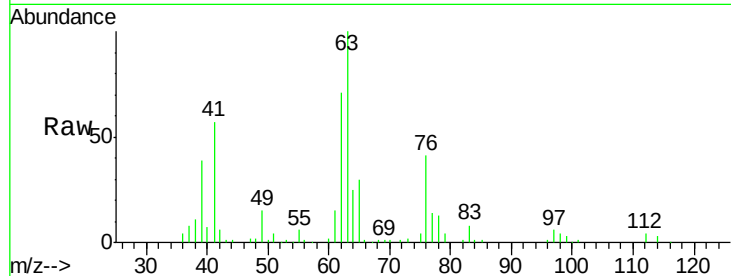
65 29.9 24.6 37.0

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#46

Dibromomethane

Concen: 20.969 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

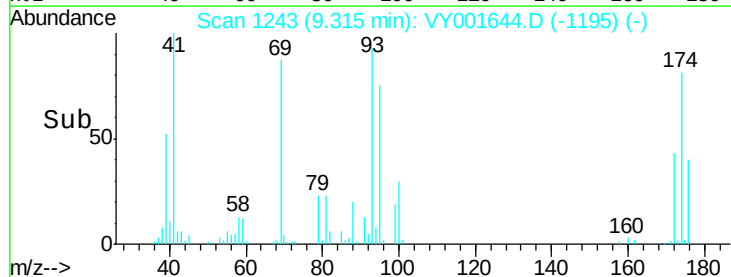
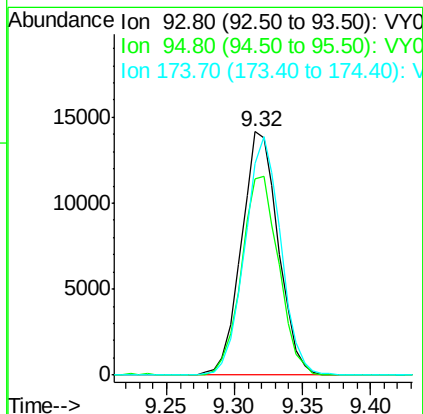
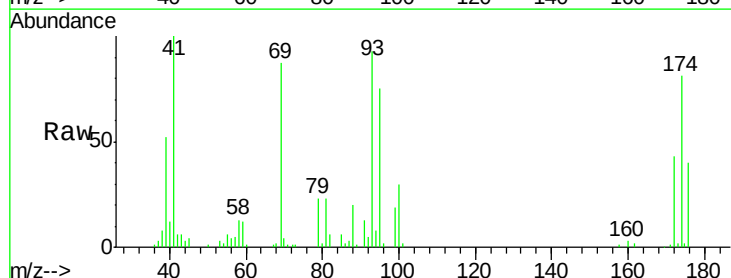
Tgt Ion: 93 Resp: 26858

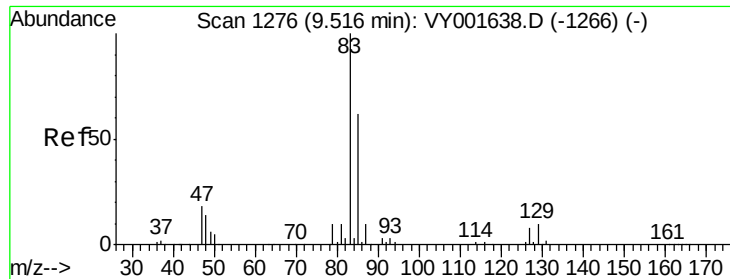
Ion Ratio Lower Upper

93 100

95 82.6 66.1 99.1

174 95.3 72.5 108.7





#47

Bromodichloromethane

Concen: 20.618 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_Y

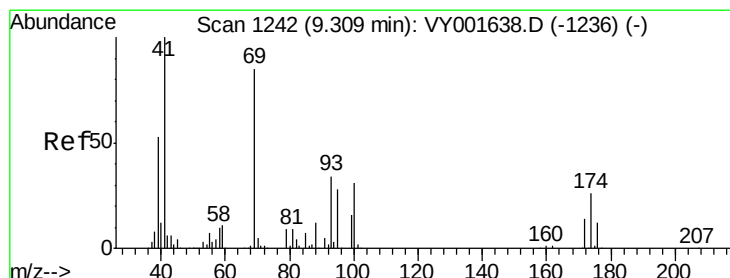
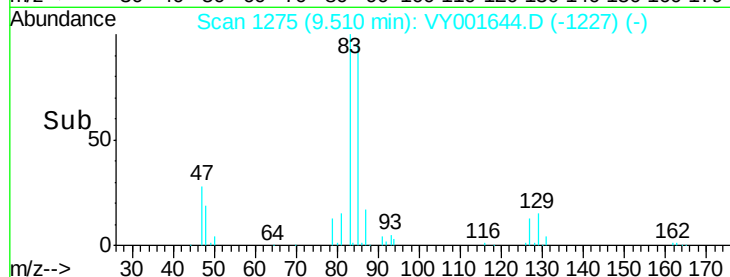
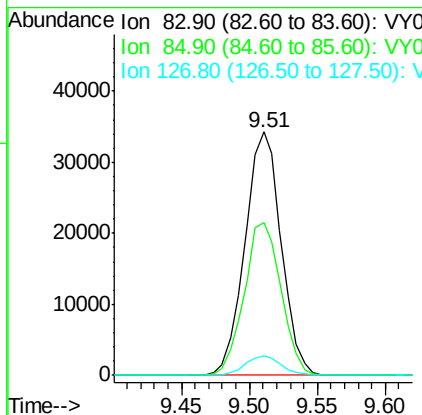
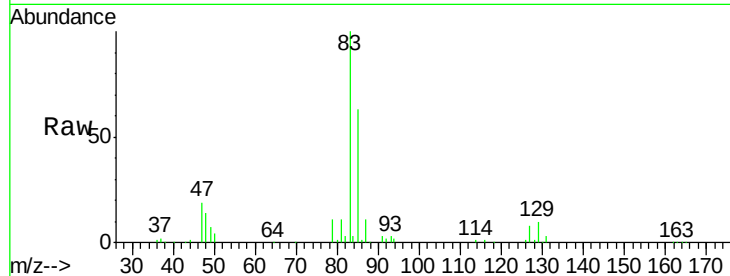
ClientSampleId :

VY0217SBS01

Tot Ion:	83	Resp:	63737
Ion Ratio	Lower	Upper	
83	100		
85	62.6	51.4	77.0
127	8.3	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.702 ug/l

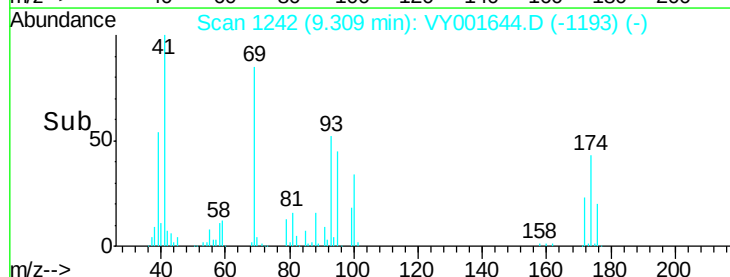
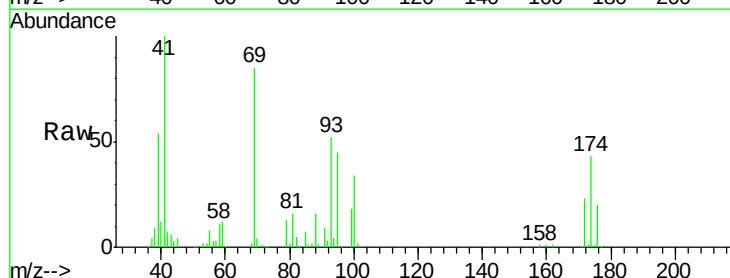
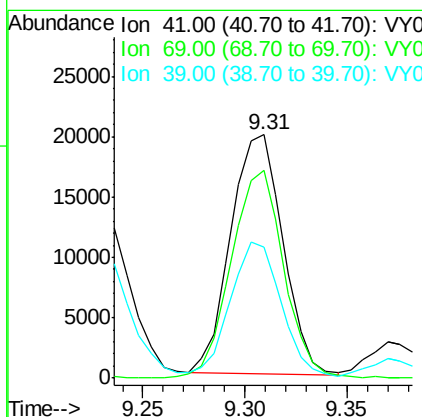
RT: 9.31 min Scan# 1242

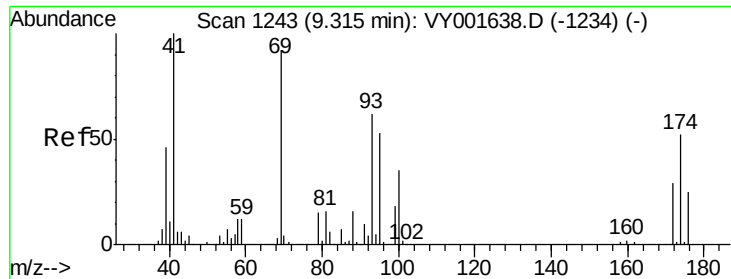
Delta R.T. 0.00 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Tgt Ion:	41	Resp:	35251
Ion Ratio	Lower	Upper	
41	100		
69	87.6	70.7	106.1
39	56.3	42.2	63.2





#49

1,4-Dioxane

Concen: 423.310 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_Y

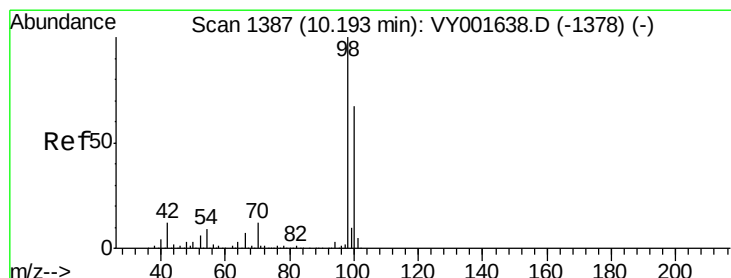
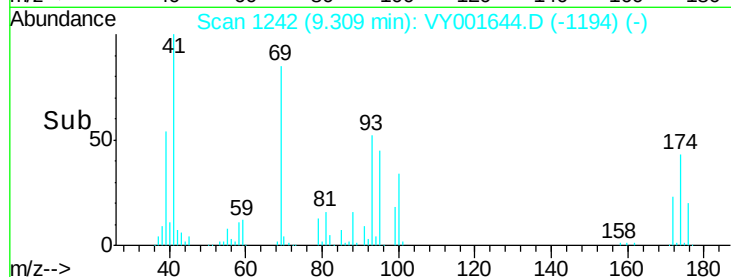
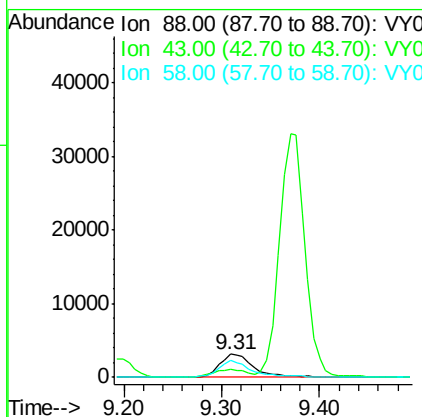
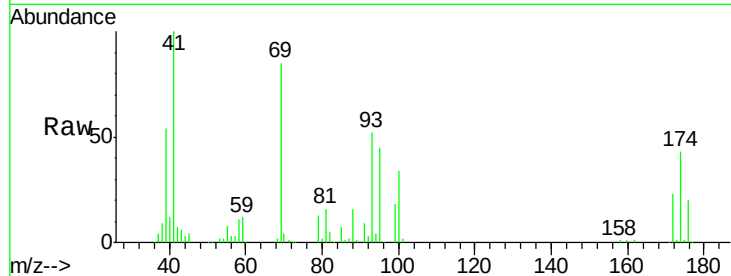
ClientSampleId :

VY0217SBS01

Tot Ion:	88	Resp:	7658
Ion	Ratio	Lower	Upper
88	100		
43	34.3	23.1	34.7
58	71.8	58.1	87.1

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#50

Toluene-d8

Concen: 54.373 ug/l

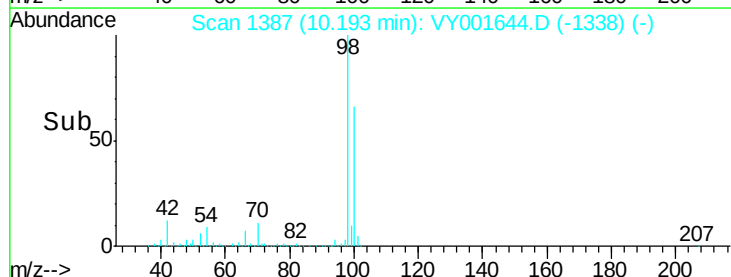
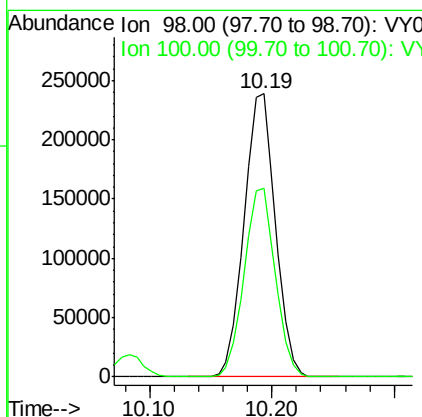
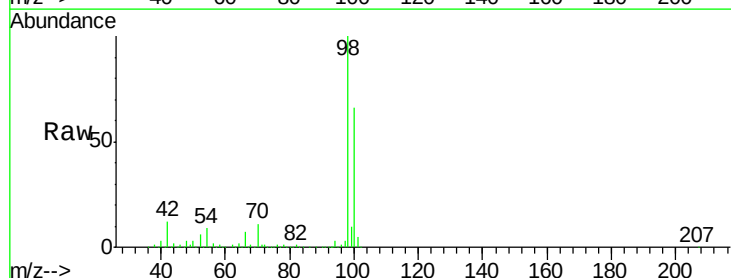
RT: 10.19 min Scan# 1387

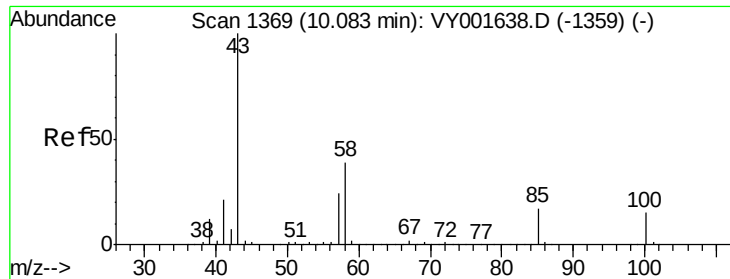
Delta R.T. 0.00 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Tgt Ion:	98	Resp:	424669
Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4





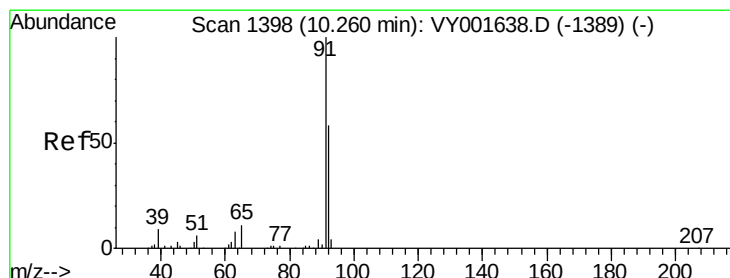
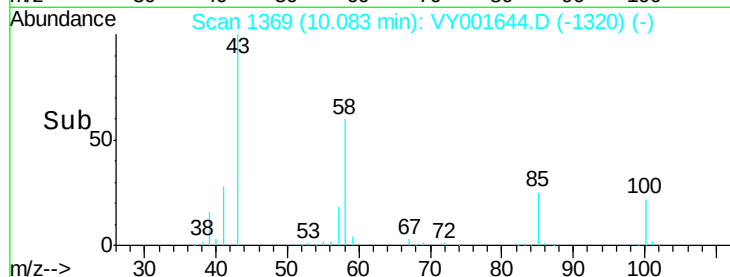
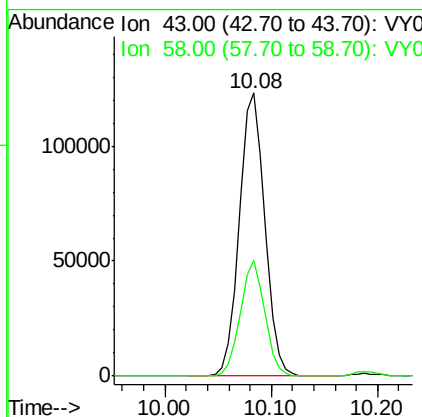
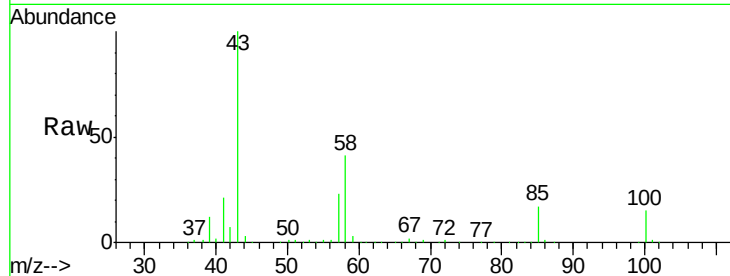
#51
4-Methyl-2-Pentanone
Concen: 107.125 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.3	32.2	48.4

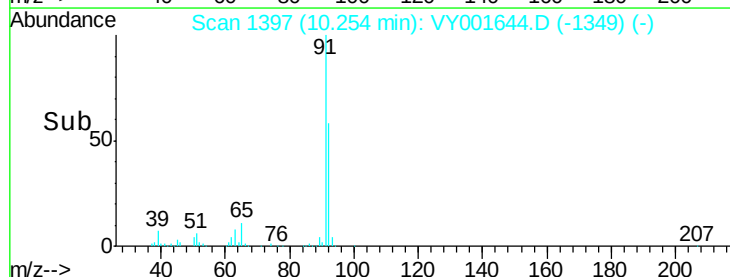
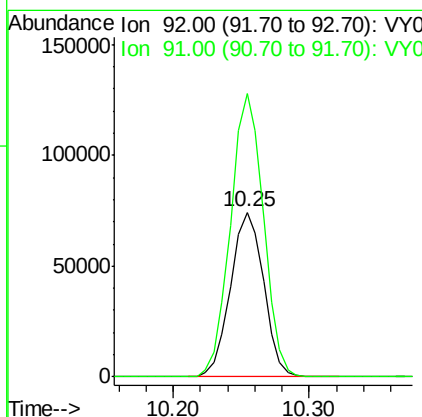
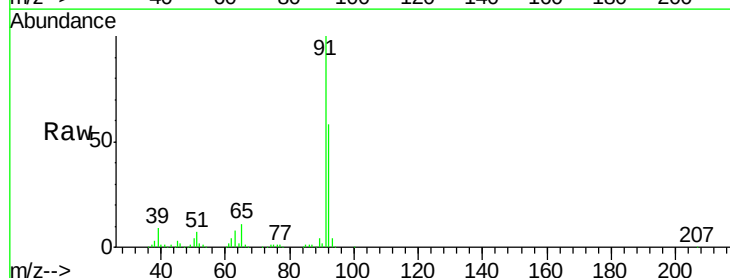
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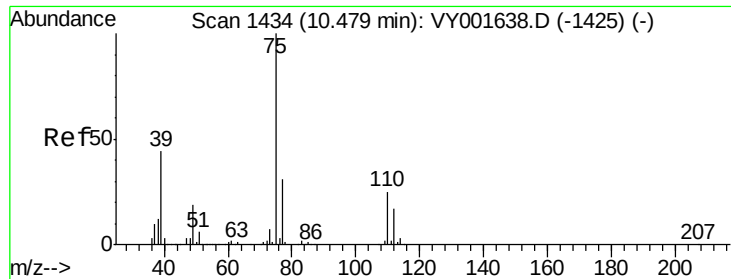
MMDadoda
2/19/2020 10:49:33 AM



#52
Toluene
Concen: 20.668 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. -0.01 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.1	137.0	205.6





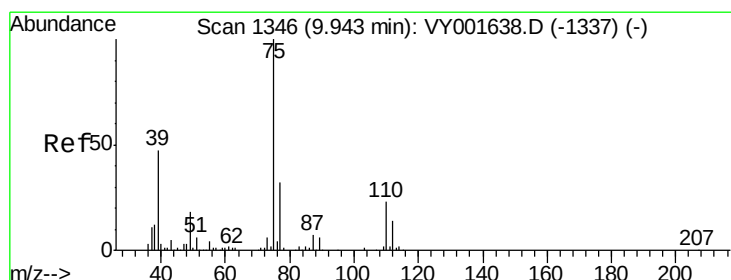
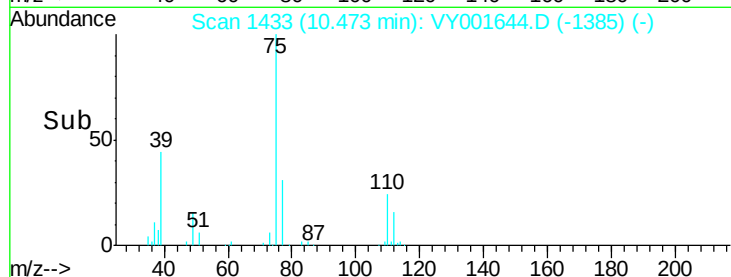
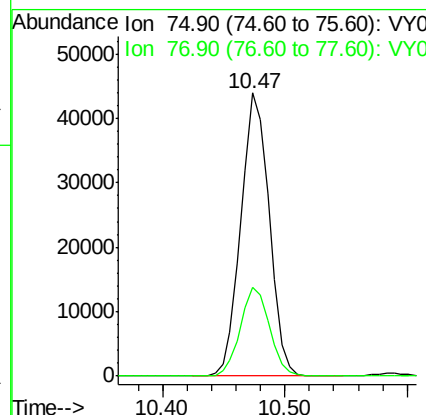
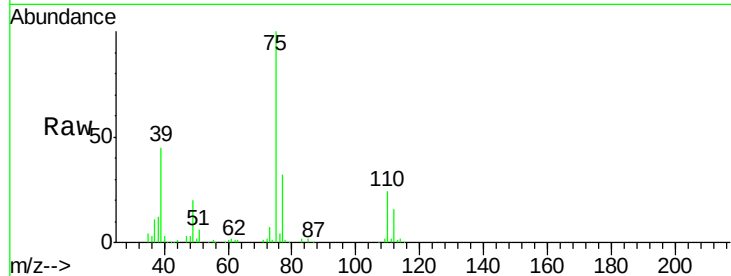
#53
t-1,3-Dichloropropene
Concen: 20.631 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. -0.01 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion: 75 Resp: 70506
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8

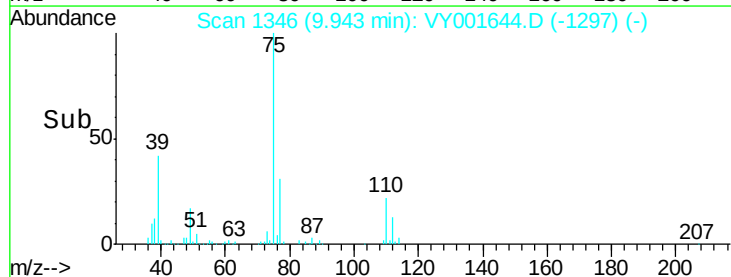
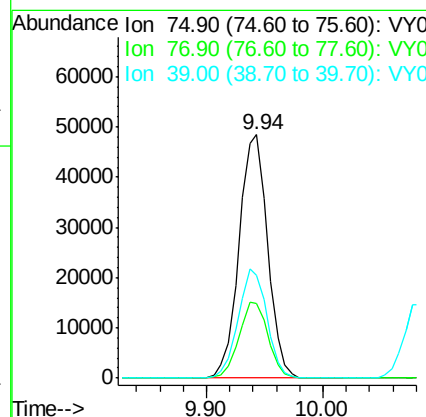
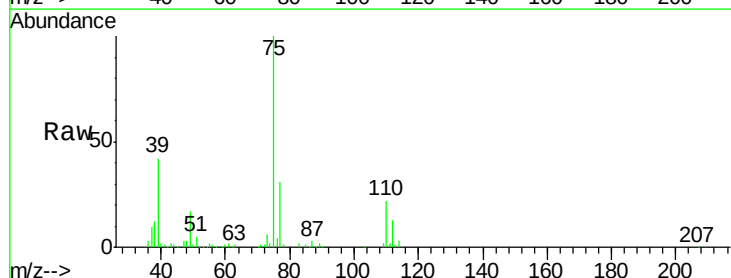
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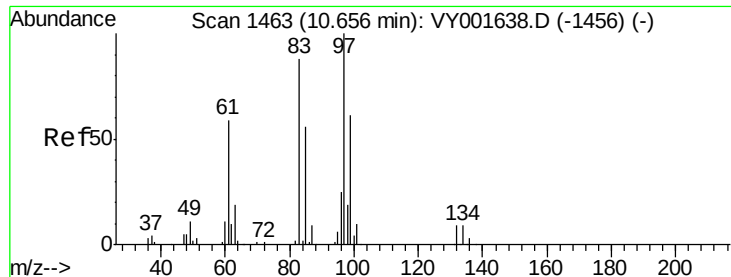
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 21.147 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Tgt Ion: 75 Resp: 83179
Ion Ratio Lower Upper
75 100
77 30.9 25.7 38.5
39 42.1 35.7 53.5





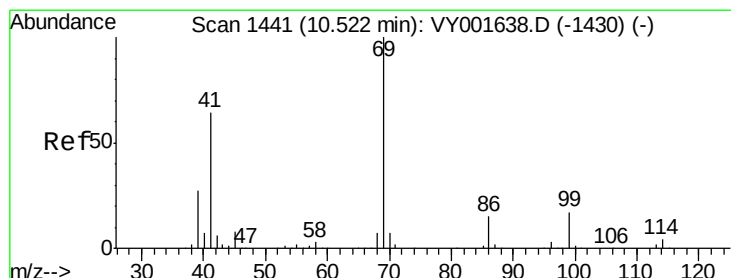
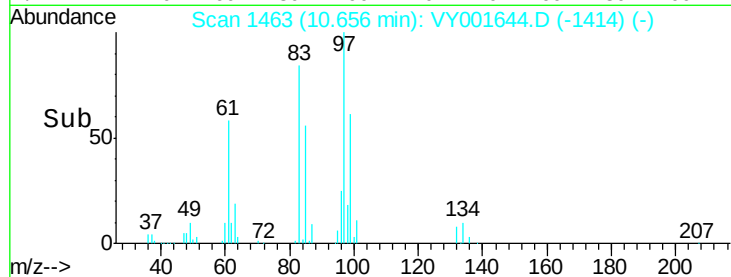
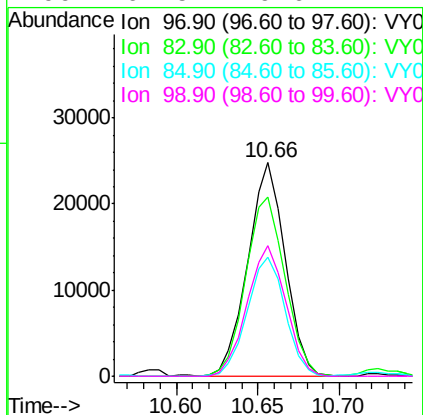
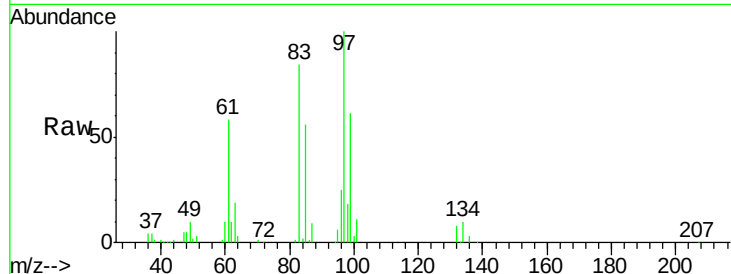
#55
 1,1,2-Trichloroethane
 Concen: 20.926 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001644.D
 Acq: 17 Feb 2020 14:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Tot Ion:	97	Resp:	39523
Ion	Ratio	Lower	Upper
97	100		
83	84.4	69.7	104.5
85	55.8	44.5	66.7
99	61.5	49.6	74.4

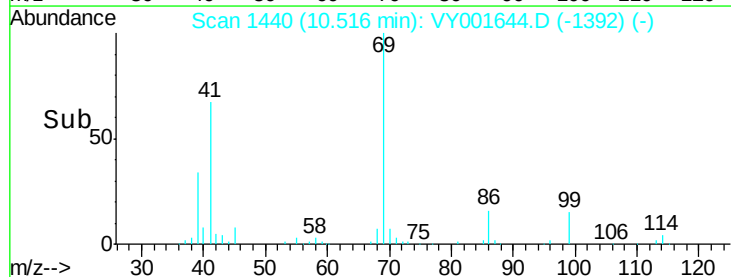
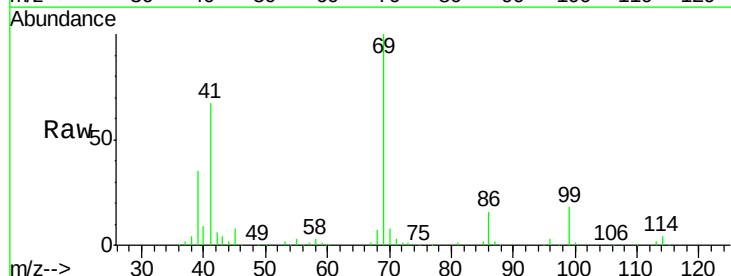
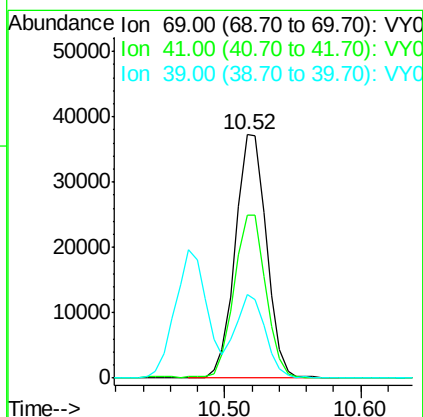
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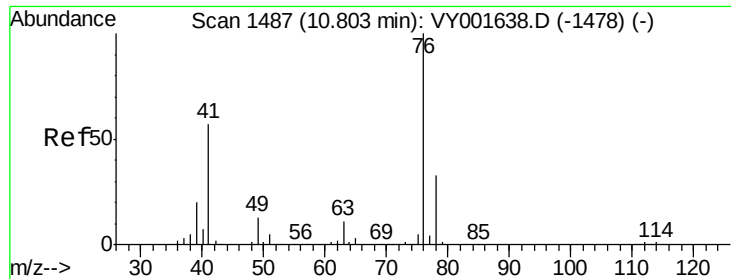
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 2/19/2020 10:49:33 AM



#56
 Ethyl methacrylate
 Concen: 21.033 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VY001644.D
 Acq: 17 Feb 2020 14:33

Tgt Ion:	69	Resp:	59595
Ion	Ratio	Lower	Upper
69	100		
41	68.7	51.0	76.4
39	33.1	24.7	37.1





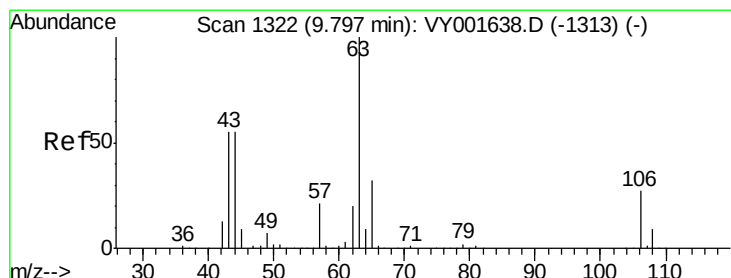
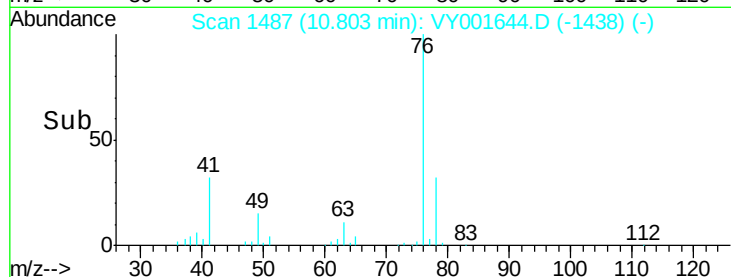
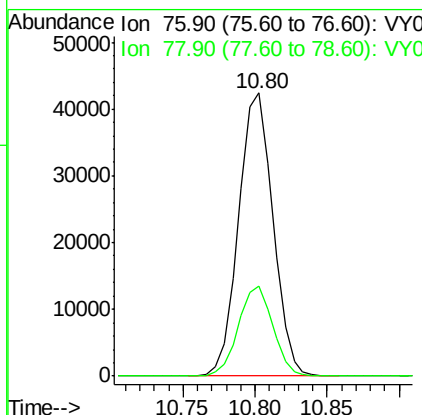
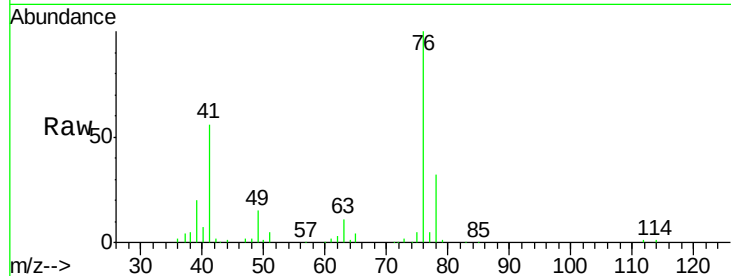
#57
 1,3-Dichloropropane
 Concen: 20.948 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY001644.D
 Acq: 17 Feb 2020 14:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Tot Ion: 76 Resp: 70297
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.7 38.5

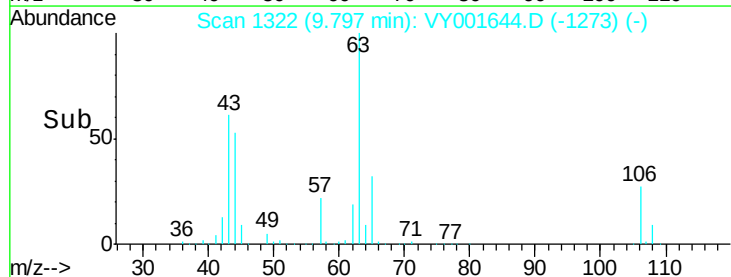
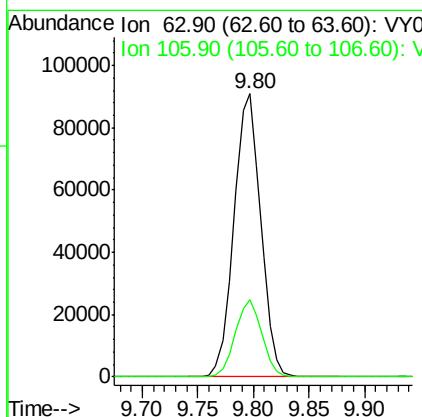
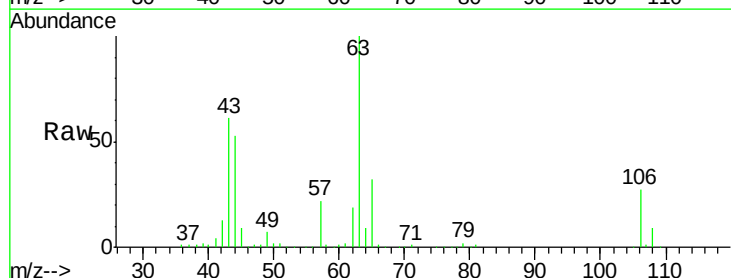
Manual Integrations
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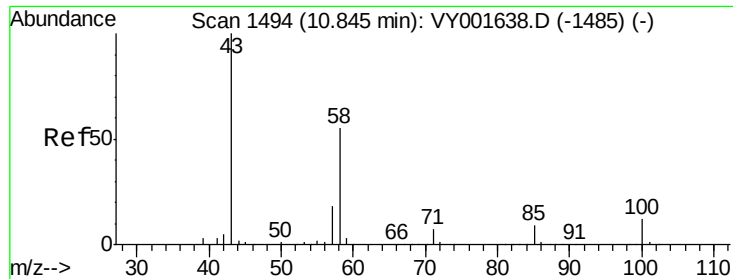
MMDadoda
 2/19/2020 10:49:33 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 132.719 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001644.D
 Acq: 17 Feb 2020 14:33

Tgt Ion: 63 Resp: 150977
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.6 32.4





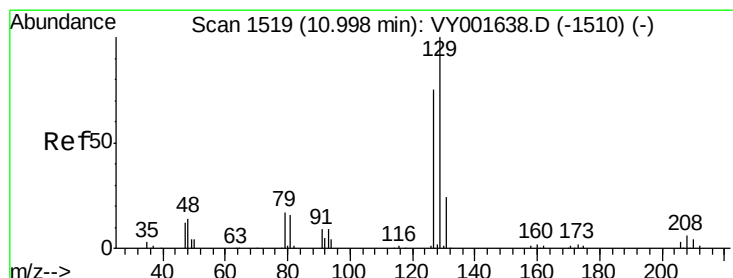
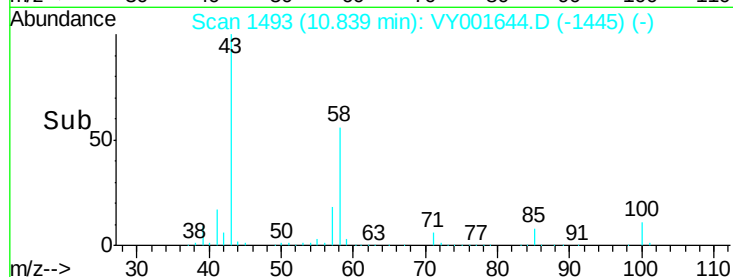
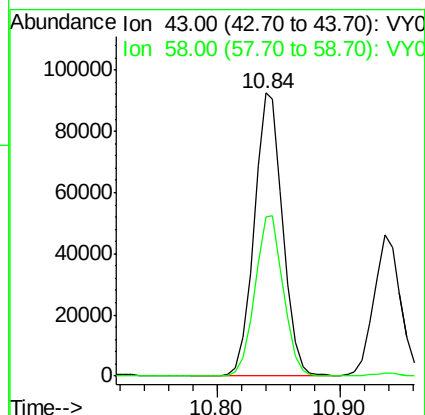
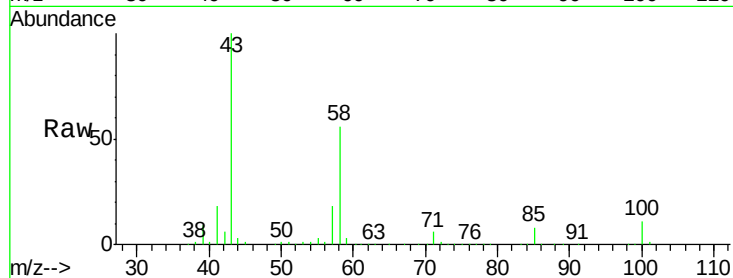
#59
2-Hexanone
Concen: 103.023 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion: 43 Resp: 149534
Ion Ratio Lower Upper
43 100
58 56.5 28.4 85.2

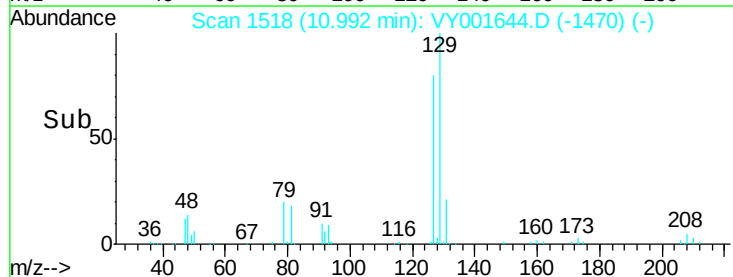
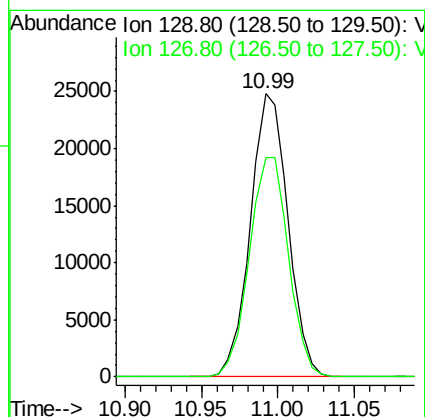
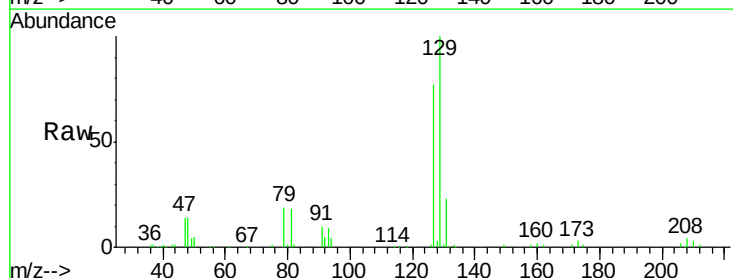
Manual Integrations
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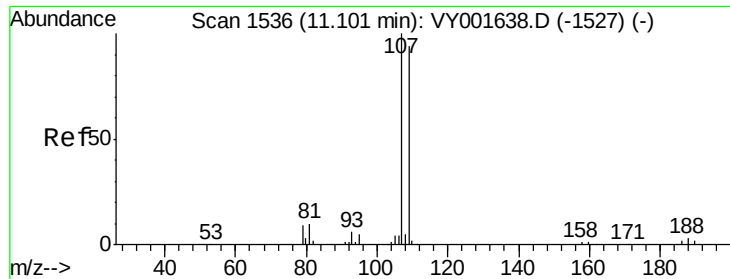
MMDadoda
2/19/2020 10:49:33 AM



#60
Dibromochloromethane
Concen: 20.384 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Tgt Ion: 129 Resp: 42446
Ion Ratio Lower Upper
129 100
127 80.8 38.9 116.6





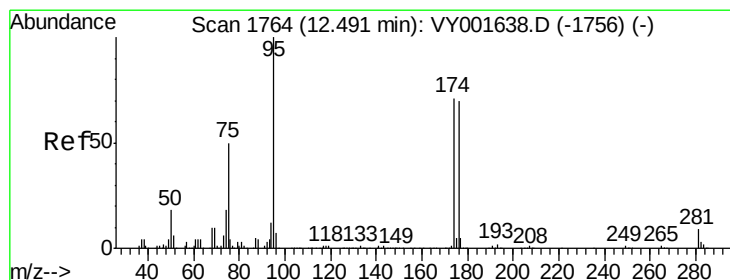
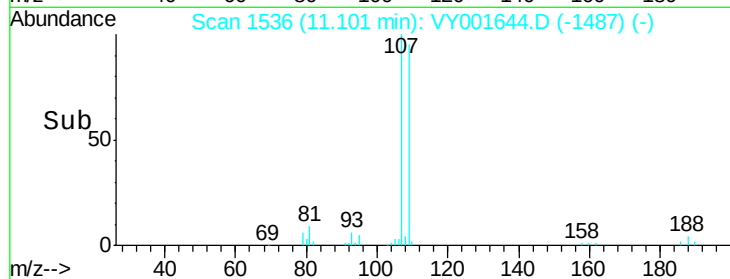
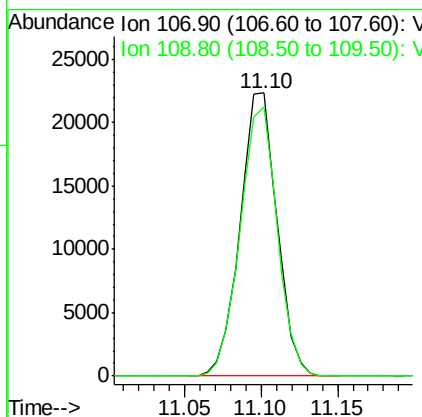
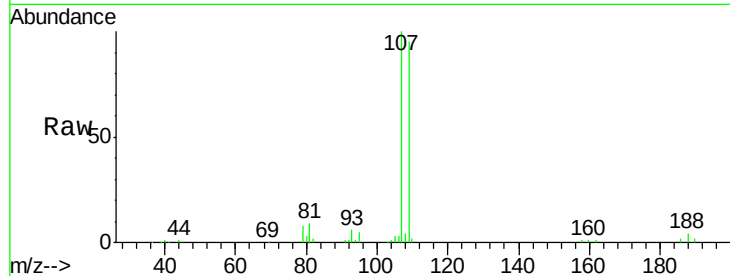
#61
 1,2-Dibromoethane
 Concen: 21.031 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY001644.D
 Acq: 17 Feb 2020 14:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	74.2	111.4

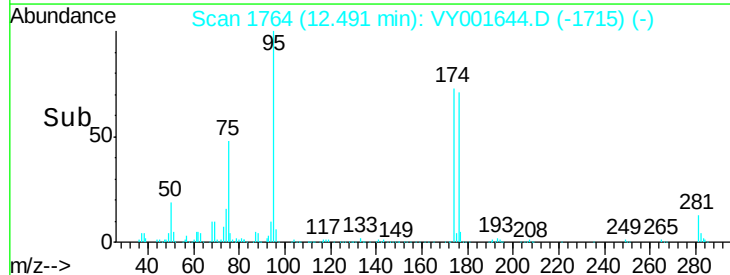
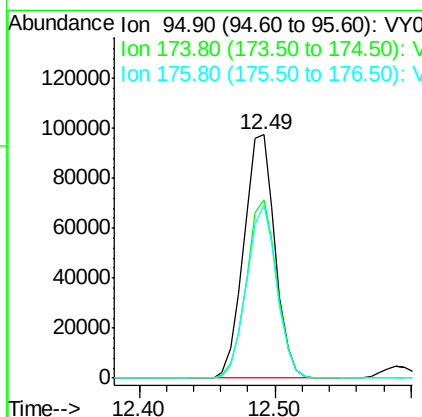
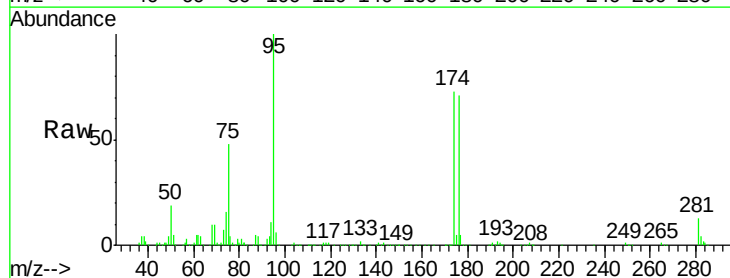
Manual Integrations
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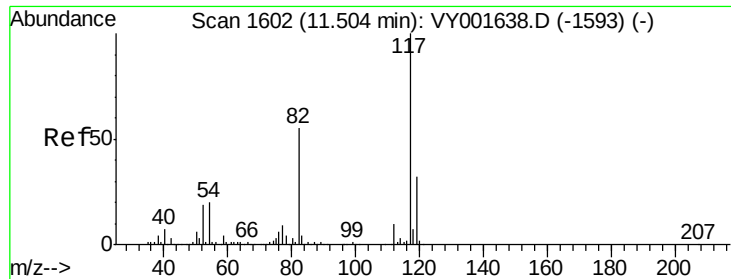
MMDadoda
 2/19/2020 10:49:33 AM



#62
 4-Bromofluorobenzene
 Concen: 51.274 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY001644.D
 Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	138.4
176	68.9	0.0	131.8





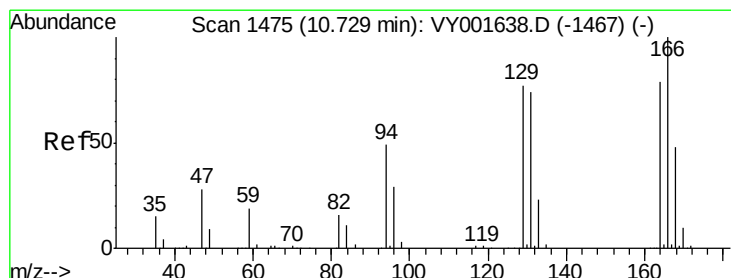
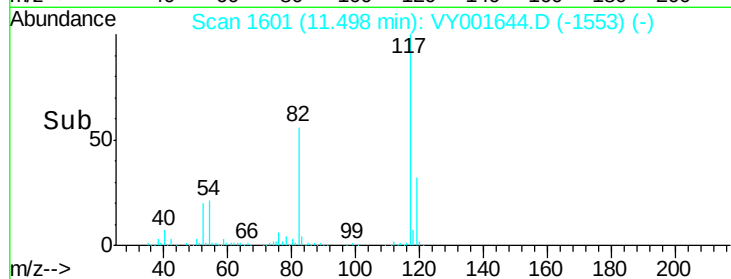
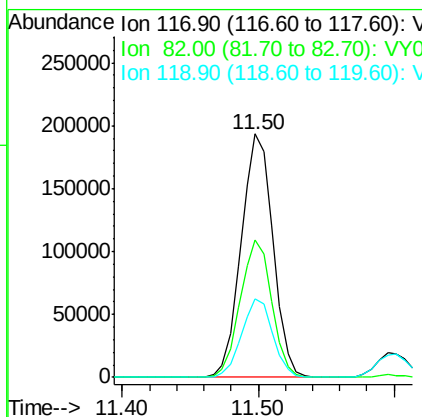
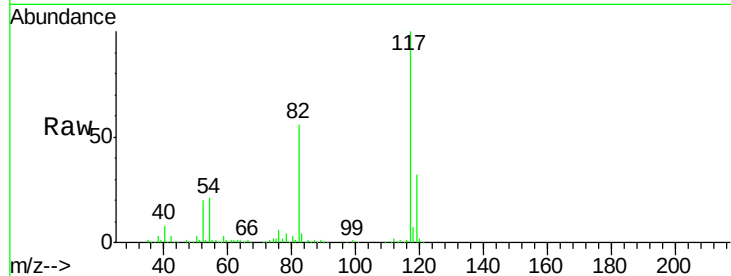
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.5	68.3
119	32.0	25.8	38.6

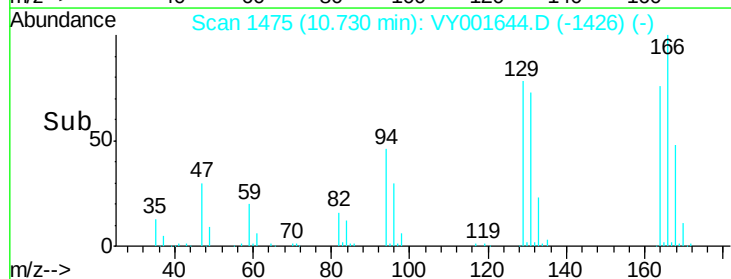
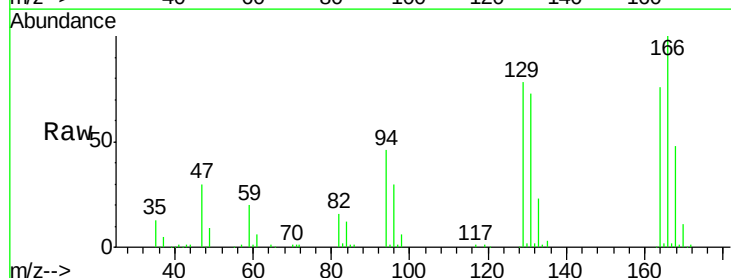
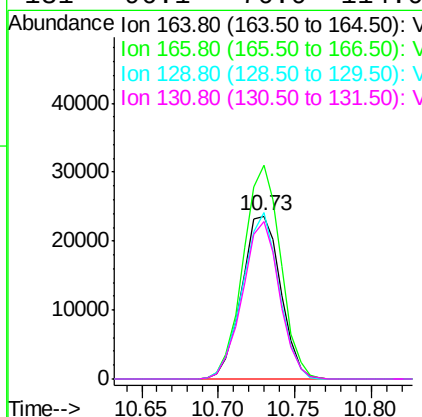
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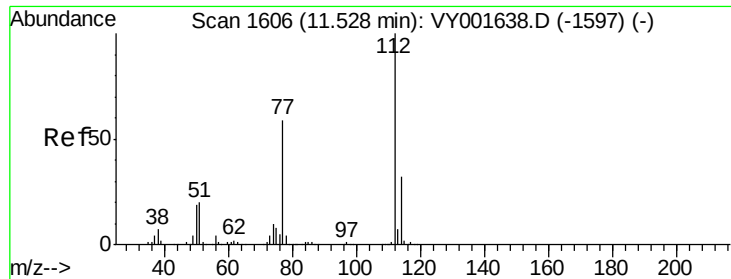
MMDadoda
2/19/2020 10:49:33 AM



#64
Tetrachloroethene
Concen: 21.192 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	101.4	152.0
129	101.8	78.7	118.1
131	96.1	76.0	114.0





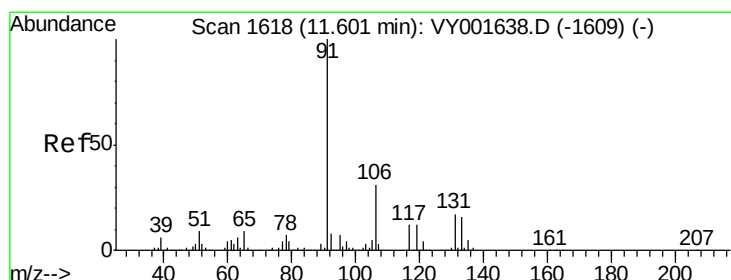
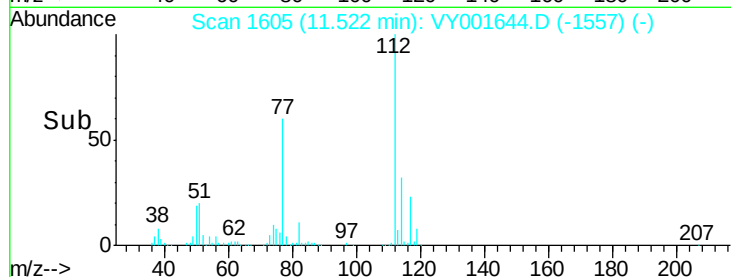
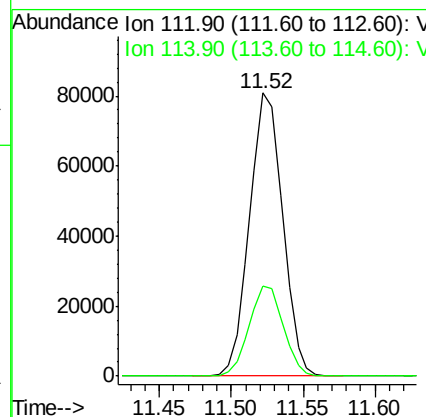
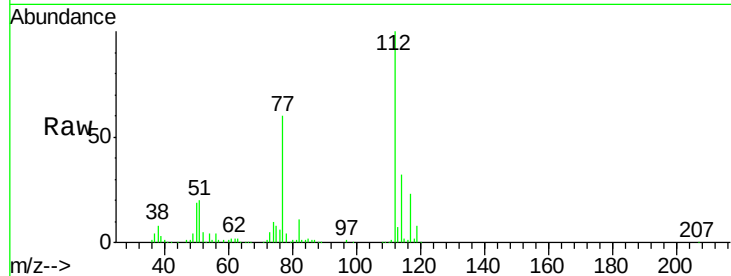
#65
Chlorobenzene
Concen: 20.482 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.4	38.2

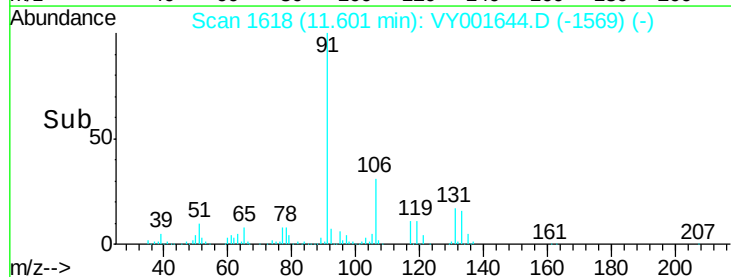
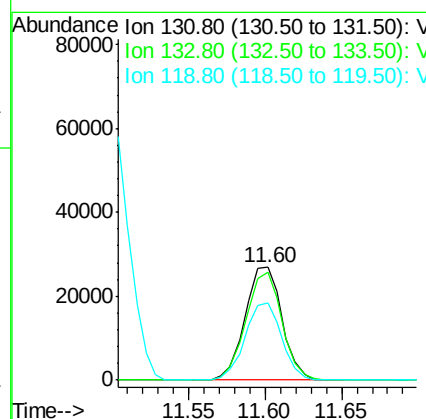
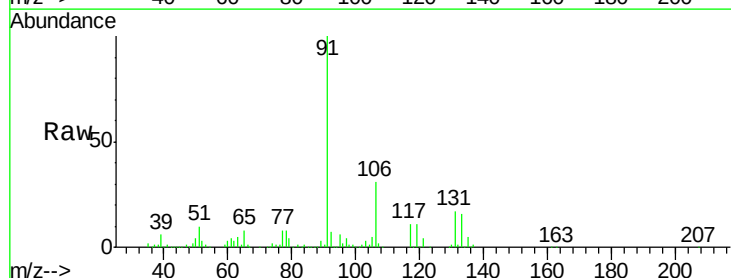
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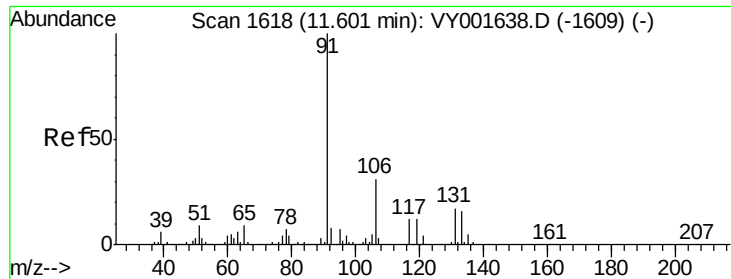
MMDadoda
2/19/2020 10:49:33 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.294 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.2	47.4	142.2
119	67.6	34.4	103.1





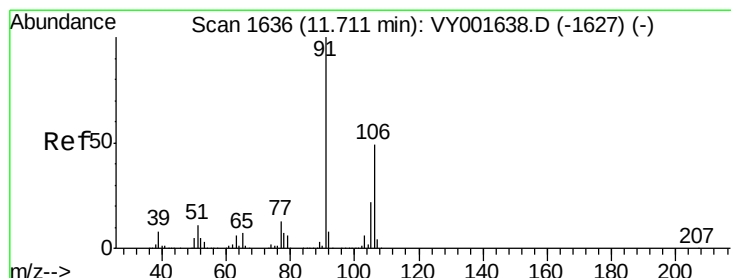
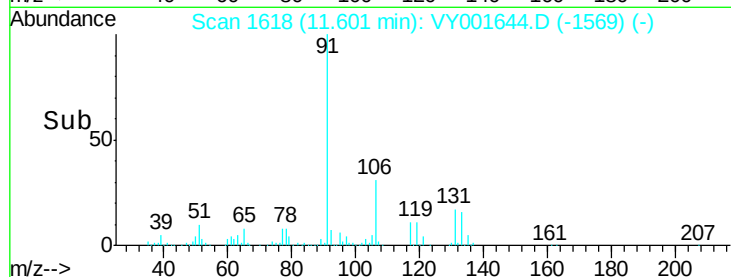
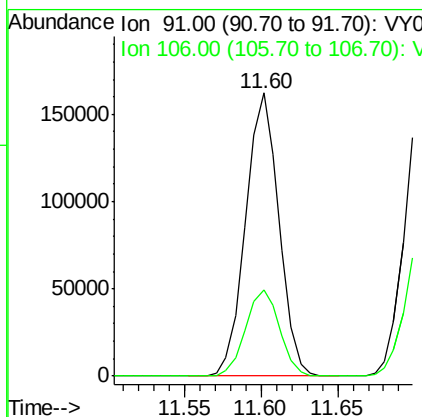
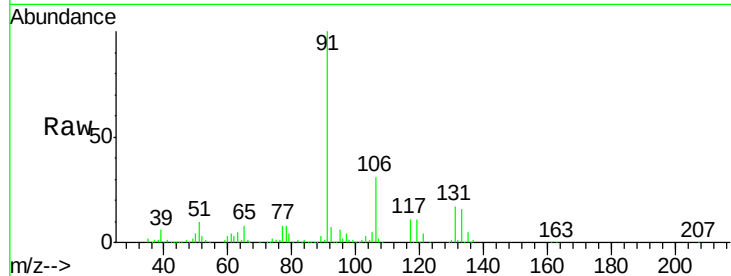
#67
Ethyl Benzene
Concen: 21.016 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion: 91 Resp: 245295
Ion Ratio Lower Upper
91 100
106 30.7 24.5 36.7

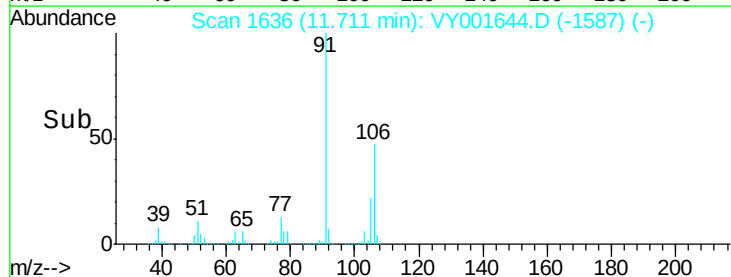
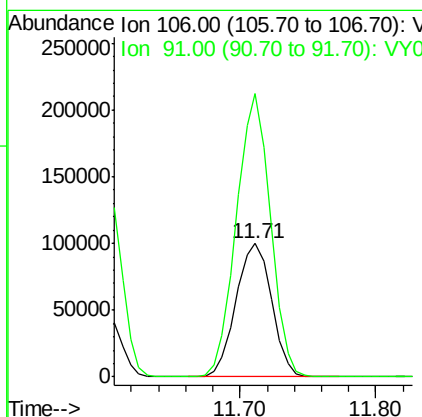
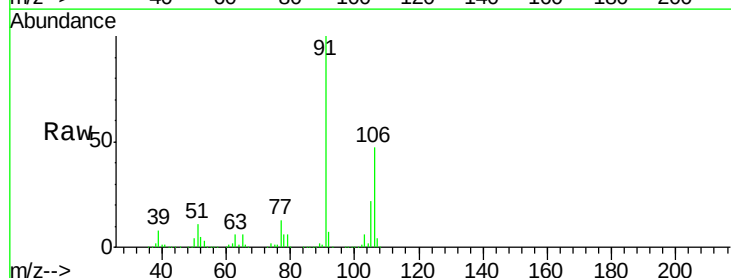
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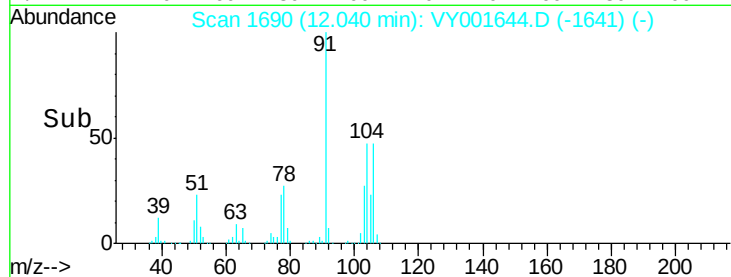
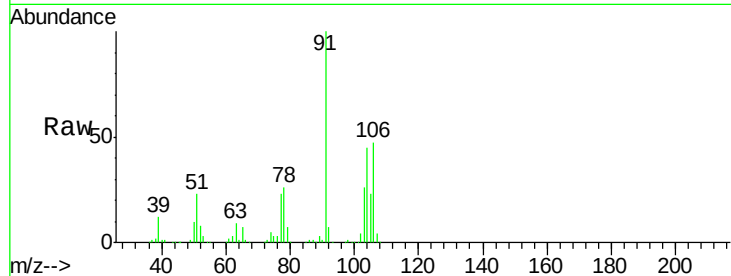
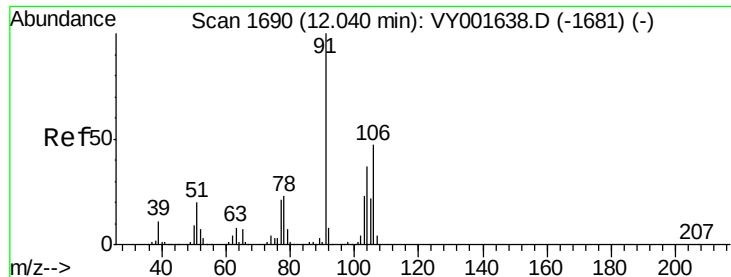
MMDadoda
2/19/2020 10:49:33 AM



#68
m/p-Xylenes
Concen: 42.082 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Tgt Ion: 106 Resp: 183477
Ion Ratio Lower Upper
106 100
91 202.2 163.3 244.9





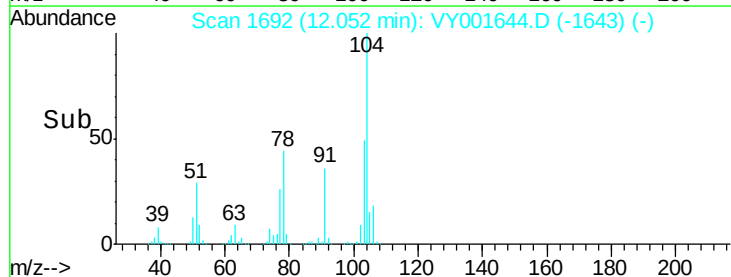
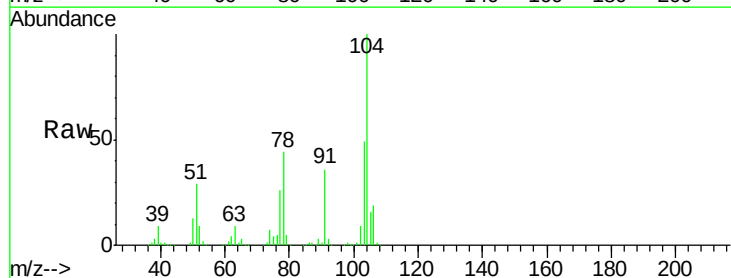
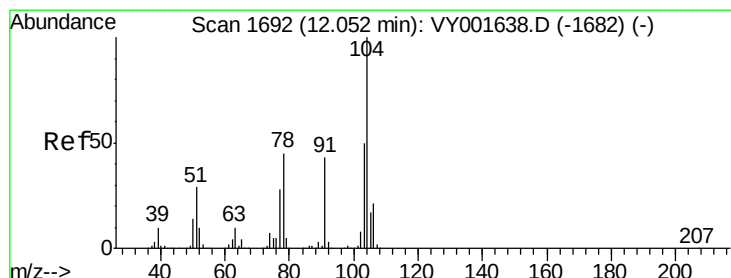
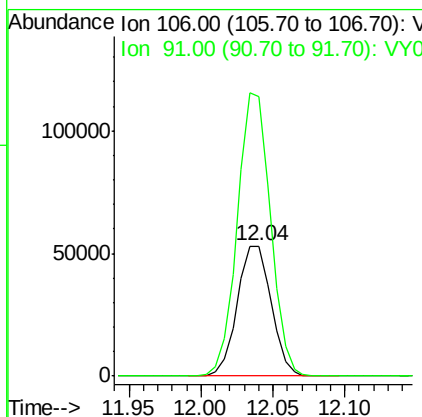
#69
o-Xylene
Concen: 20.993 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Tot Ion:106 Resp: 87016
Ion Ratio Lower Upper
106 100
91 211.5 108.3 324.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

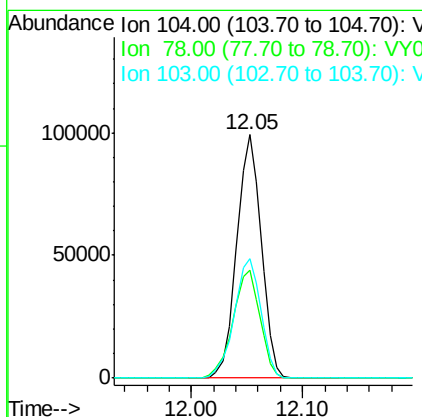
Manual Integrations
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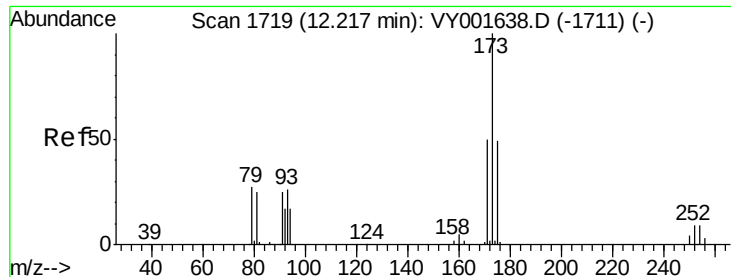
MMDadoda
2/19/2020 10:49:33 AM



#70
Styrene
Concen: 20.959 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Tgt Ion:104 Resp: 150981
Ion Ratio Lower Upper
104 100
78 49.2 39.2 58.8
103 53.5 43.0 64.6





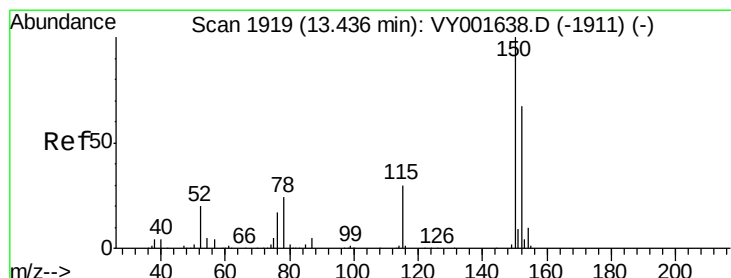
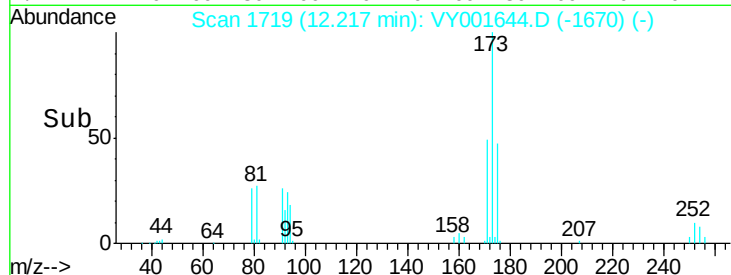
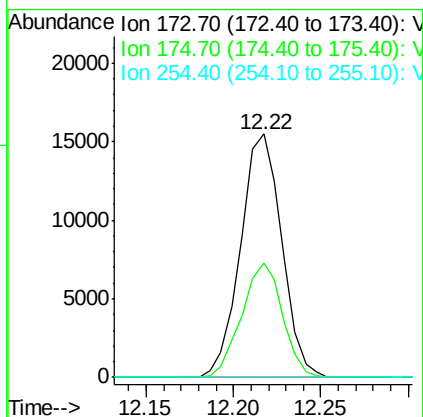
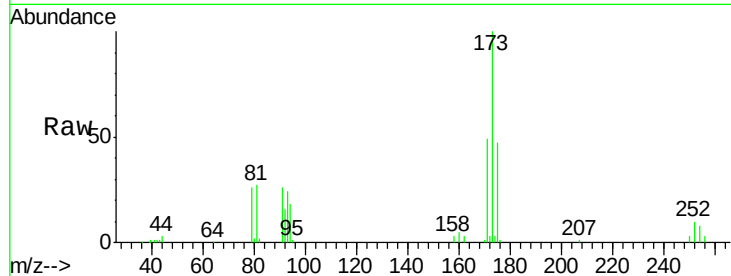
#71
Bromoform
Concen: 21.015 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. 0.00 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.3	24.3	73.0
254	0.0	0.1	0.1#

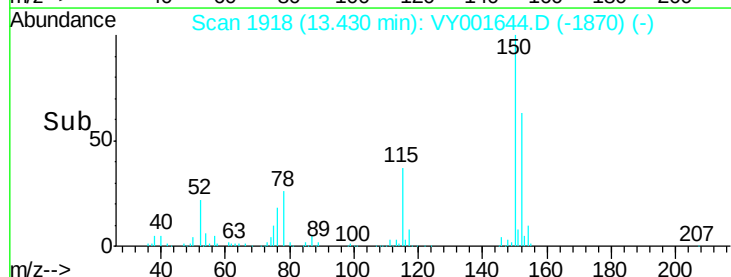
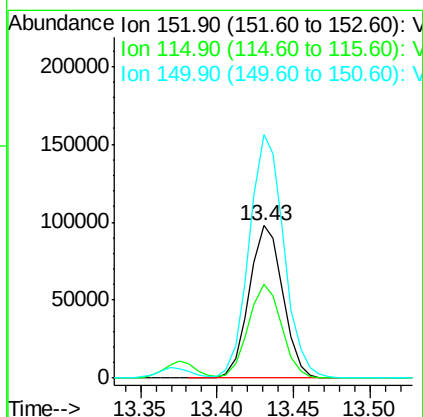
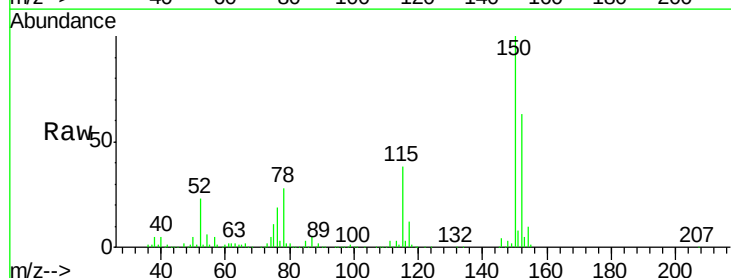
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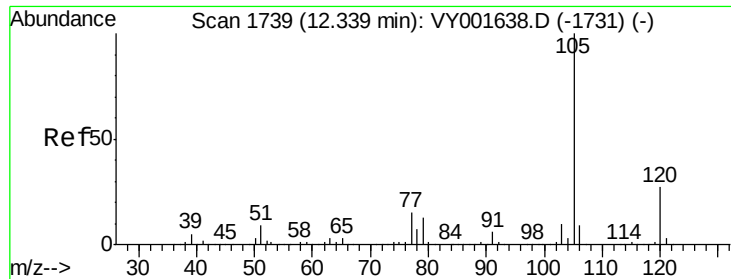
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	31.4	94.2
150	165.0	0.0	407.2





#73

Isopropylbenzene

Concen: 20.328 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion:105 Resp: 232437

Ion Ratio Lower Upper

105 100

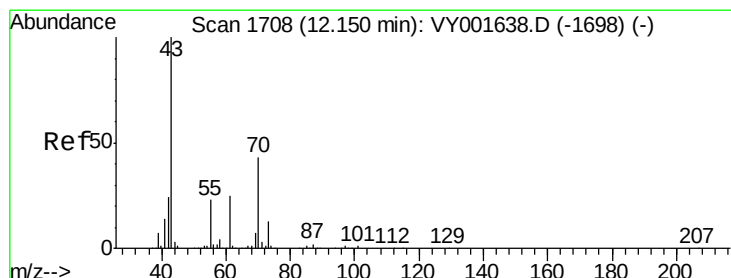
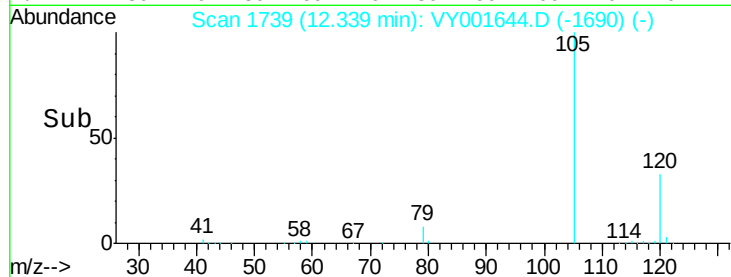
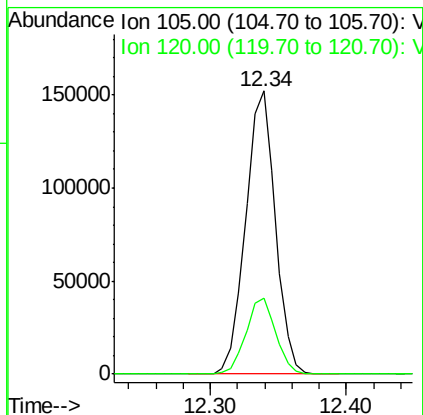
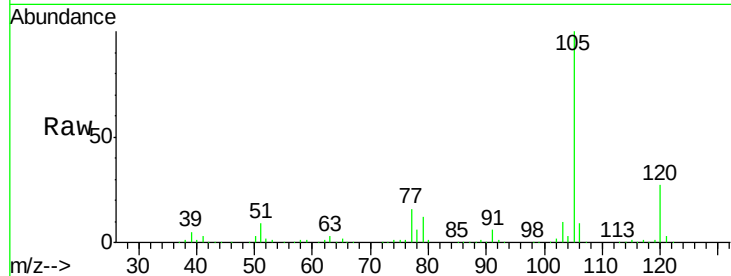
120 27.0 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.986 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Tgt Ion: 43 Resp: 76584

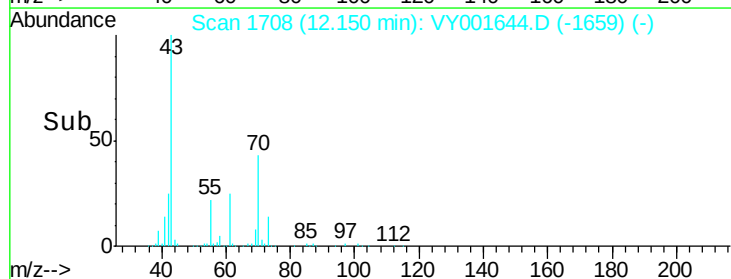
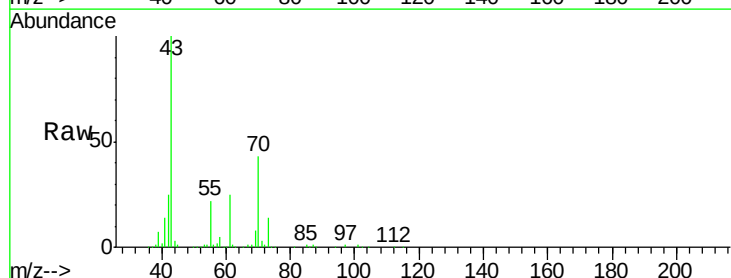
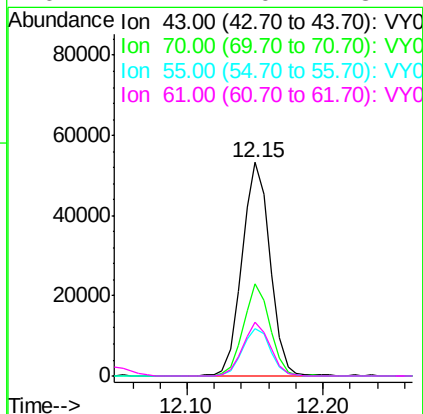
Ion Ratio Lower Upper

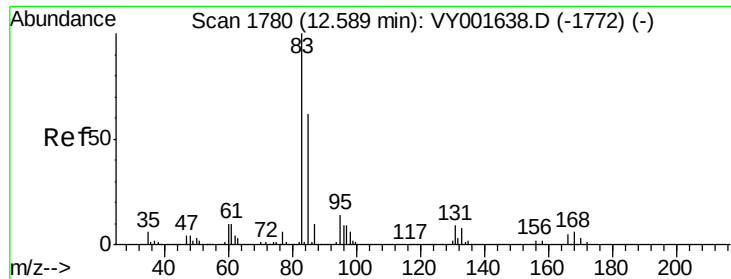
43 100

70 41.0 35.9 53.9

55 22.5 18.3 27.5

61 24.4 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.509 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_Y

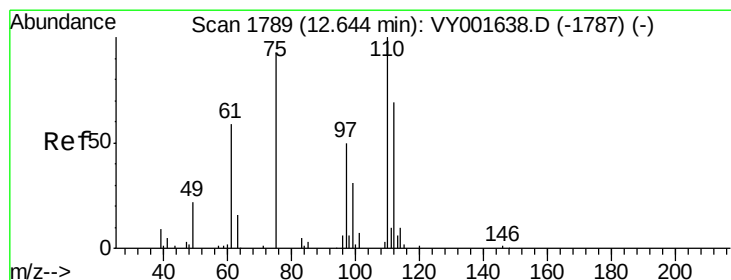
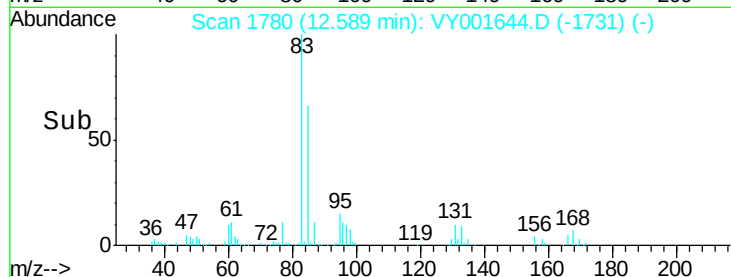
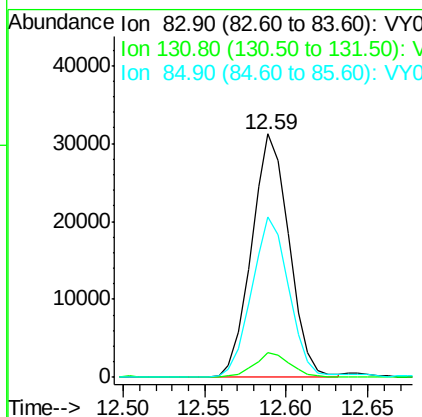
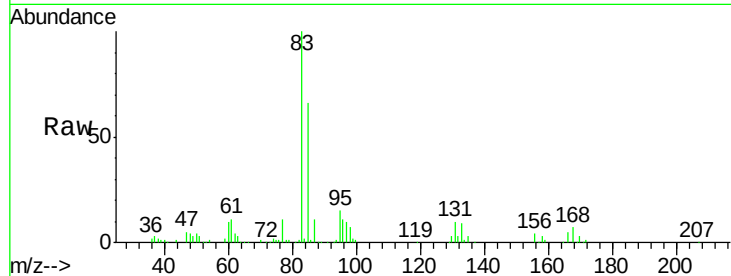
ClientSampleId :

VY0217SBS01

Tot Ion:	83	Resp:	50074
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.7	14.1
85	65.5	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 22.655 ug/l m

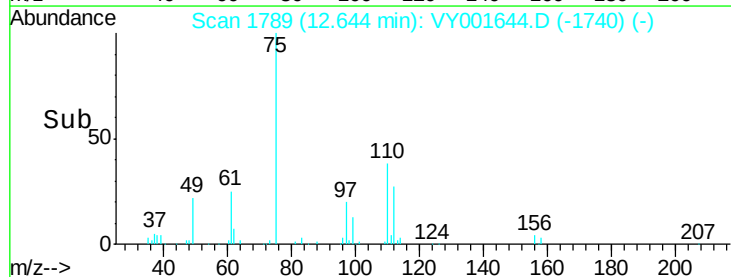
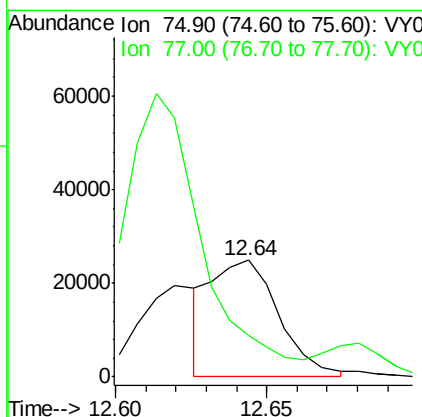
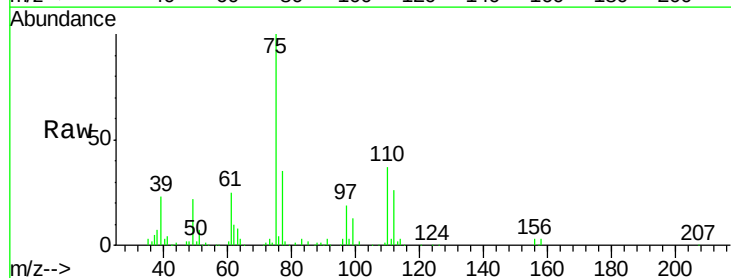
RT: 12.64 min Scan# 1789

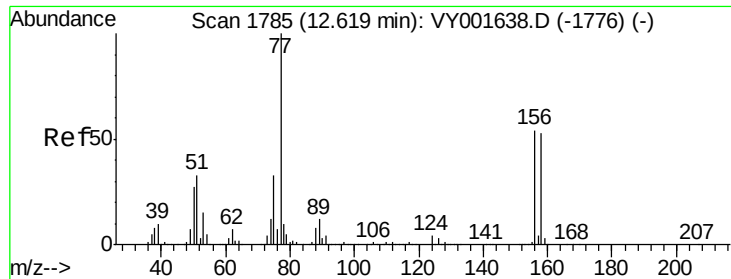
Delta R.T. 0.00 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Tgt Ion:	75	Resp:	39007
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





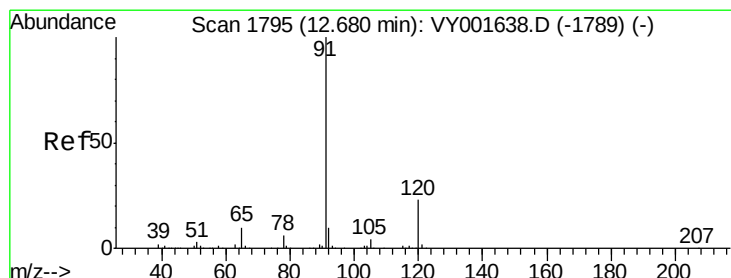
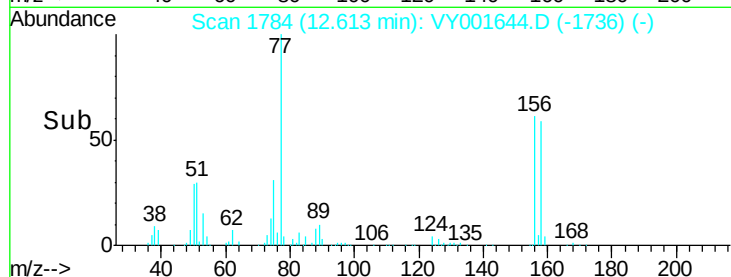
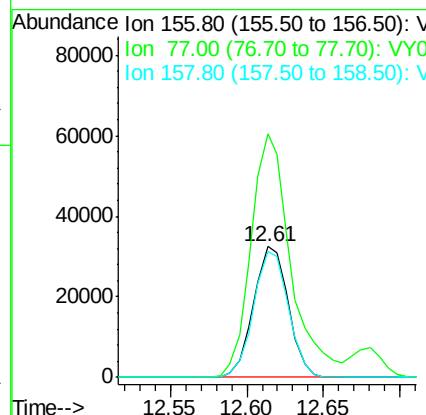
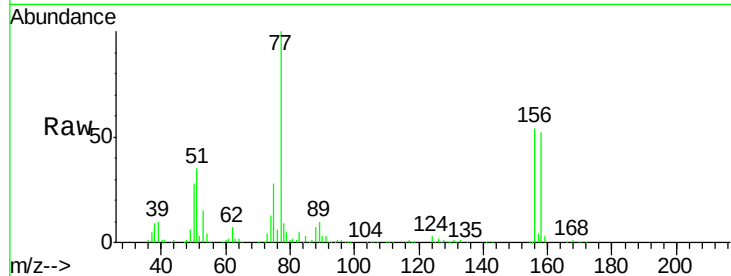
#77
Bromobenzene
Concen: 20.801 ug/l
RT: 12.61 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	212.3	110.1	330.1
158	96.1	47.9	143.7

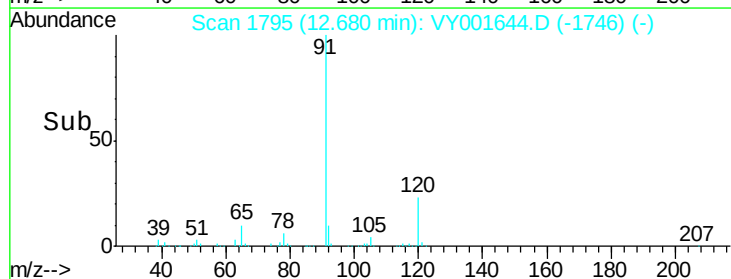
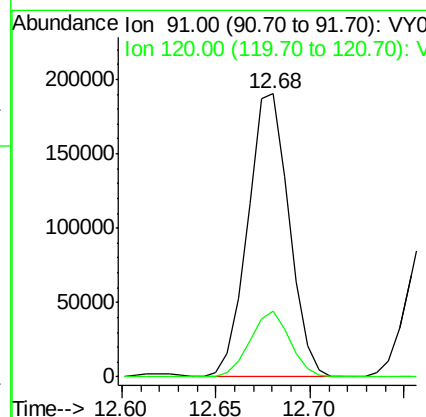
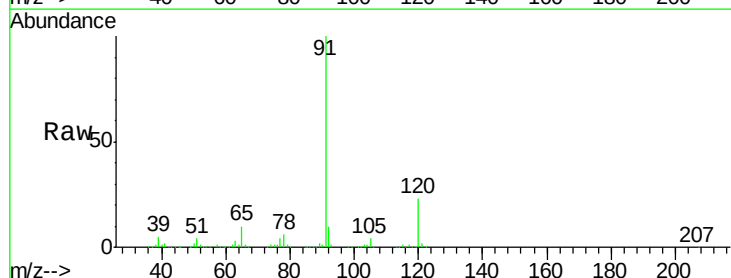
Manual Integrations
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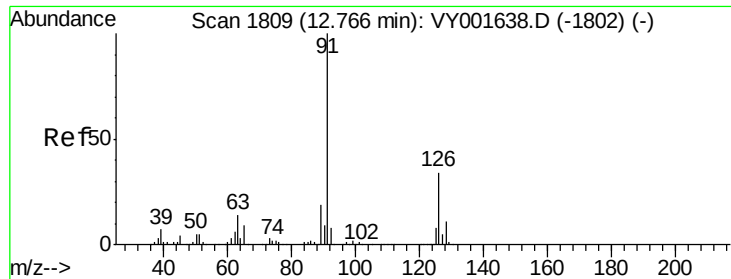
MMDadoda
2/19/2020 10:49:33 AM



#78
n-propylbenzene
Concen: 20.730 ug/l
RT: 12.68 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.1





#79

2-Chlorotoluene

Concen: 20.682 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion: 91 Resp: 161539

Ion Ratio Lower Upper

91 100

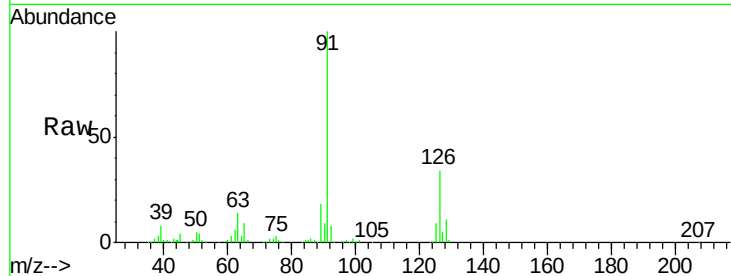
126 32.4 16.2 48.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY001638.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY001638.D (-1802) (-)

200000

150000

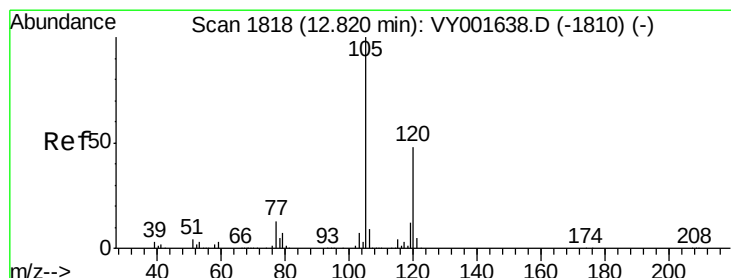
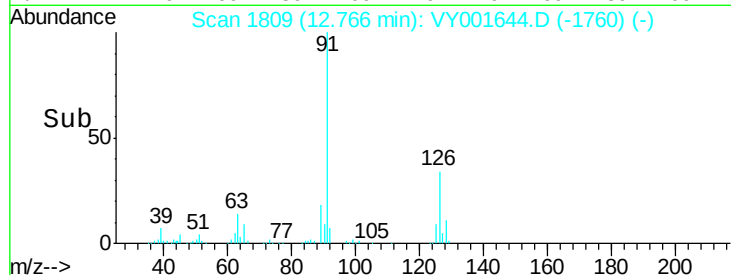
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.722 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001644.D

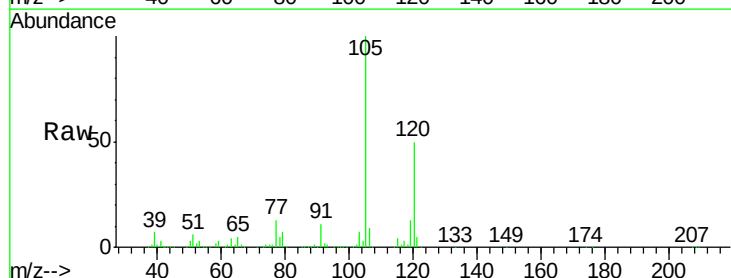
Acq: 17 Feb 2020 14:33

Tgt Ion: 105 Resp: 196143

Ion Ratio Lower Upper

105 100

120 49.2 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VY001638.D (-1810) (-)

Ion 120.00 (119.70 to 120.70): VY001638.D (-1810) (-)

150000

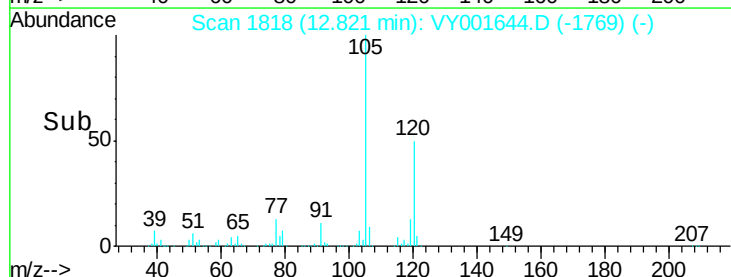
100000

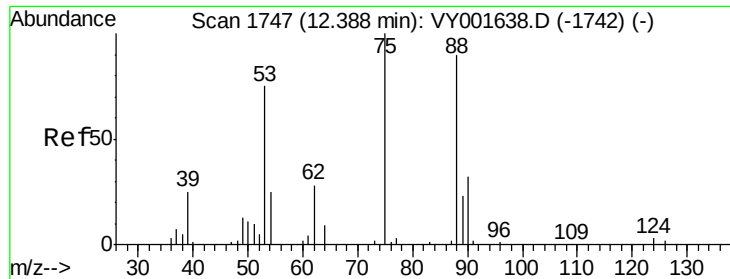
50000

0

12.75 12.80 12.85

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.462 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_Y

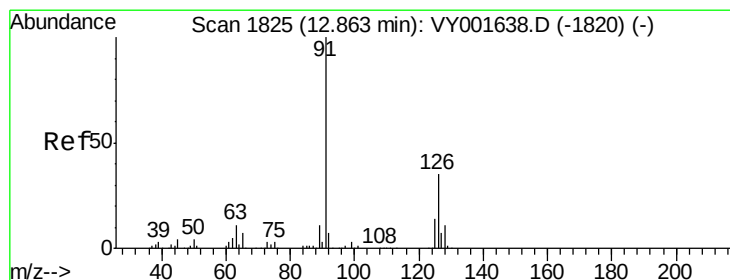
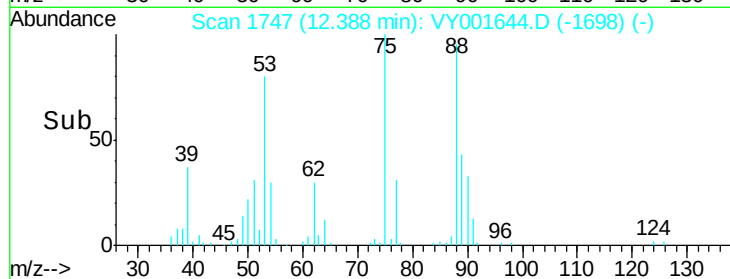
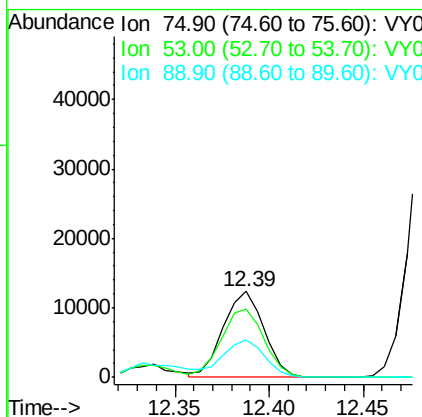
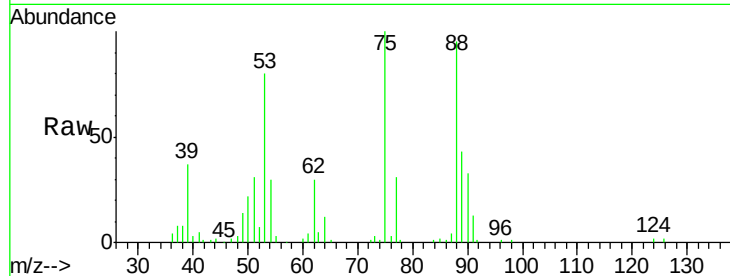
ClientSampleId :

VY0217SBS01

Tot Ion:	75	Resp:	18570
Ion Ratio	Lower	Upper	
75	100		
53	83.4	64.5	96.7
89	44.4	36.3	54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.672 ug/l

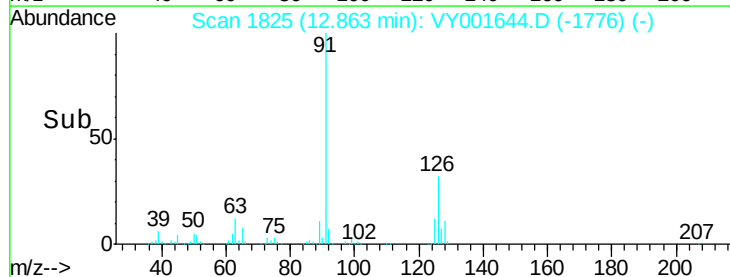
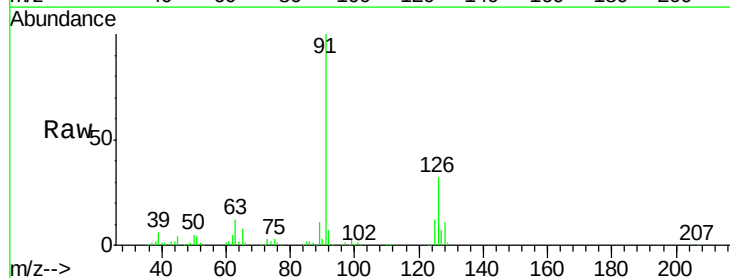
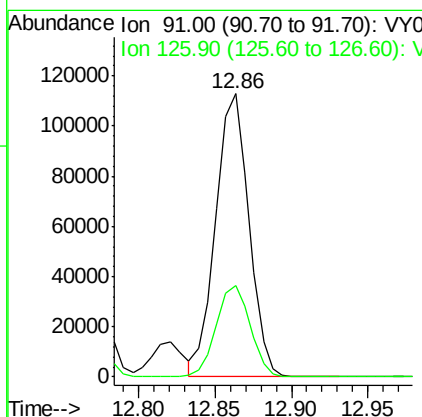
RT: 12.86 min Scan# 1825

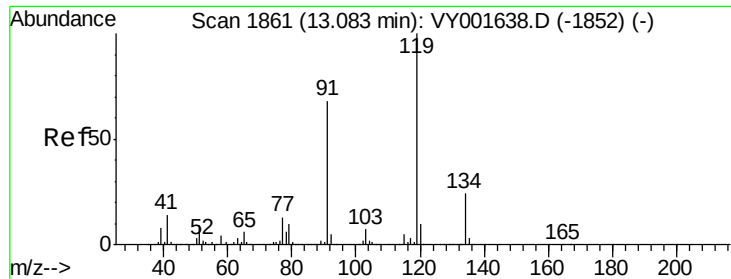
Delta R.T. 0.00 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Tgt Ion:	91	Resp:	170293
Ion Ratio	Lower	Upper	
91	100		
126	33.0	16.2	48.6





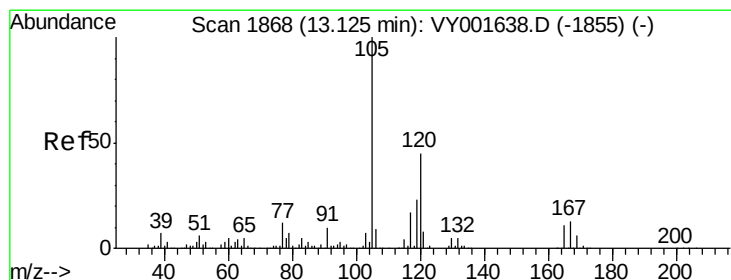
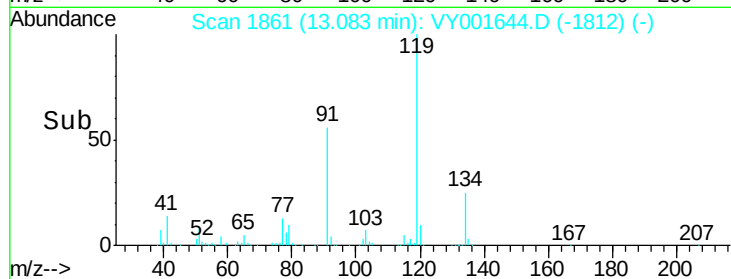
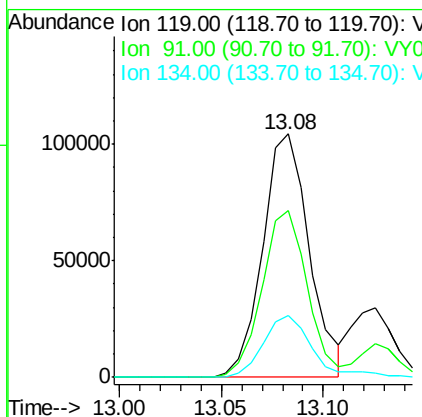
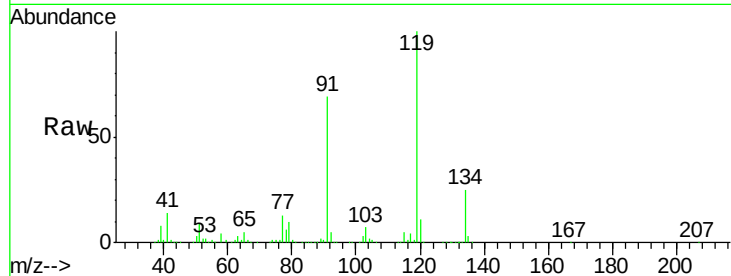
#83
tert-Butylbenzene
Concen: 21.027 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	166458		
91	66.4	33.5	100.5	
134	26.8	13.3	39.8	

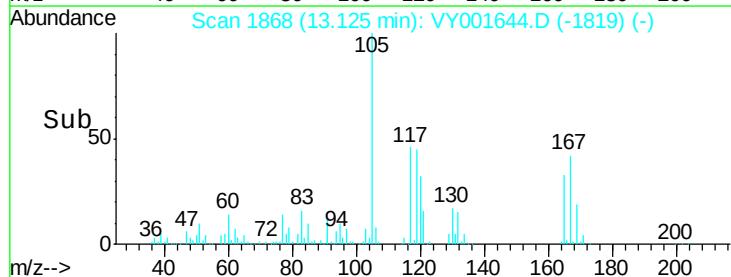
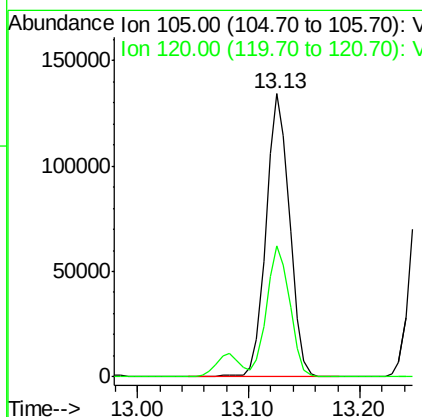
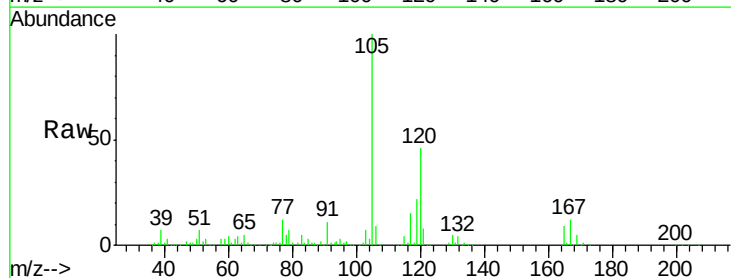
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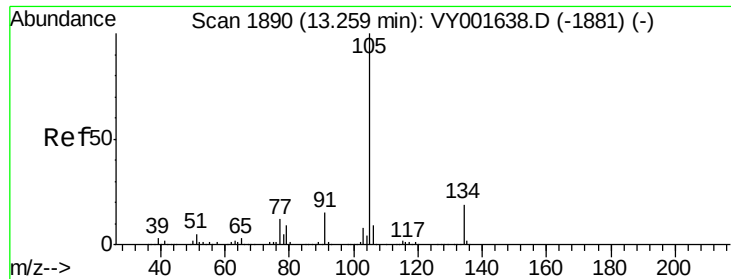
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.018 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	198339		
120	45.4	22.4	67.3	





#85

sec-Butylbenzene

Concen: 20.903 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion:105 Resp: 243374

Ion Ratio Lower Upper

105 100

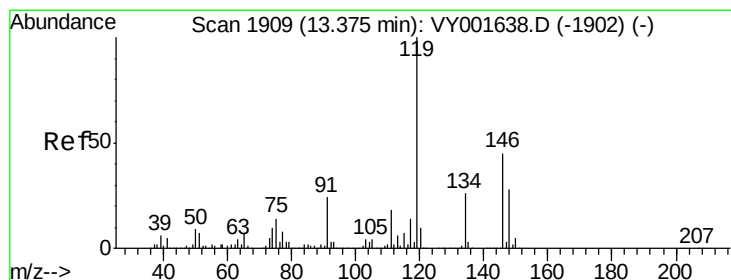
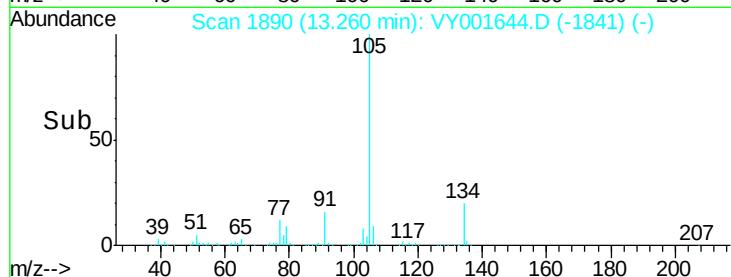
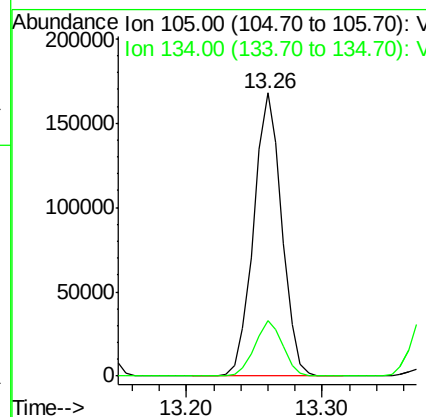
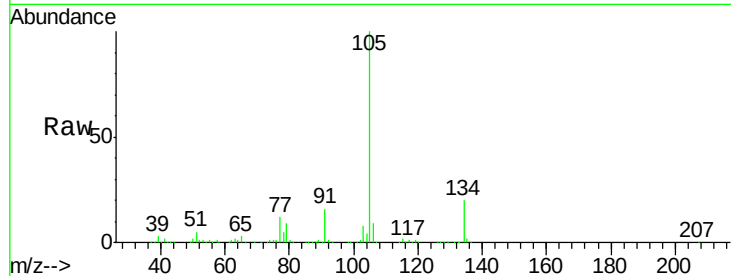
134 19.5 9.8 29.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.408 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001644.D

Acq: 17 Feb 2020 14:33

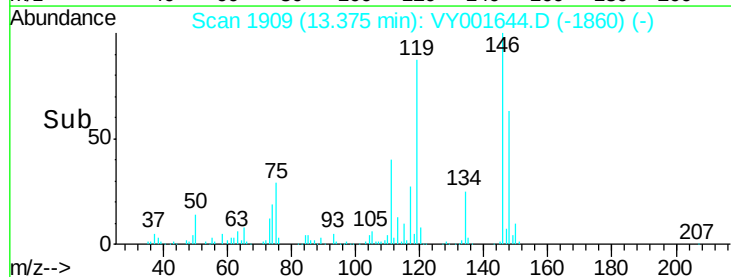
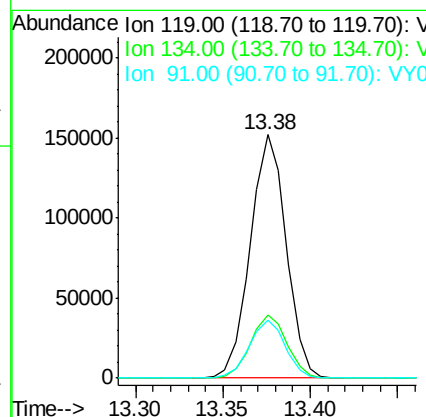
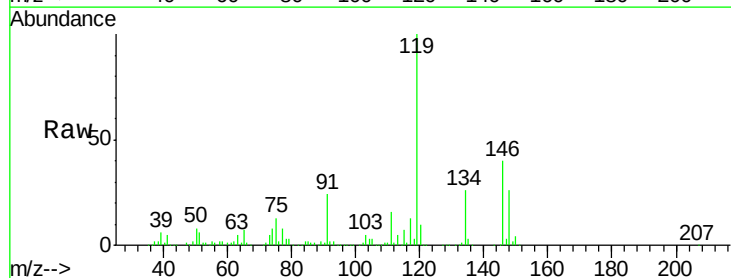
Tgt Ion:119 Resp: 216539

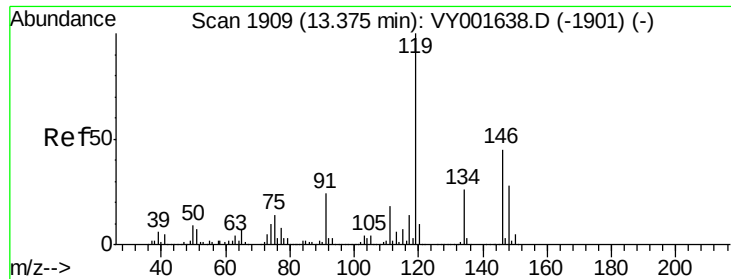
Ion Ratio Lower Upper

119 100

134 26.3 13.0 39.0

91 23.9 12.2 36.6





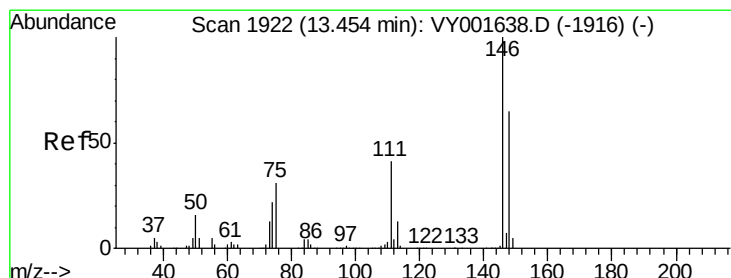
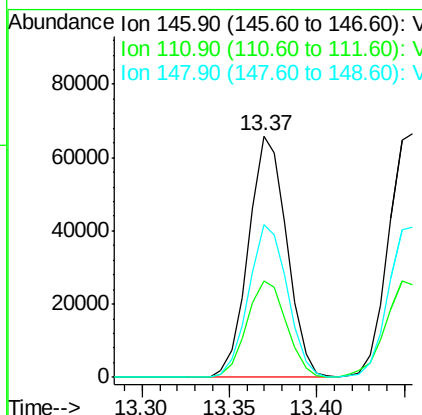
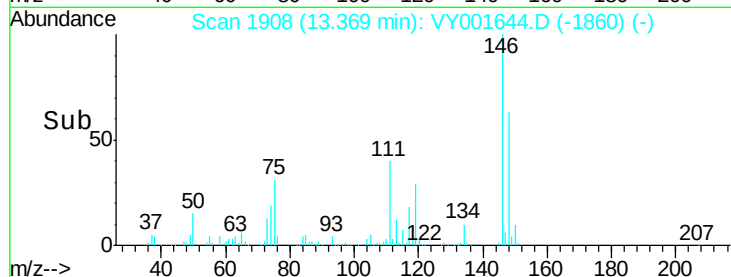
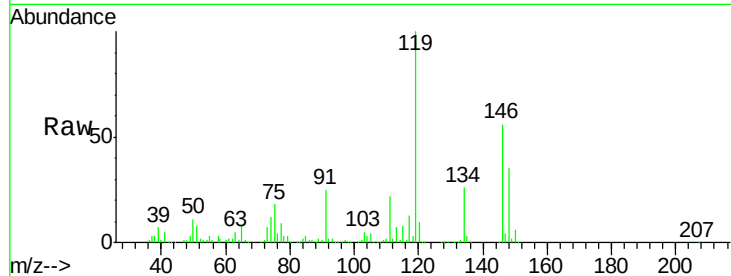
#87
 1,3-Dichlorobenzene
 Concen: 20.986 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001644.D
 Acq: 17 Feb 2020 14:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.4	64.3
148	64.2	31.6	94.7

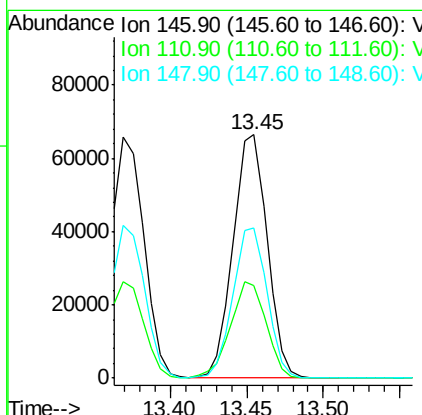
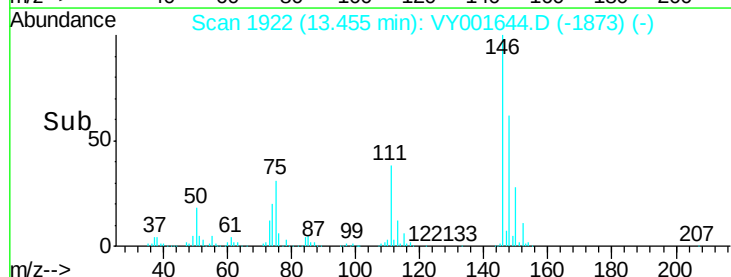
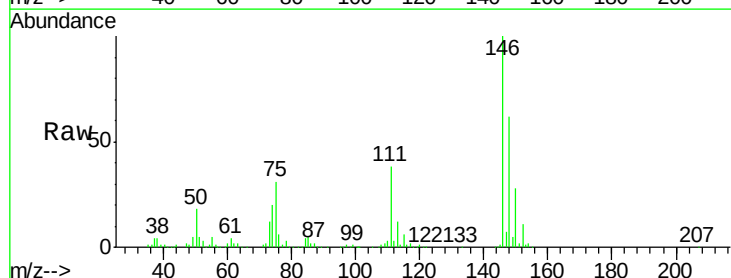
Manual Integrations
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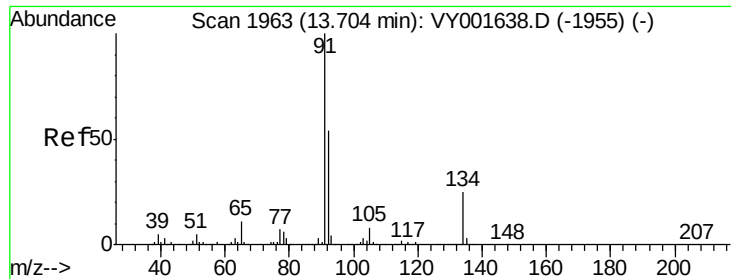
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 2/19/2020 10:49:33 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.223 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001644.D
 Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.4	61.3
148	61.9	31.6	94.7





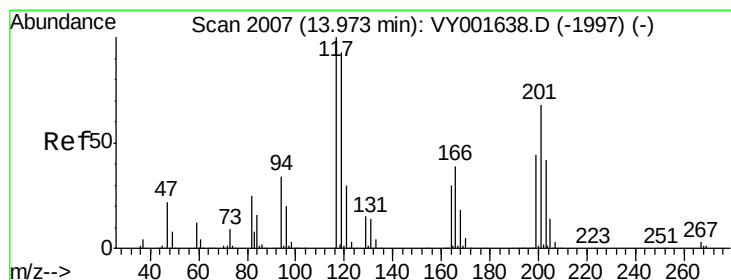
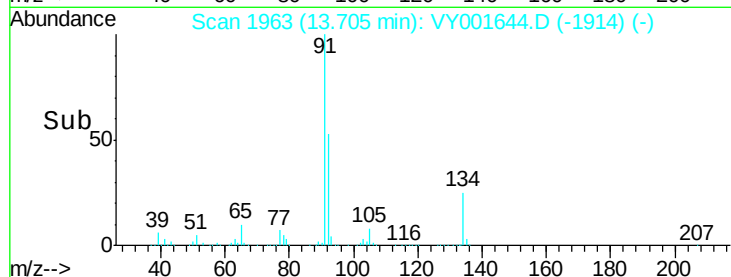
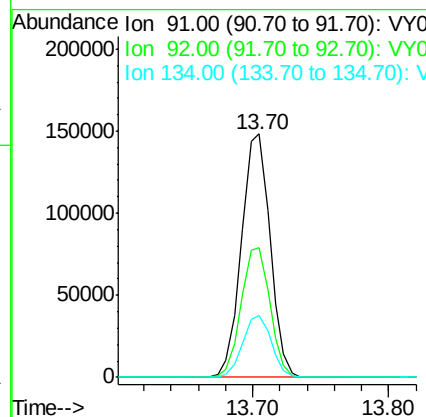
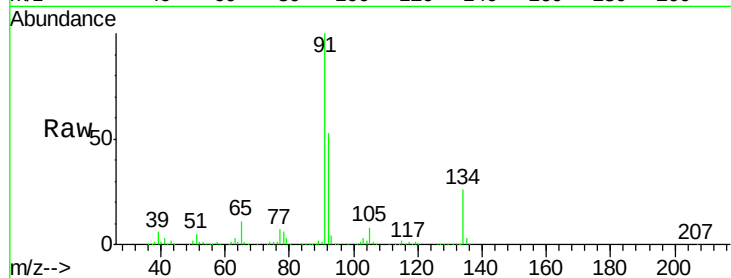
#89
n-Butylbenzene
Concen: 21.158 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	218673		
92	53.5		27.5	82.4
134	25.4		12.4	37.4

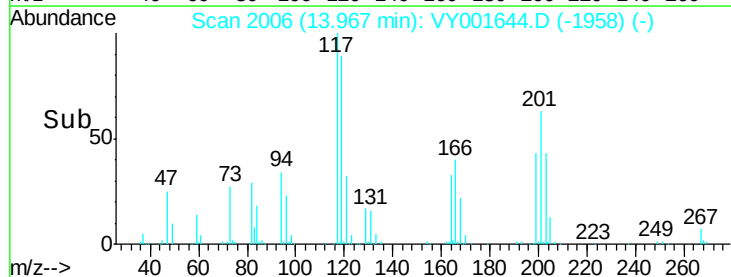
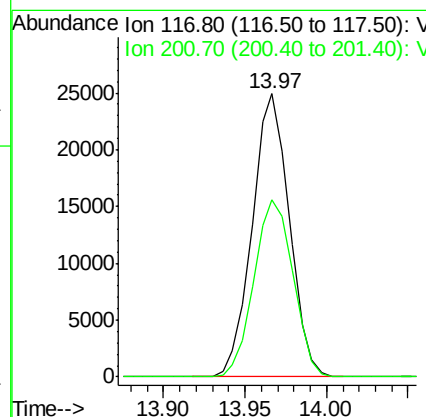
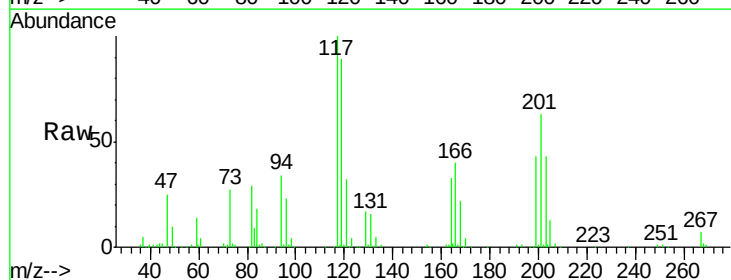
Manual Integrations
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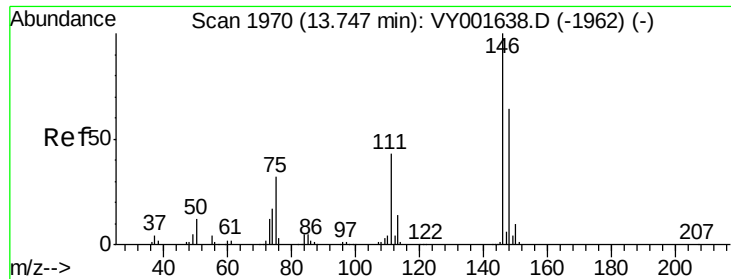
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#90
Hexachloroethane
Concen: 20.739 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	39522		
201	65.6		32.5	97.4





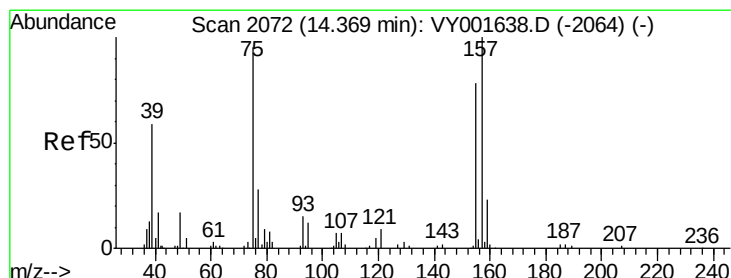
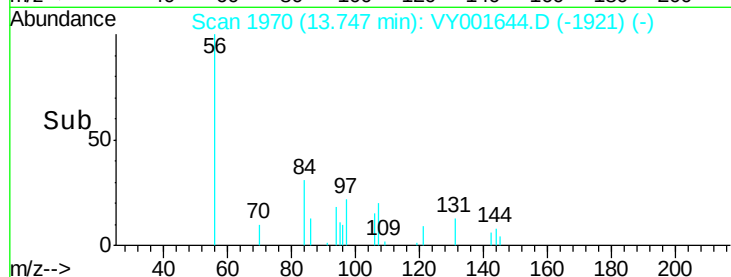
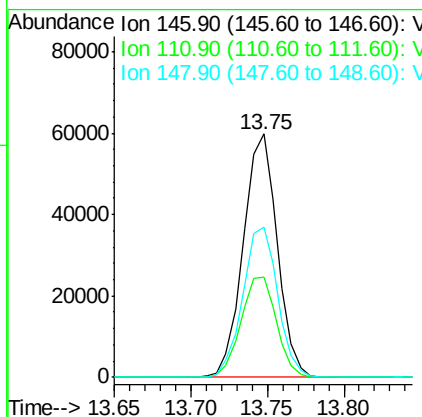
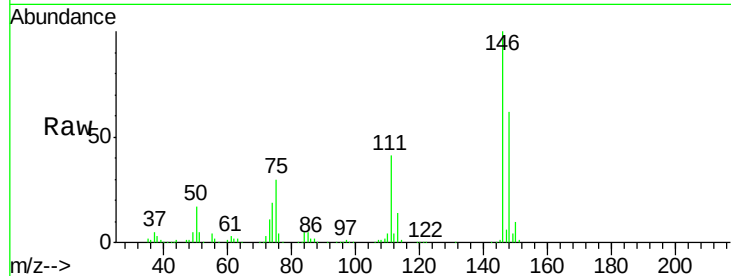
#91
 1,2-Dichlorobenzene
 Concen: 20.751 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001644.D
 Acq: 17 Feb 2020 14:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.9	65.7
148	63.7	31.5	94.5

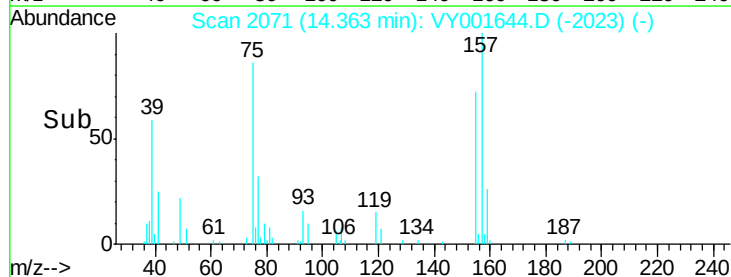
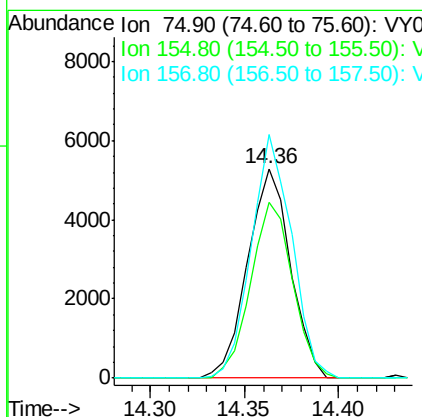
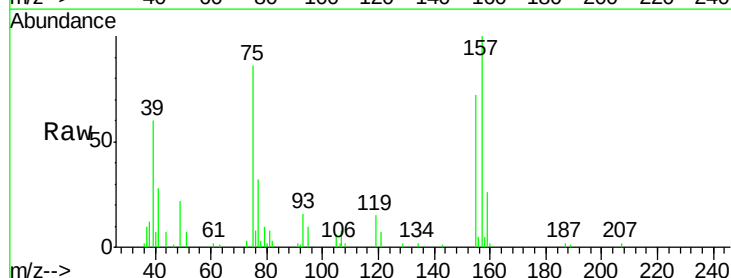
Manual Integrations
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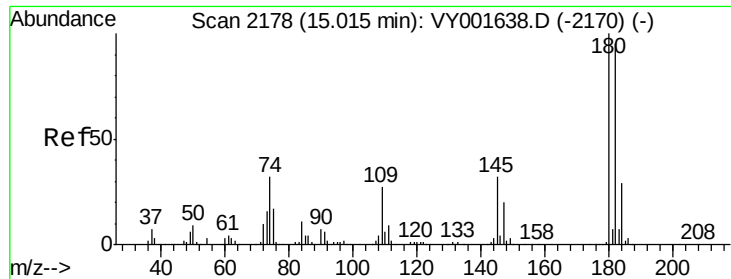
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 2/19/2020 10:49:33 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.661 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001644.D
 Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.6	40.8	122.4
157	109.6	52.1	156.4





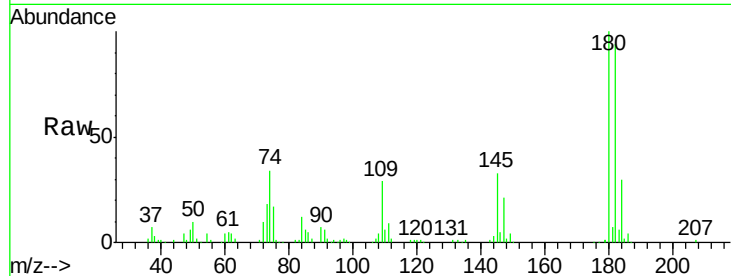
#93
1,2,4-Trichlorobenzene
Concen: 21.149 ug/l
RT: 15.01 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.2	46.8	140.3
145	30.7	16.2	48.5

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2/19/2020 10:49:33 AM

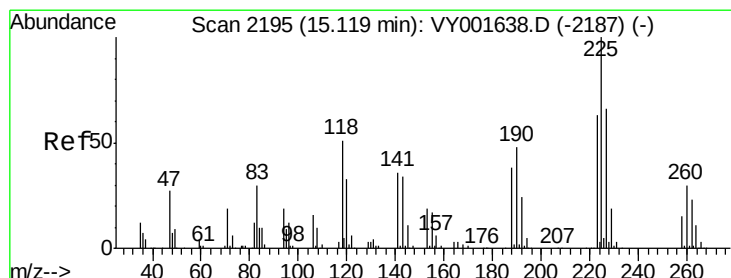
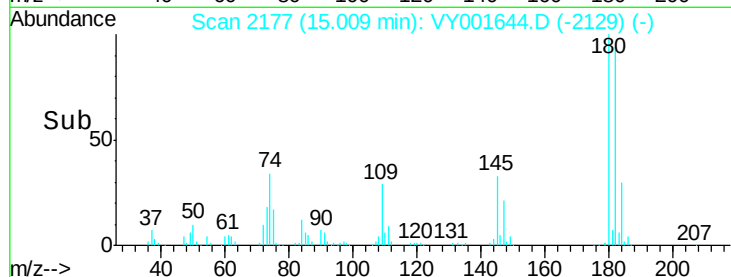
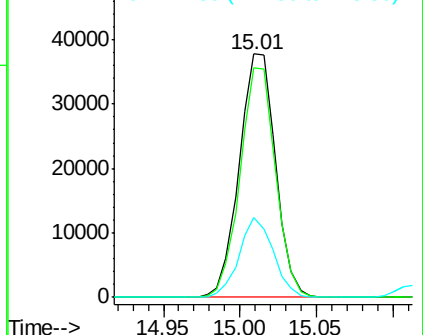


Abundance

Ion 179.80 (179.50 to 180.50): V

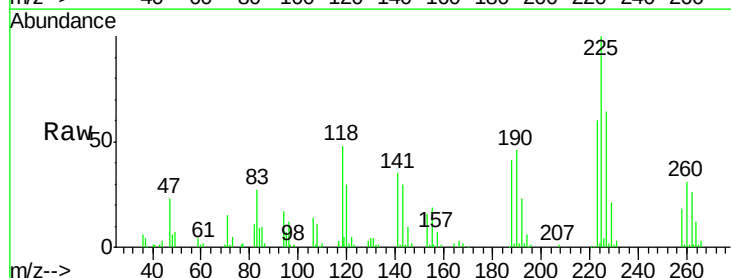
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 20.539 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.8	31.4	94.0
227	63.9	31.6	94.8

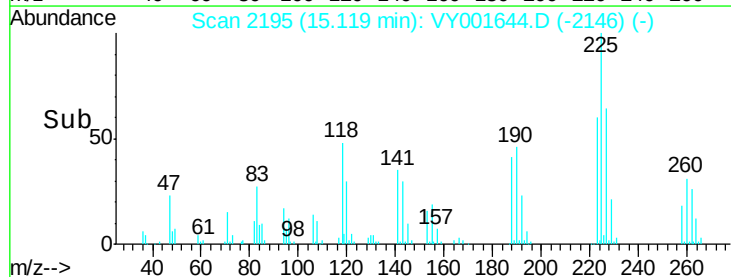
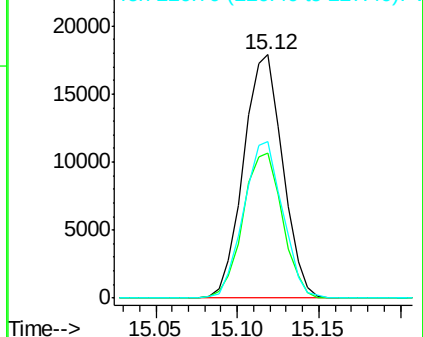


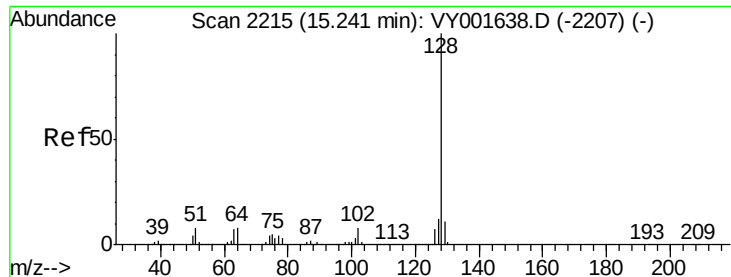
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





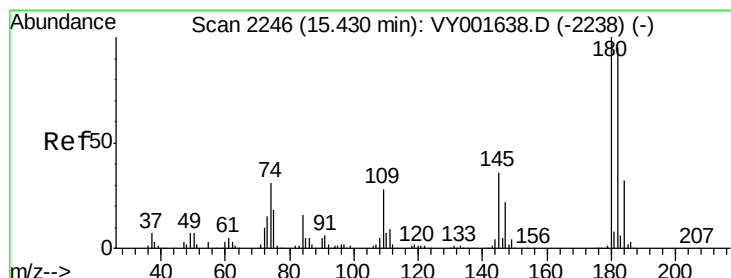
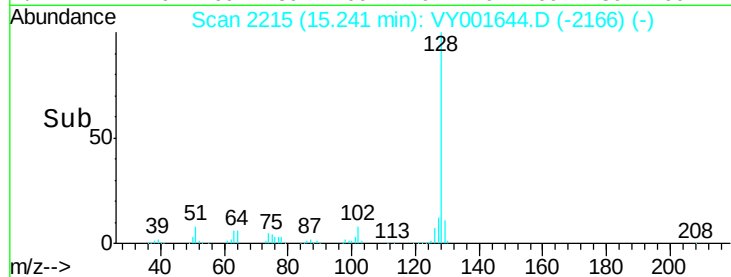
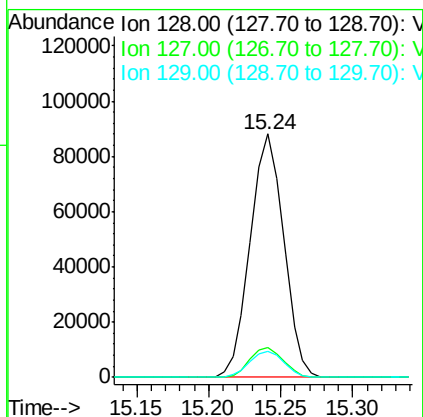
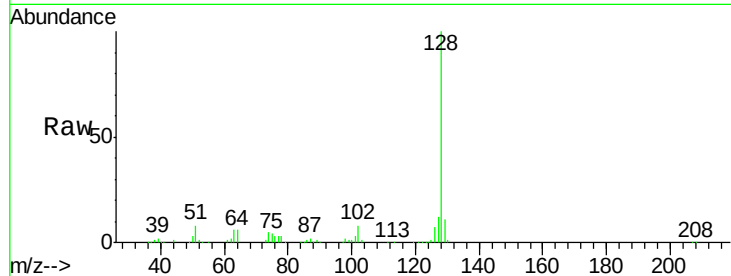
#95
Naphthalene
Concen: 20.967 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.3	9.9	14.9
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:49:33 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.272 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY001644.D
Acq: 17 Feb 2020 14:33

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	93.5	47.2	141.6
145	32.6	17.3	52.0

