

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021820\
 Data File : VY001666.D
 Acq On : 18 Feb 2020 12:07
 Operator : SY/MD
 Sample : VY0218SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Manual Integrations
 APPROVED

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 2/19/2020 1:42:55 PM

Quant Time: Feb 19 07:13:03 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	181054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	319508	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	286186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	133464	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	99460	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
35) Dibromofluoromethane	7.74	113	91781	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	10.19	98	388039	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	
62) 4-Bromofluorobenzene	12.49	95	135612	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	33571	19.022	ug/l	98
3) Chloromethane	2.12	50	48277	20.337	ug/l	96
4) Vinyl Chloride	2.26	62	49422	20.642	ug/l	97
5) Bromomethane	2.65	94	32835	21.943	ug/l	97
6) Chloroethane	2.80	64	31524	21.366	ug/l	96
7) Trichlorofluoromethane	3.13	101	64532	21.059	ug/l	95
8) Diethyl Ether	3.55	74	24811	20.538	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	40586	21.072	ug/l	97
10) Methyl Iodide	4.10	142	47226	20.034	ug/l	99
11) Tert butyl alcohol	4.97	59	34959	144.236	ug/l #	93
12) 1,1-Dichloroethene	3.89	96	40823	20.781	ug/l	97
13) Acrolein	3.74	56	20050	101.938	ug/l	95
14) Allyl chloride	4.50	41	73088	20.905	ug/l	98
15) Acrylonitrile	5.19	53	66058	106.681	ug/l	99
16) Acetone	3.97	43	59965	88.988	ug/l	99
17) Carbon Disulfide	4.21	76	133628	20.375	ug/l	100
18) Methyl Acetate	4.50	43	30336	20.672	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	113150	20.688	ug/l	100
20) Methylene Chloride	4.74	84	50507	21.101	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	47452	21.171	ug/l	98
22) Diisopropyl ether	6.14	45	150656	20.983	ug/l	96
23) Vinyl Acetate	6.09	43	488023	104.204	ug/l	99
24) 1,1-Dichloroethane	6.05	63	81668	21.282	ug/l	98
25) 2-Butanone	7.02	43	90315	98.661	ug/l	97
26) 2,2-Dichloropropane	7.00	77	71055	21.282	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	50606	20.455	ug/l	97
28) Bromochloromethane	7.36	49	31526	19.722	ug/l	100
29) Tetrahydrofuran	7.38	42	58836	106.338	ug/l	96
30) Chloroform	7.53	83	77138	20.572	ug/l	99
31) Cyclohexane	7.81	56	83550	20.420	ug/l	91
32) 1,1,1-Trichloroethane	7.72	97	65222	20.696	ug/l	99
36) 1,1-Dichloropropene	7.94	75	64128	21.012	ug/l	98
37) Ethyl Acetate	7.10	43	39023	21.423	ug/l	99
38) Carbon Tetrachloride	7.93	117	56064	20.914	ug/l	99

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Manual Integrations
 APPROVED

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Quant Time: Feb 19 07:13:03 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)
39) Methylcyclohexane	9.20	83	86700	21.413	ug/l	98
40) Benzene	8.18	78	191988	21.389	ug/l	100
41) Methacrylonitrile	7.35	41	22484m	24.583	ug/l	
42) 1,2-Dichloroethane	8.26	62	50979	20.848	ug/l	99
43) Isopropyl Acetate	8.30	43	72221	20.896	ug/l	98
44) Trichloroethene	8.96	130	47668	21.274	ug/l	96
45) 1,2-Dichloropropane	9.23	63	48582	21.612	ug/l	99
46) Dibromomethane	9.32	93	24572	20.899	ug/l	97
47) Bromodichloromethane	9.51	83	59027	20.802	ug/l	98
48) Methyl methacrylate	9.31	41	32247	20.631	ug/l	97
49) 1,4-Dioxane	9.32	88	6894	415.147	ug/l	93
51) 4-Methyl-2-Pentanone	10.08	43	187627	105.662	ug/l	98
52) Toluene	10.26	92	120285	21.484	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	65984	21.034	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	76182	21.100	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	36532	21.072	ug/l	97
56) Ethyl methacrylate	10.52	69	53389	20.528	ug/l	95
57) 1,3-Dichloropropane	10.80	76	65069	21.123	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	134699	128.415	ug/l	99
59) 2-Hexanone	10.85	43	134059	100.618	ug/l	99
60) Dibromochloromethane	11.00	129	39998	20.926	ug/l	99
61) 1,2-Dibromoethane	11.10	107	34143	20.829	ug/l	97
64) Tetrachloroethene	10.73	164	38823	21.610	ug/l	98
65) Chlorobenzene	11.53	112	122009	21.354	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	41781	21.677	ug/l	98
67) Ethyl Benzene	11.60	91	227406	21.447	ug/l	99
68) m/p-Xylenes	11.71	106	170923	43.154	ug/l	97
69) o-Xylene	12.04	106	80212	21.302	ug/l	98
70) Styrene	12.05	104	140225	21.428	ug/l	99
71) Bromoform	12.22	173	22701	20.610	ug/l #	98
73) Isopropylbenzene	12.34	105	217349	21.377	ug/l	100
74) N-amyl acetate	12.15	43	67295	20.739	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.59	83	44388	20.446	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	29598m	19.332	ug/l	
77) Bromobenzene	12.62	156	47522	21.560	ug/l	94
78) n-propylbenzene	12.68	91	266687	21.536	ug/l	100
79) 2-Chlorotoluene	12.77	91	146576	21.104	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	179942	21.380	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	16051	19.890	ug/l	96
82) 4-Chlorotoluene	12.86	91	153616	20.971	ug/l	98
83) tert-Butylbenzene	13.08	119	149710	21.268	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	181967	21.686	ug/l	98
85) sec-Butylbenzene	13.27	105	223909	21.628	ug/l	100
86) p-Isopropyltoluene	13.38	119	195705	21.760	ug/l	98
87) 1,3-Dichlorobenzene	13.38	146	92040	21.531	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	92874	21.494	ug/l	99
89) n-Butylbenzene	13.70	91	197588	21.500	ug/l	99
90) Hexachloroethane	13.97	117	35853	21.158	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	83976	21.287	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	7635	21.310	ug/l	92

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Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBSD01

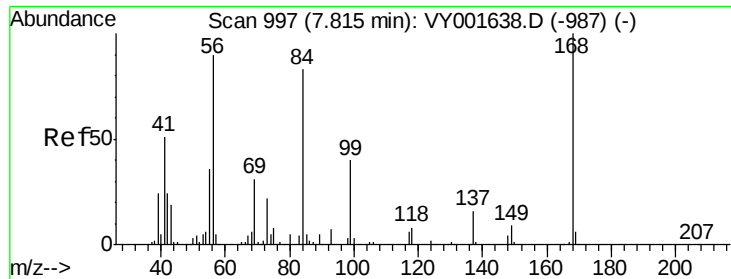
Manual Integrations
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2/19/2020 1:42:55 PM

Quant Time: Feb 19 07:13:03 2020
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	15.02	180	54992	21.036	ug/l	100
94) Hexachlorobutadiene	15.12	225	26971	20.745	ug/l	98
95) Naphthalene	15.25	128	121033	20.080	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	47269	20.553	ug/l	99

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



#1

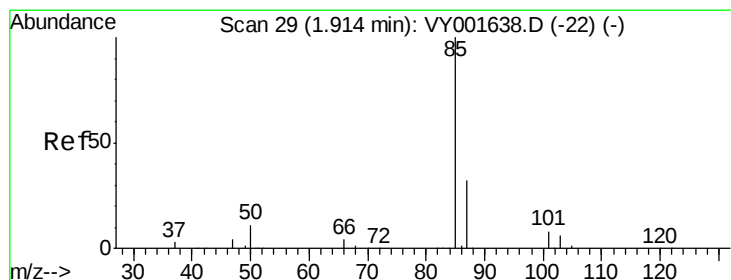
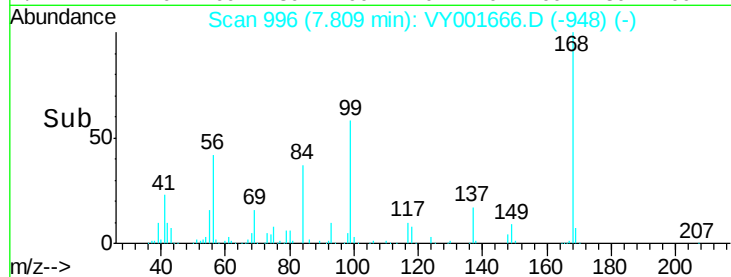
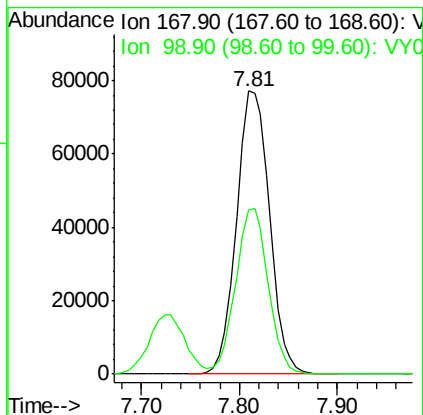
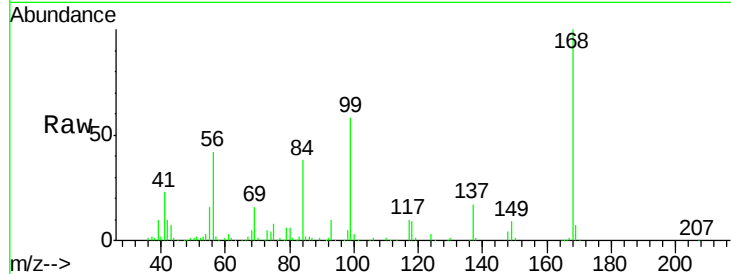
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VY001666.D
 Acq: 18 Feb 2020 12:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	58.2	47.5	71.3

Manual Integrations
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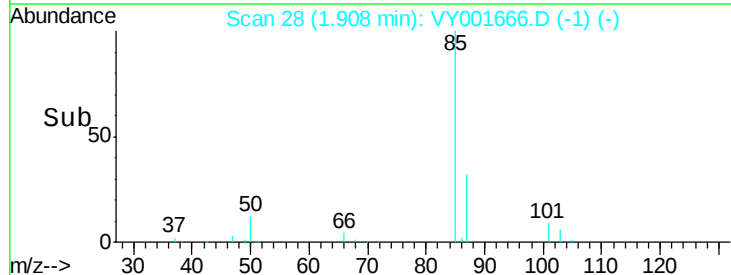
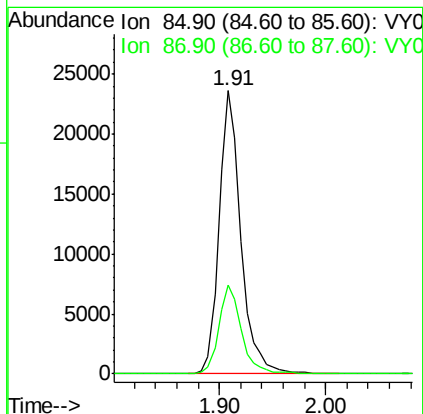
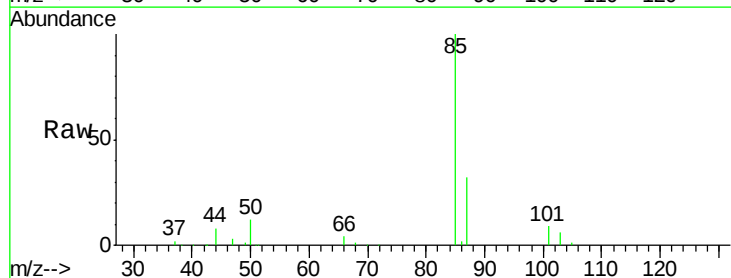
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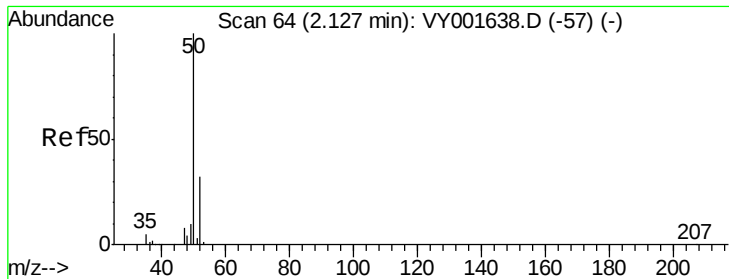


#2

Dichlorodifluoromethane
 Concen: 19.022 ug/l
 RT: 1.91 min Scan# 28
 Delta R.T. -0.01 min
 Lab File: VY001666.D
 Acq: 18 Feb 2020 12:07

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.2	48.6





#3

Chloromethane

Concen: 20.337 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 50 Resp: 48277

Ion Ratio Lower Upper

50 100

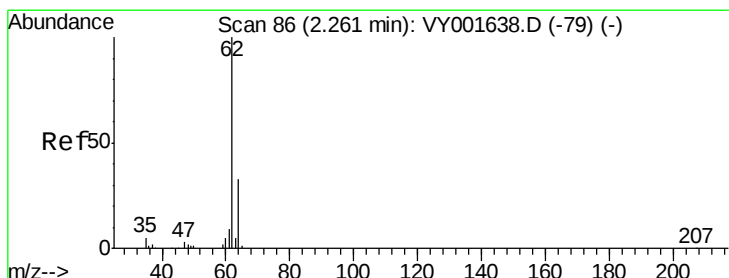
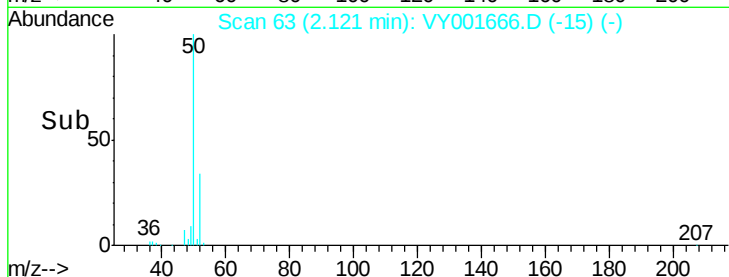
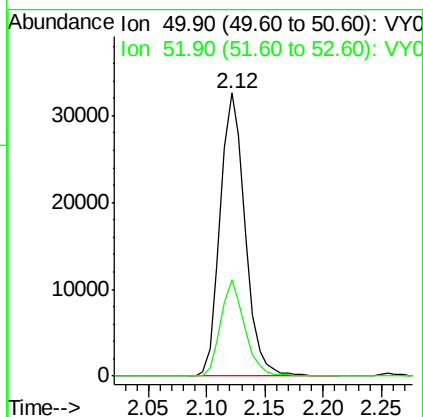
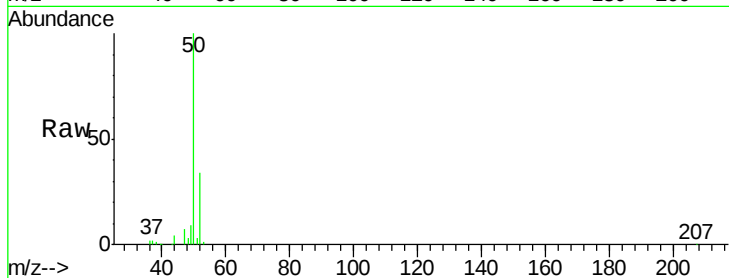
52 34.2 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.642 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY001666.D

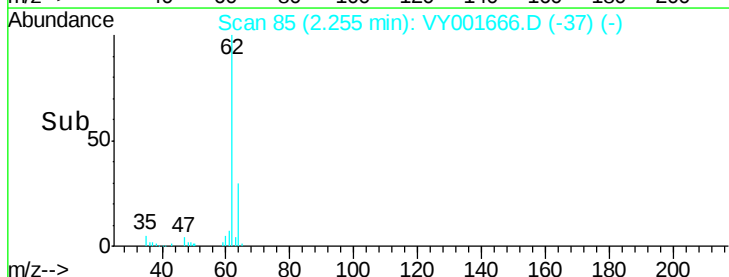
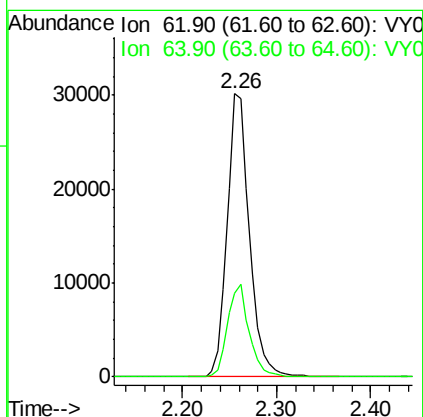
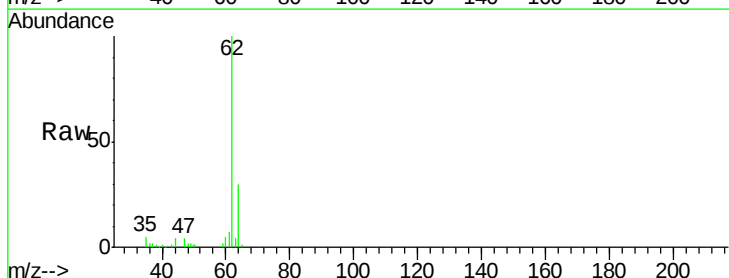
Acq: 18 Feb 2020 12:07

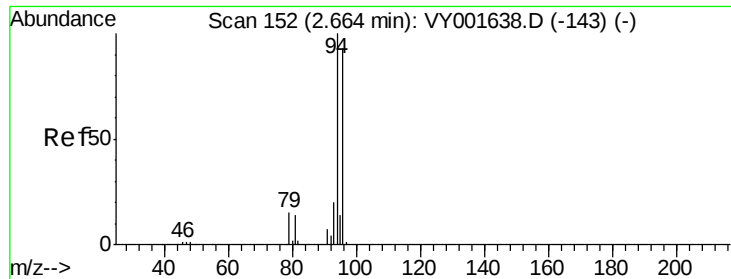
Tgt Ion: 62 Resp: 49422

Ion Ratio Lower Upper

62 100

64 29.5 24.9 37.3





#5

Bromomethane

Concen: 21.943 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 94 Resp: 32835

Ion Ratio Lower Upper

94 100

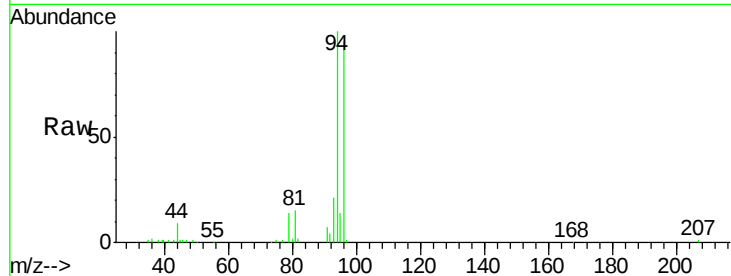
96 94.9 73.7 110.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

15000

10000

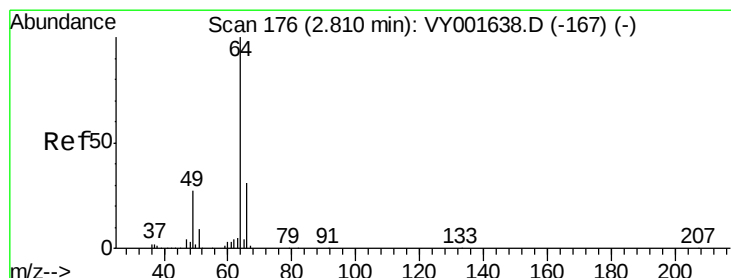
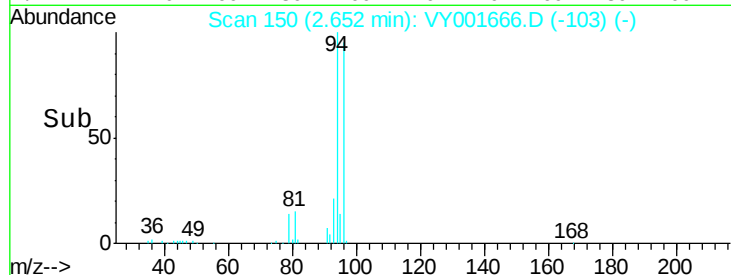
5000

0

2.65

2.60 2.70 2.80

Time-->



#6

Chloroethane

Concen: 21.366 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001666.D

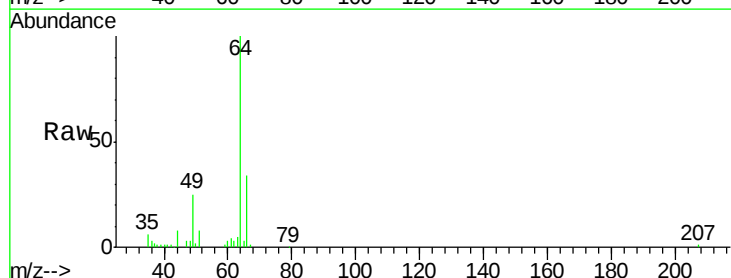
Acq: 18 Feb 2020 12:07

Tgt Ion: 64 Resp: 31524

Ion Ratio Lower Upper

64 100

66 33.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

15000

10000

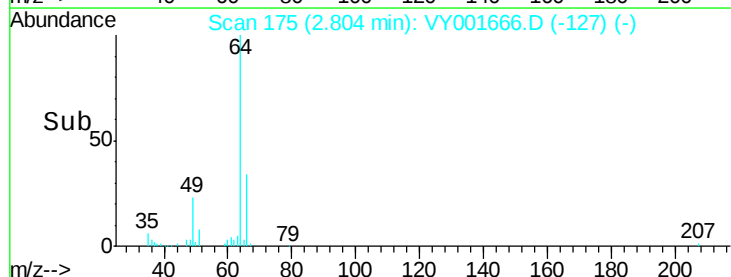
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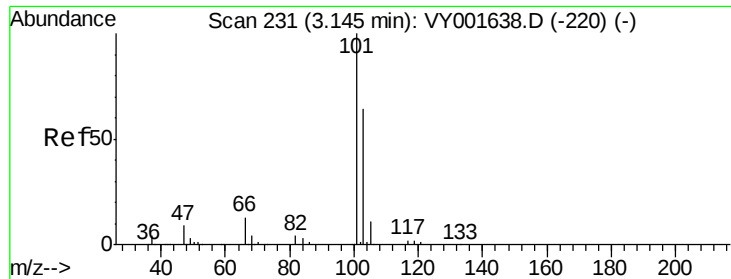
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2.80

2.70 2.80 2.90

Time-->





#7

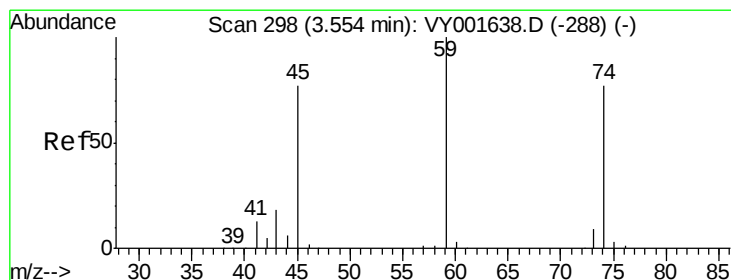
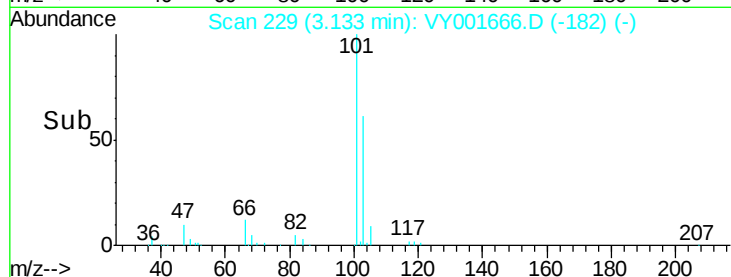
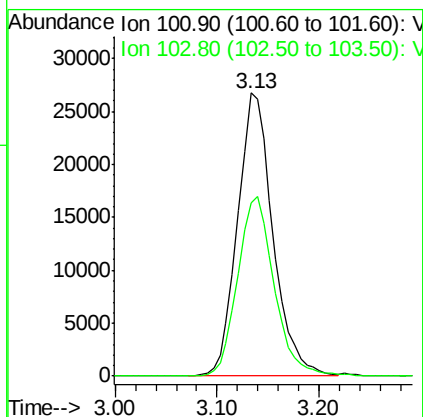
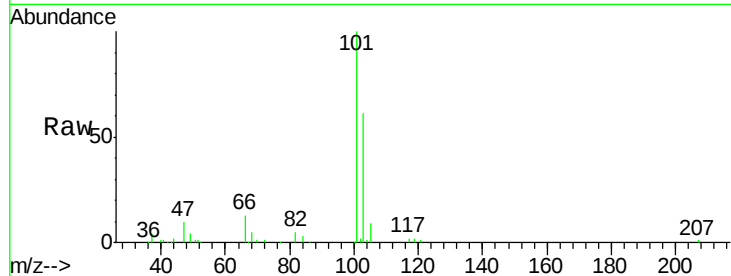
Trichlorofluoromethane
Concen: 21.059 ug/l
RT: 3.13 min Scan# 229
Delta R.T. -0.01 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Instrument :
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ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.3	52.2	78.2

Manual Integrations
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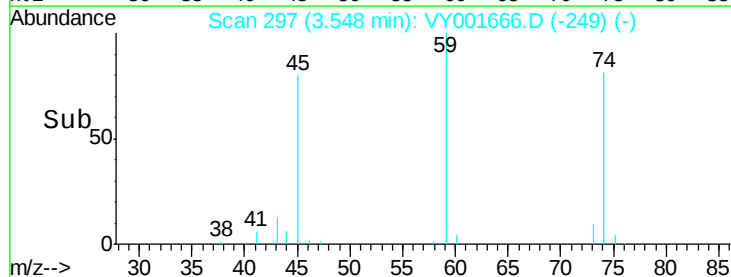
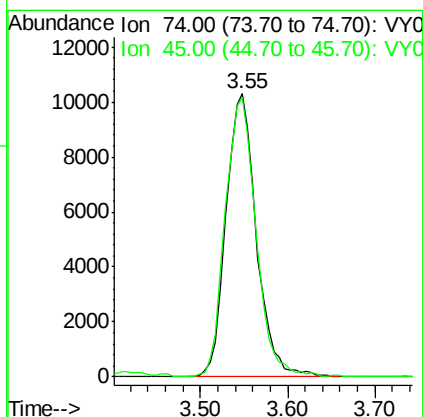
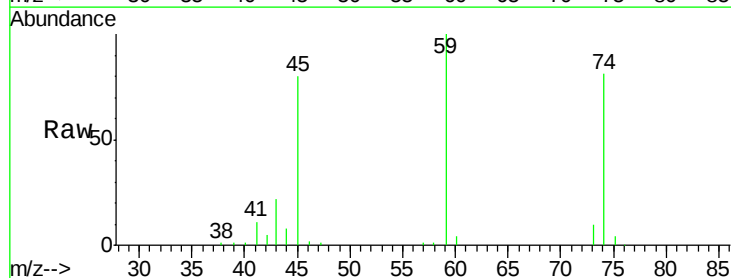
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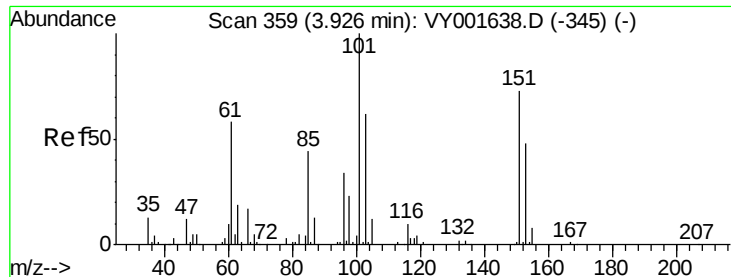


#8

Diethyl Ether
Concen: 20.538 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.01 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.6	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.072 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

Instrument :

MSVOA_Y

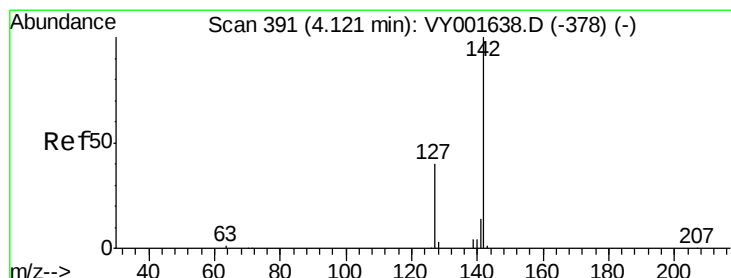
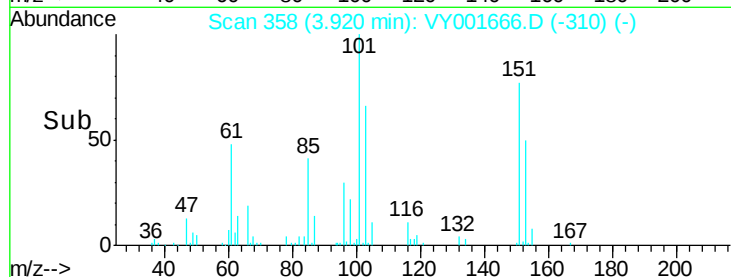
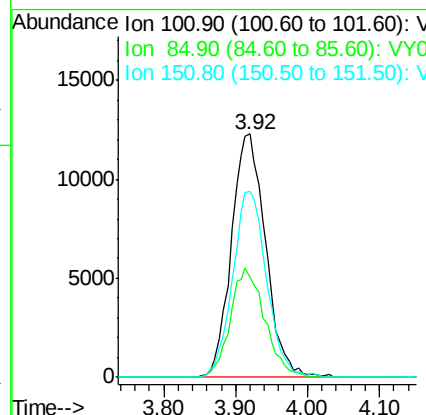
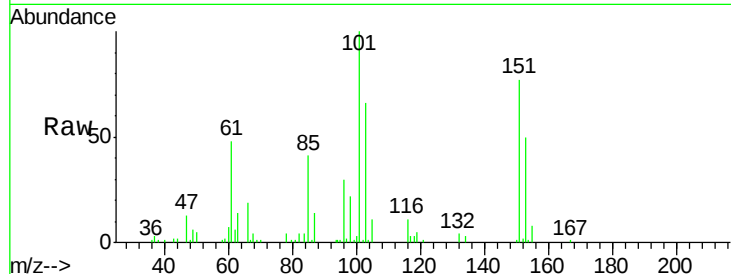
ClientSampleId :

VY0218SBS01

Tot Ion:	101	Resp:	40586
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.1	52.7
151	76.1	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 20.034 ug/l

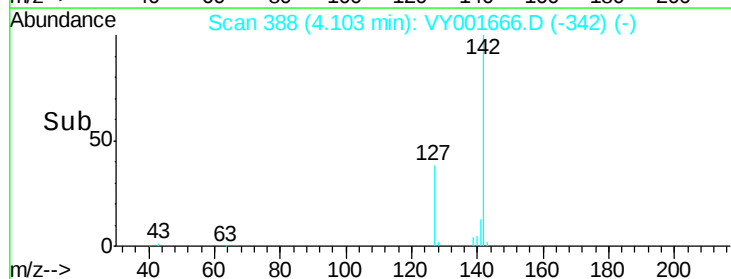
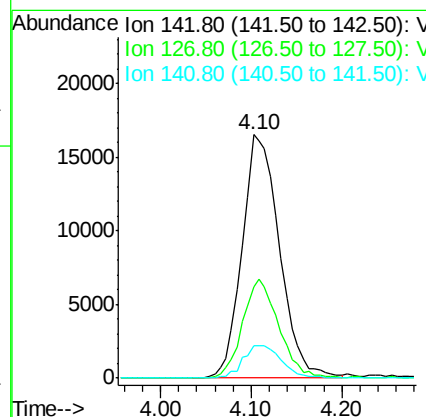
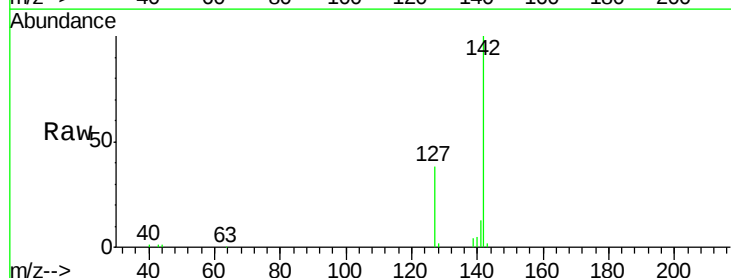
RT: 4.10 min Scan# 388

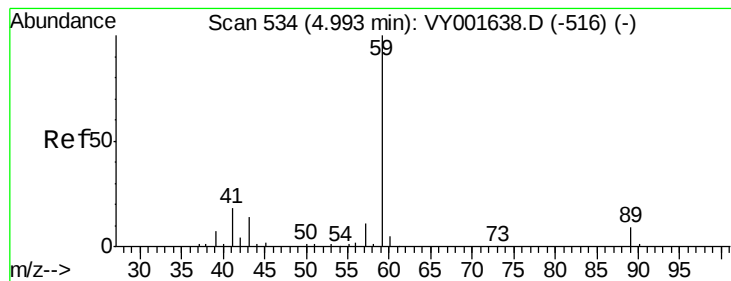
Delta R.T. -0.02 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

Tgt Ion:	142	Resp:	47226
Ion Ratio	Lower	Upper	
142	100		
127	39.4	32.1	48.1
141	13.8	11.3	16.9





#11

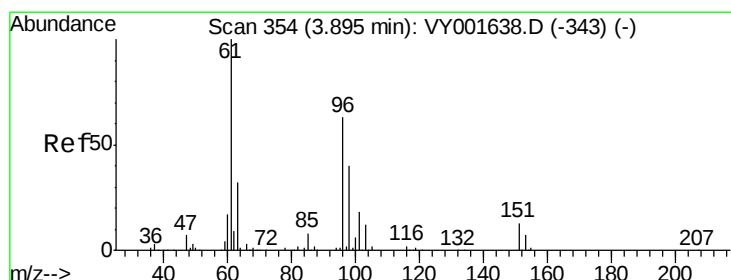
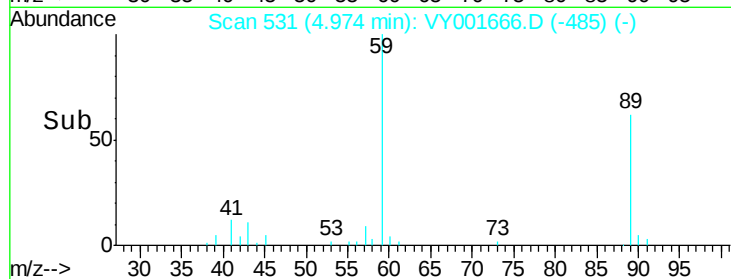
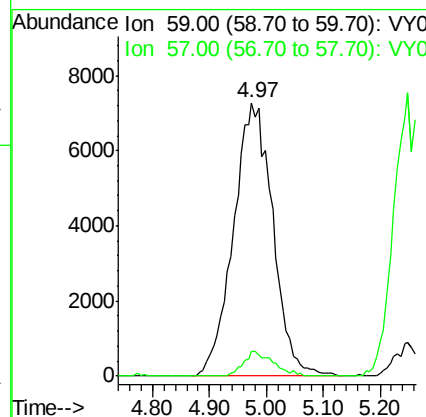
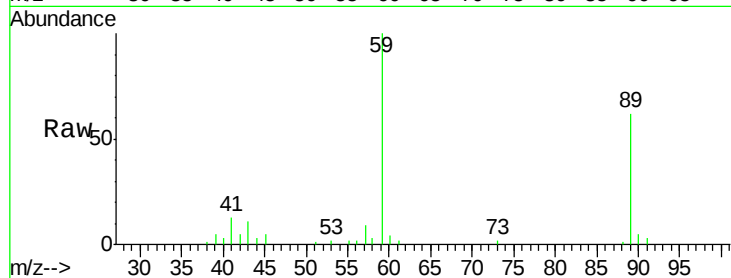
Tert butyl alcohol
 Concen: 144.236 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VY001666.D
 Acq: 18 Feb 2020 12:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.9	7.4	11.2#

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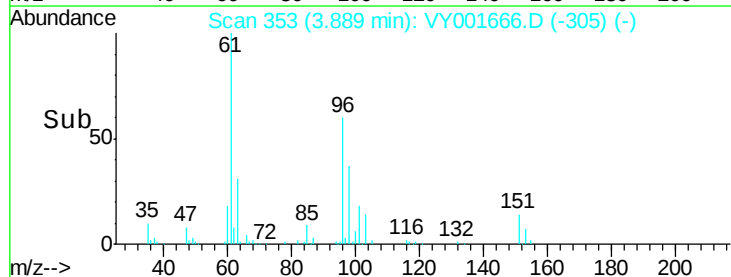
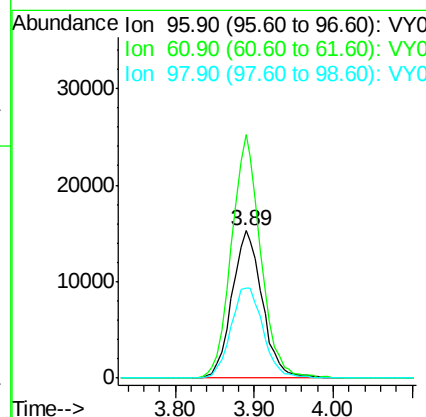
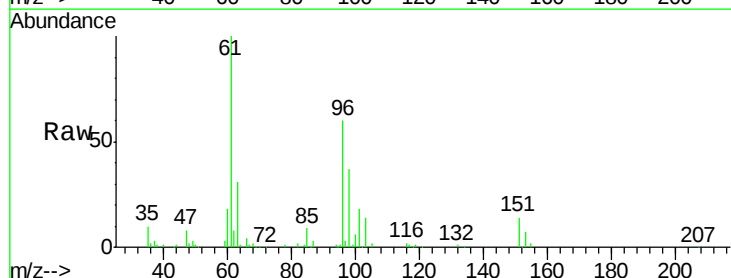
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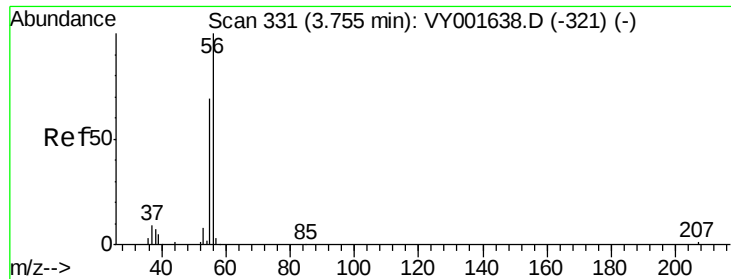


#12

1,1-Dichloroethene
 Concen: 20.781 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VY001666.D
 Acq: 18 Feb 2020 12:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.5	128.7	193.1
98	61.2	50.7	76.1





#13

Acrolein

Concen: 101.938 ug/l

RT: 3.74 min Scan# 329

Delta R.T. -0.01 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 56 Resp: 20050

Ion Ratio Lower Upper

56 100

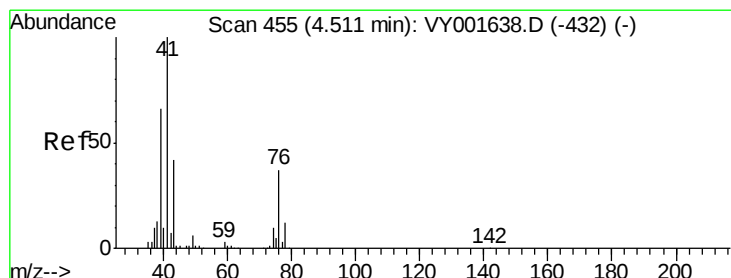
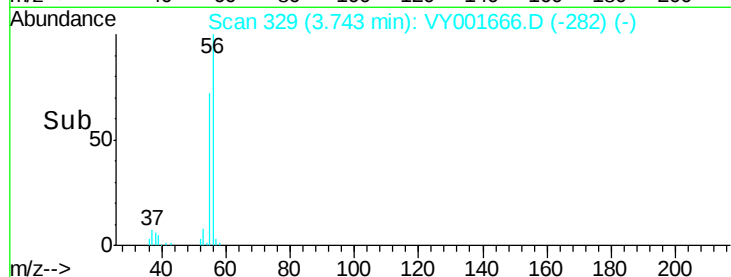
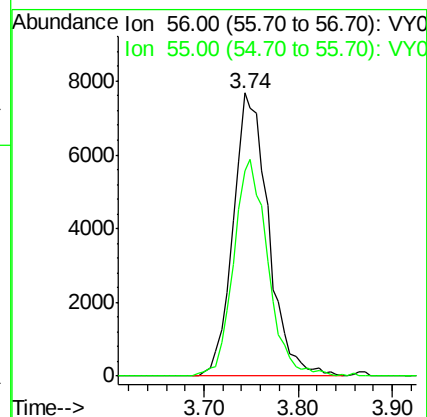
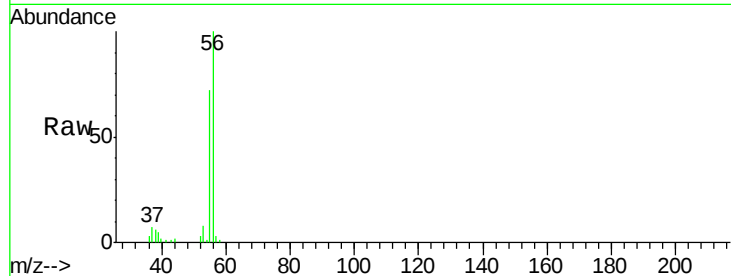
55 74.1 56.1 84.1

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#14

Allyl chloride

Concen: 20.905 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

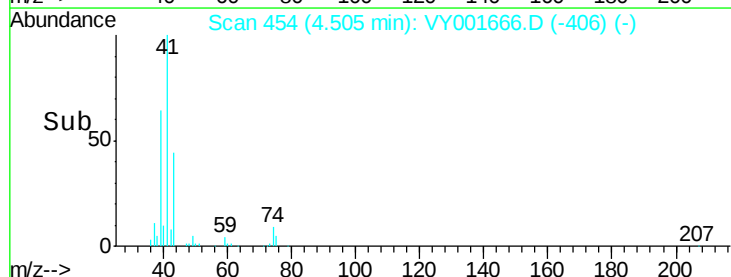
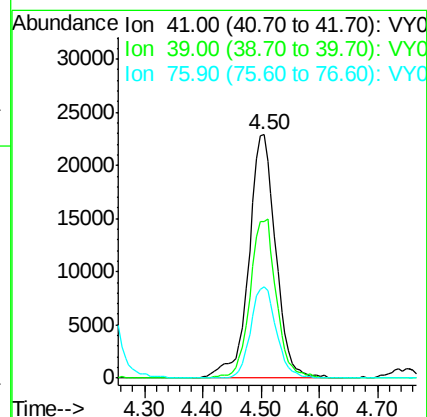
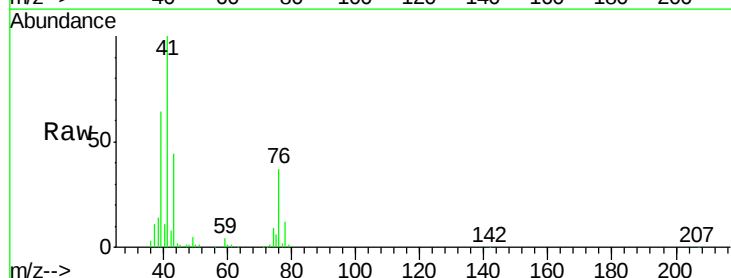
Tgt Ion: 41 Resp: 73088

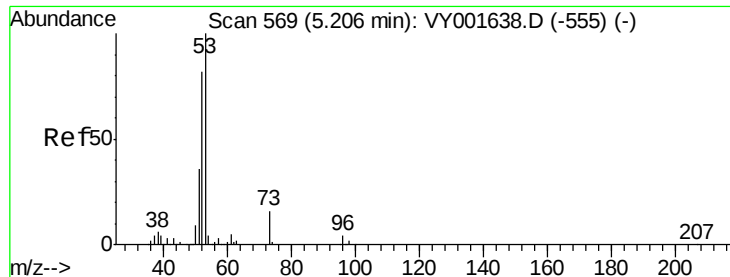
Ion Ratio Lower Upper

41 100

39 64.1 49.4 74.0

76 35.8 29.0 43.6





#15

Acrylonitrile

Concen: 106.681 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

Instrument :

MSVOA_Y

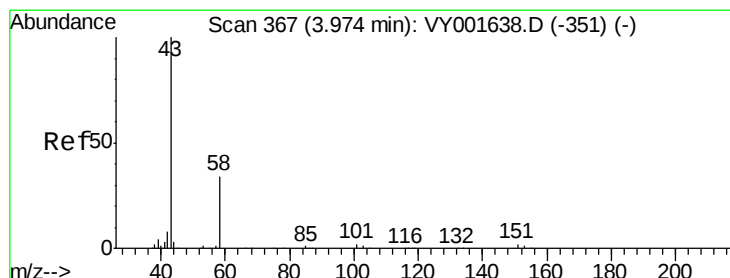
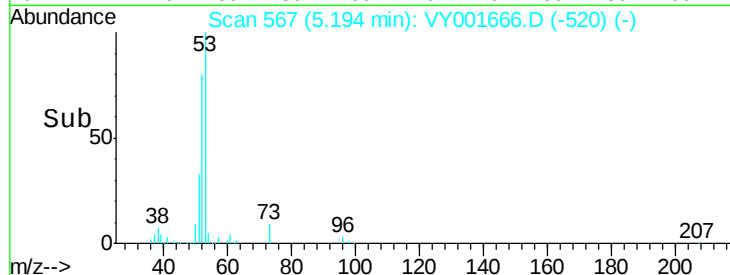
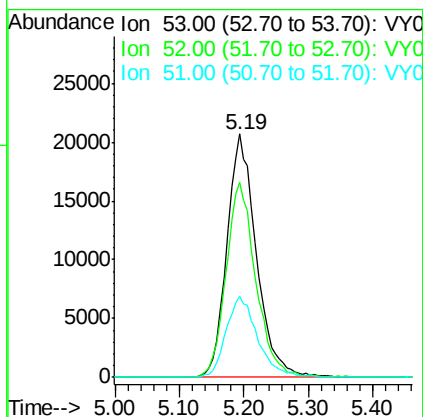
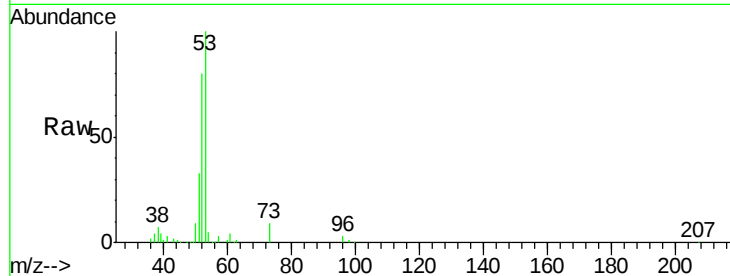
ClientSampleId :

VY0218SBS01

Tot Ion:	53	Resp:	66058
Ion Ratio	Lower	Upper	
53	100		
52	80.7	65.4	98.0
51	35.7	28.0	42.0

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#16

Acetone

Concen: 88.988 ug/l

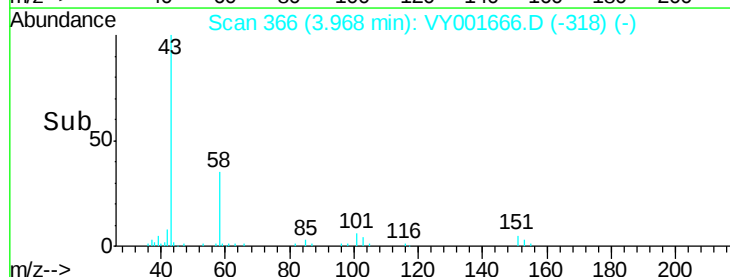
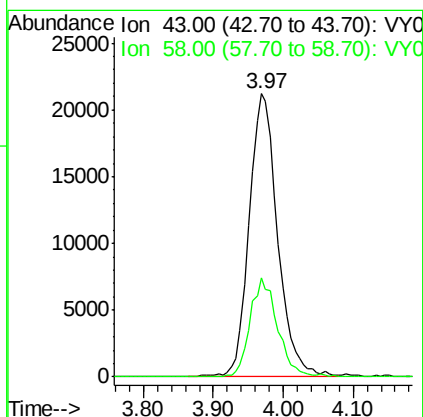
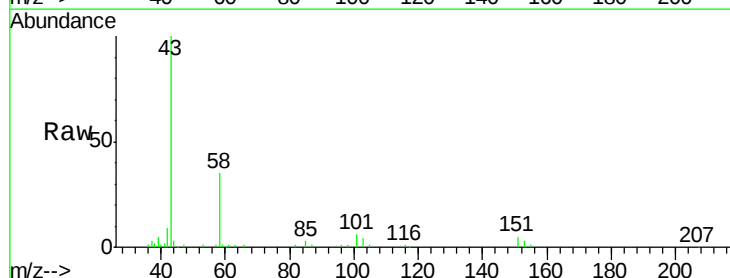
RT: 3.97 min Scan# 366

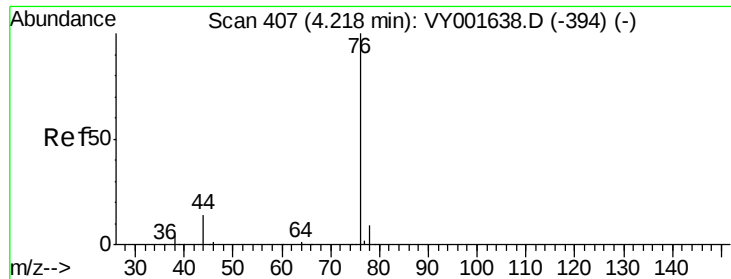
Delta R.T. -0.01 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

Tgt Ion:	43	Resp:	59965
Ion Ratio	Lower	Upper	
43	100		
58	34.8	27.3	40.9





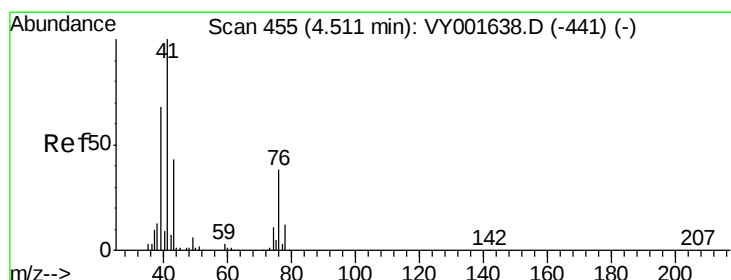
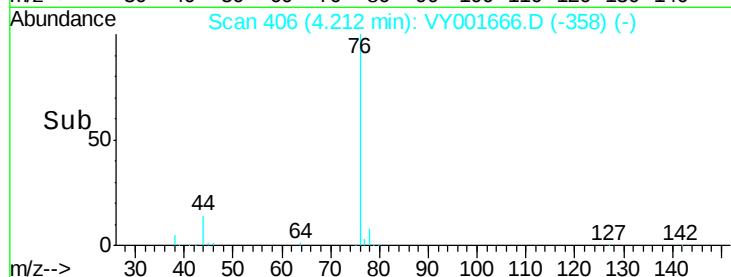
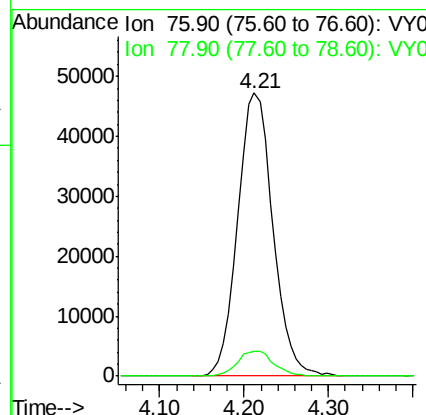
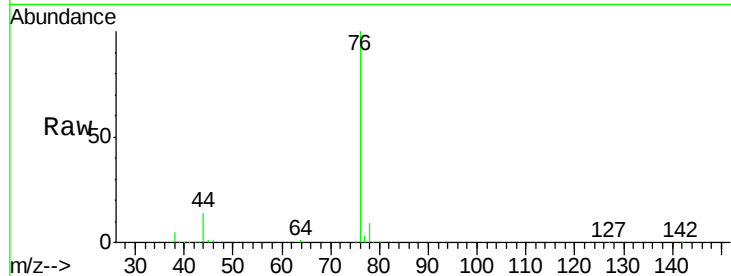
#17
Carbon Disulfide
Concen: 20.375 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.01 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

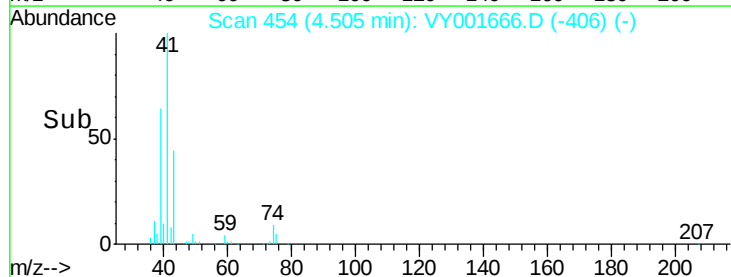
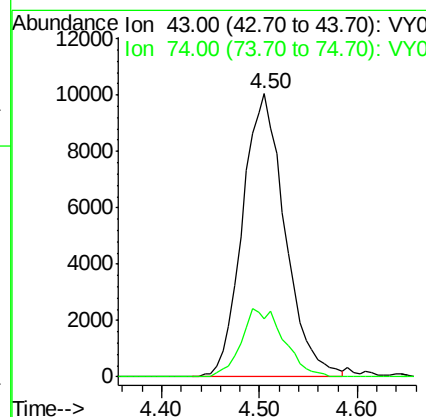
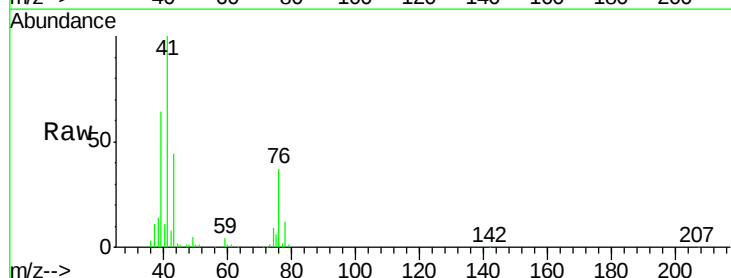
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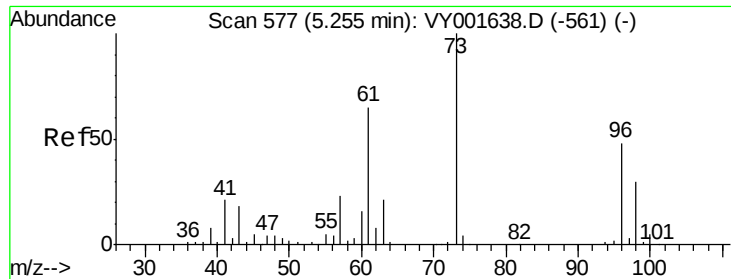
MMDadoda
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#18
Methyl Acetate
Concen: 20.672 ug/l
RT: 4.50 min Scan# 454
Delta R.T. -0.01 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.1	28.7





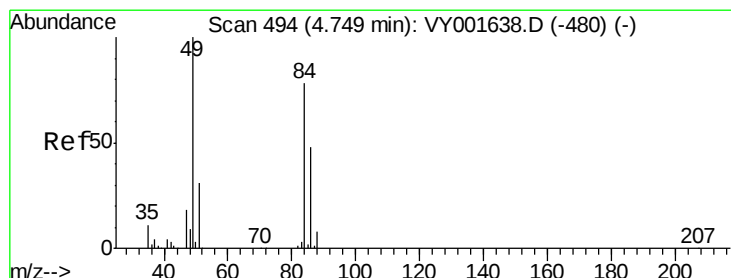
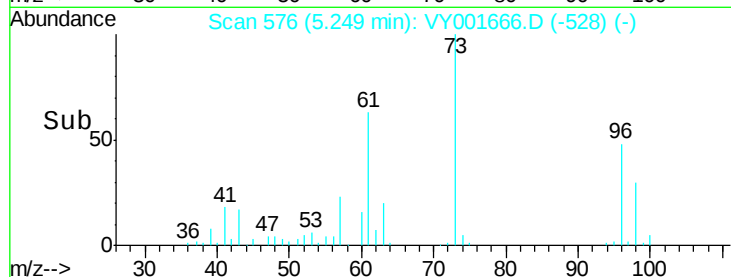
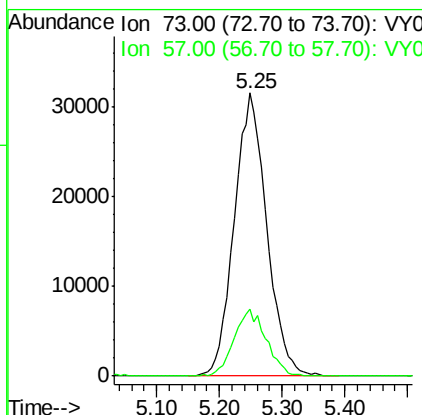
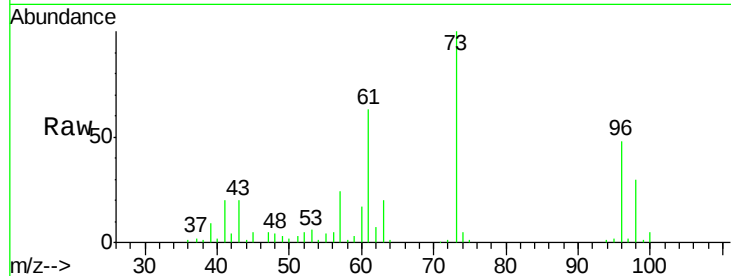
#19
Methvl tert-butvl Ether
Concen: 20.688 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.01 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion: 73 Resp: 113150
Ion Ratio Lower Upper
73 100
57 23.8 19.0 28.6

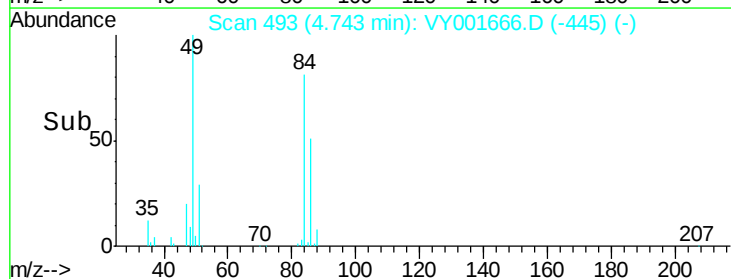
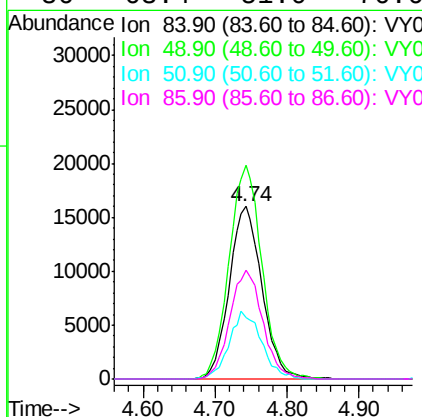
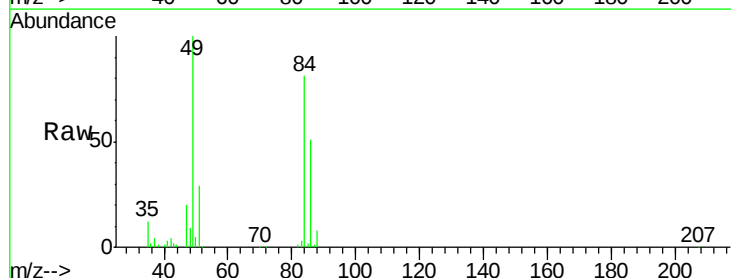
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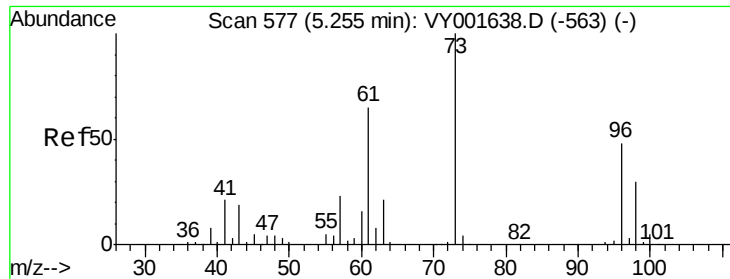
MMDadoda
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#20
Methylene Chloride
Concen: 21.101 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Tgt Ion: 84 Resp: 50507
Ion Ratio Lower Upper
84 100
49 124.0 99.2 148.8
51 36.0 31.5 47.3
86 63.4 51.0 76.6





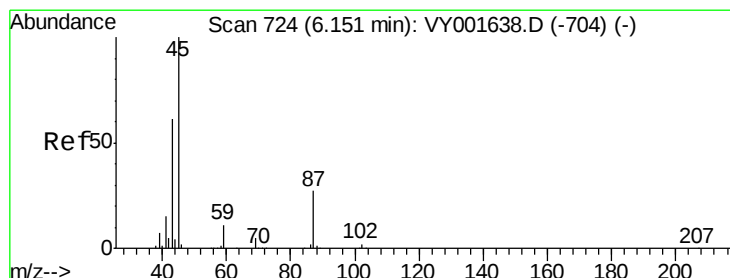
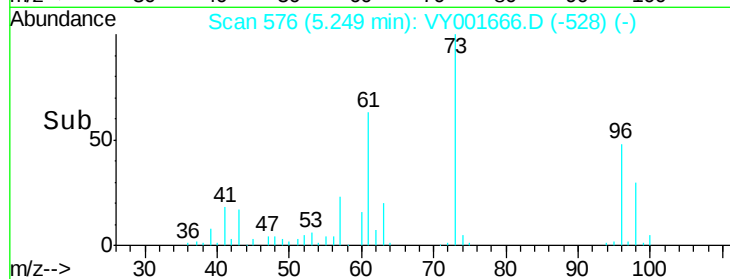
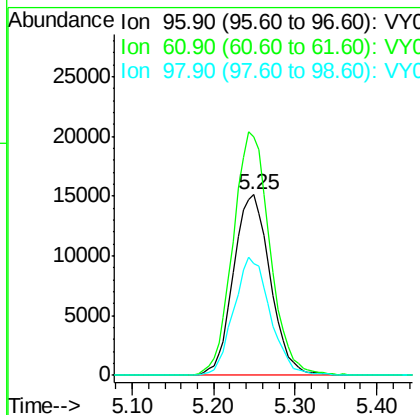
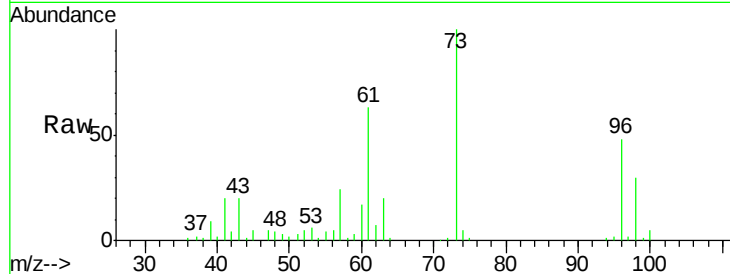
#21
trans-1,2-Dichloroethene
Concen: 21.171 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.01 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.9	107.9	161.9
98	61.7	49.8	74.8

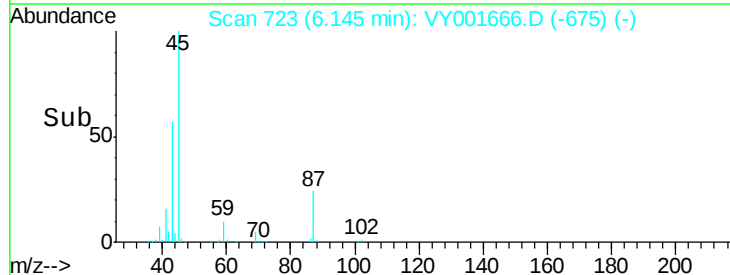
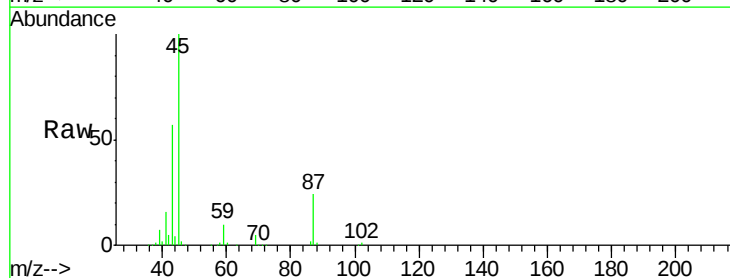
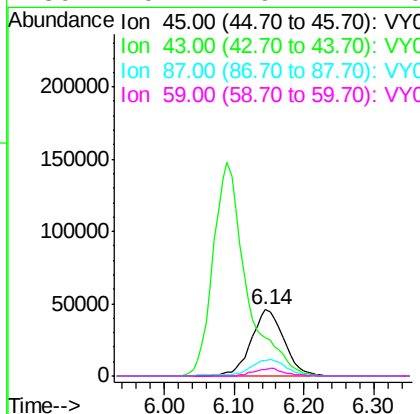
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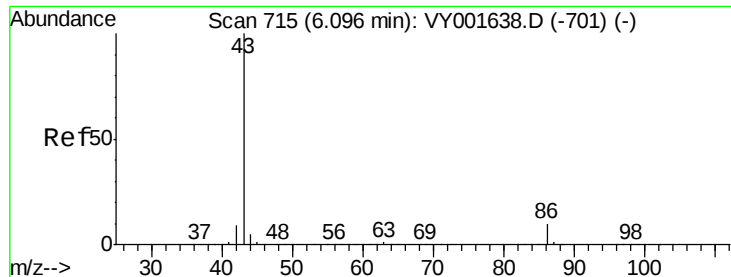
MMDadoda
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#22
Diisopropyl ether
Concen: 20.983 ug/l
RT: 6.14 min Scan# 723
Delta R.T. -0.01 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.6	46.4	69.6
87	24.0	22.1	33.1
59	9.4	9.4	14.0





#23

Vinyl Acetate

Concen: 104.204 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 43 Resp: 488023

Ion Ratio Lower Upper

43 100

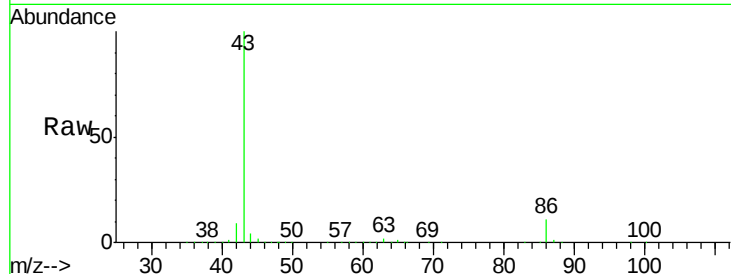
86 10.6 8.8 13.2

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.09

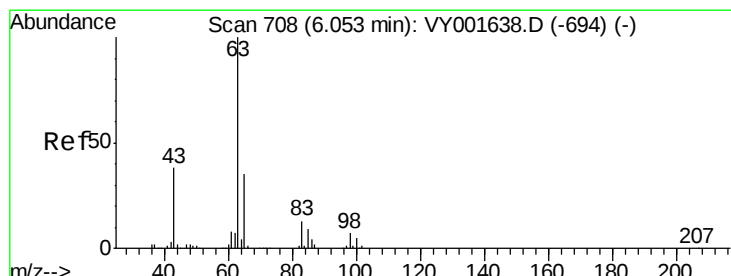
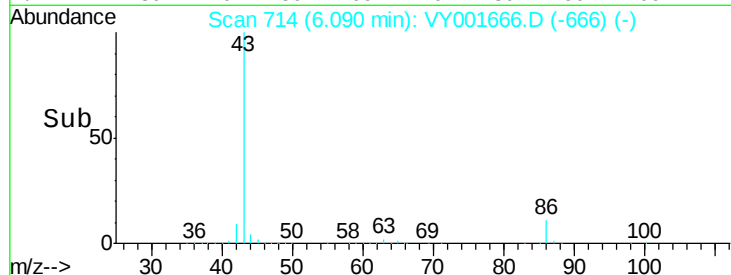
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 21.282 ug/l

RT: 6.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

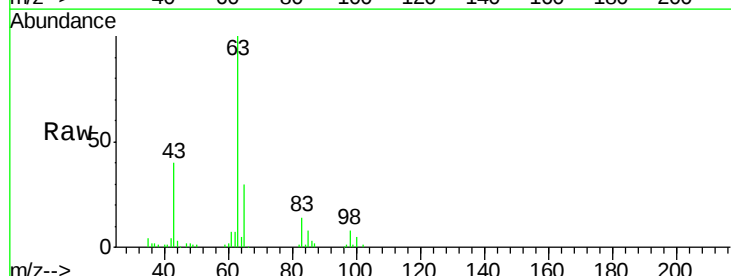
Tgt Ion: 63 Resp: 81668

Ion Ratio Lower Upper

63 100

98 7.9 3.4 10.2

100 4.6 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

6.05

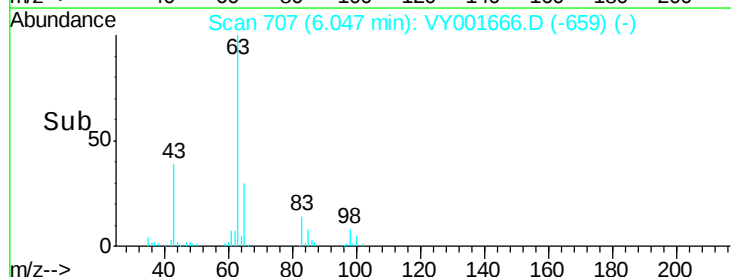
30000

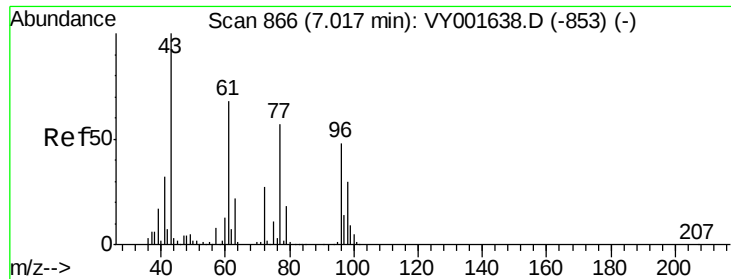
20000

10000

0

Time--> 5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 98.661 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 43 Resp: 90315

Ion Ratio Lower Upper

43 100

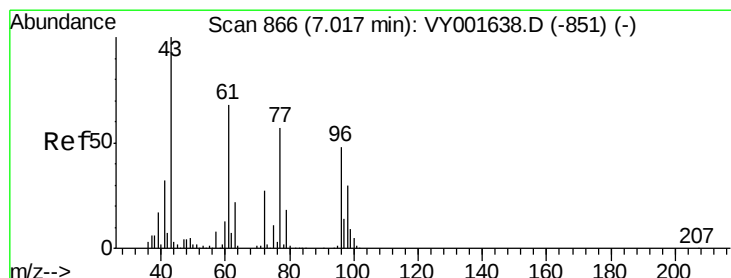
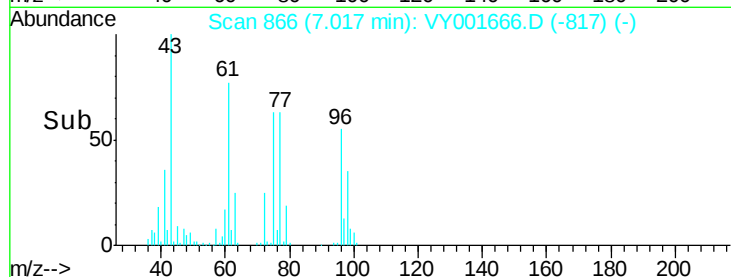
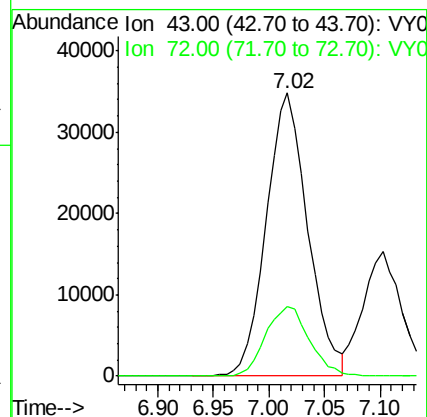
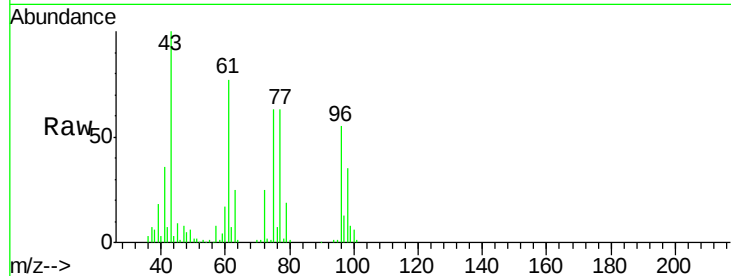
72 24.7 21.2 31.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.282 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY001666.D

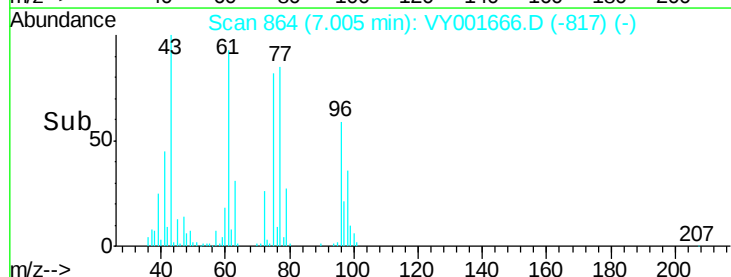
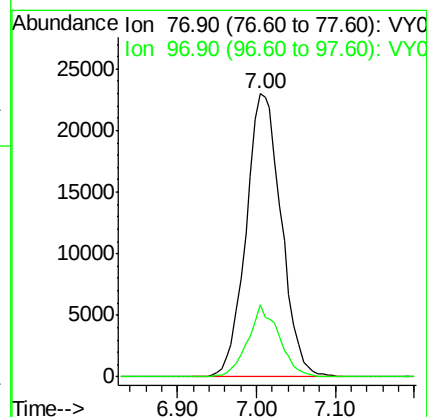
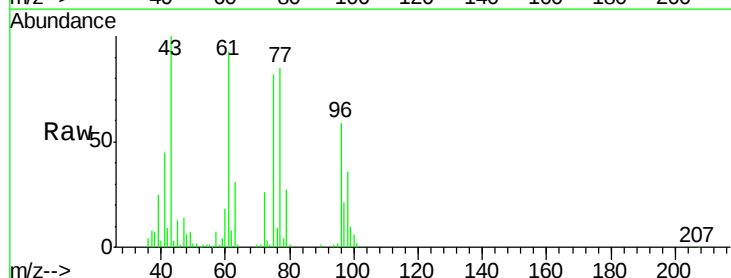
Acq: 18 Feb 2020 12:07

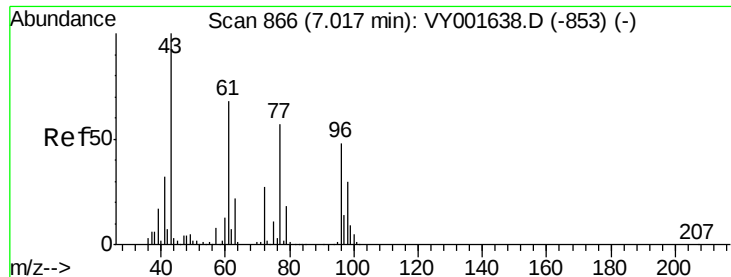
Tgt Ion: 77 Resp: 71055

Ion Ratio Lower Upper

77 100

97 22.5 11.8 35.4





#27

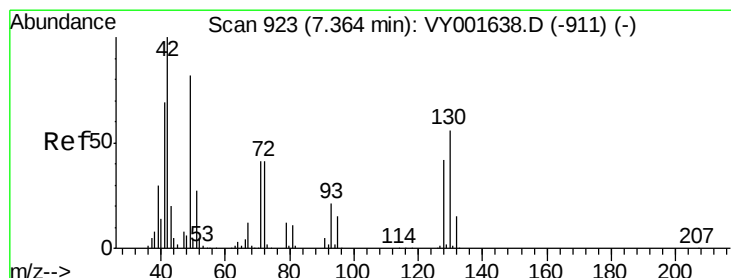
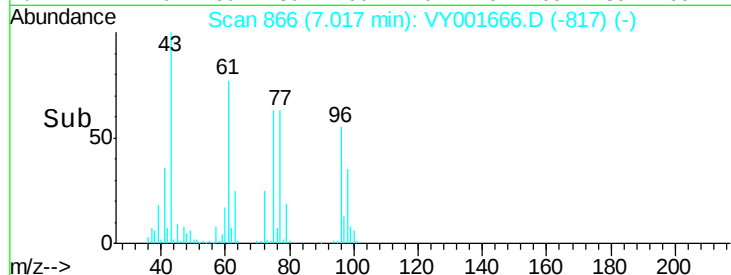
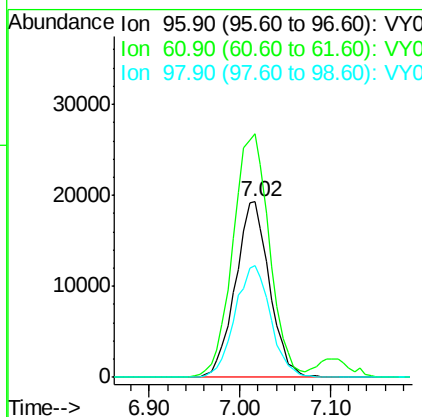
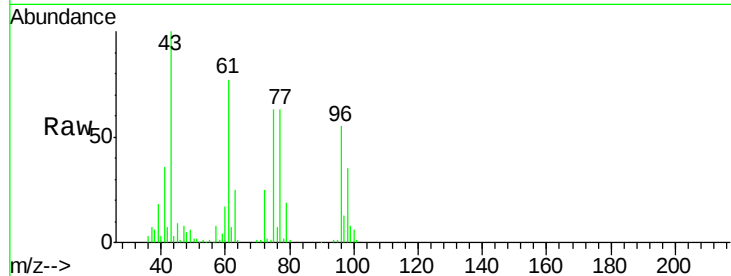
cis-1,2-Dichloroethene
Concen: 20.455 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	149.0	0.0	290.8	
98	66.3	0.0	128.6	

Manual Integrations
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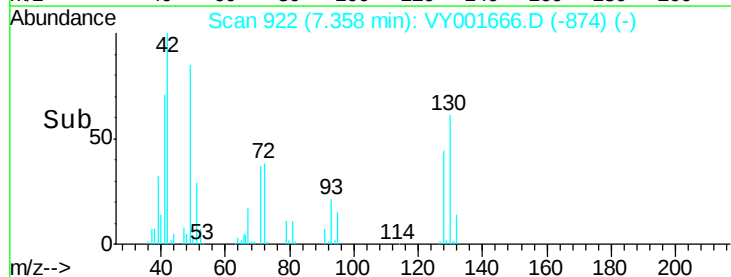
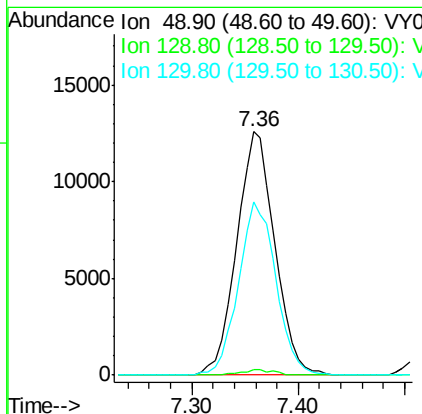
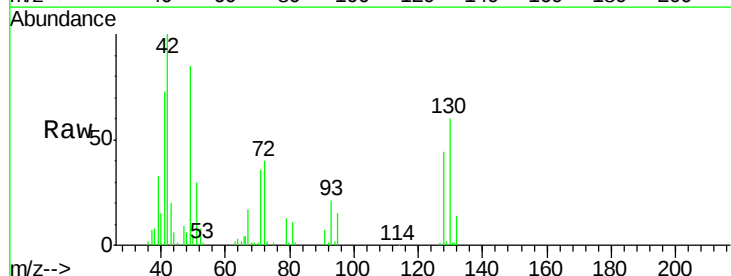
MMDadoda
2/19/2020 1:42:55 PM

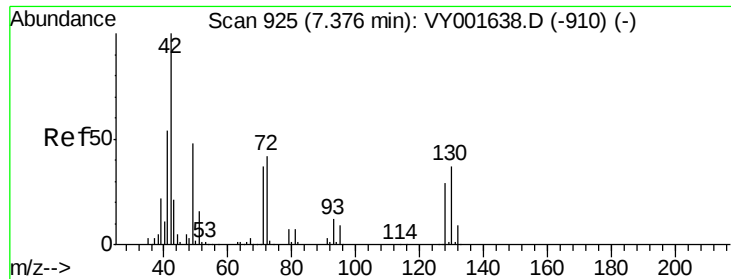


#28

Bromochloromethane
Concen: 19.722 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.6	
130	70.1	56.2	84.4	





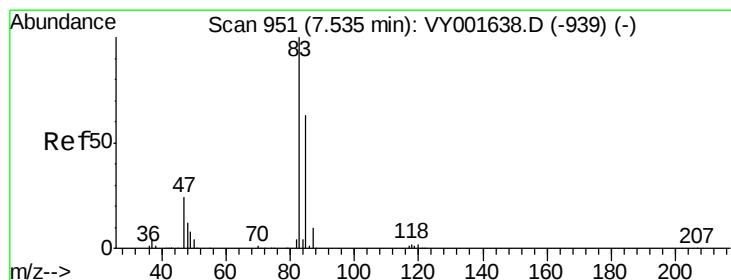
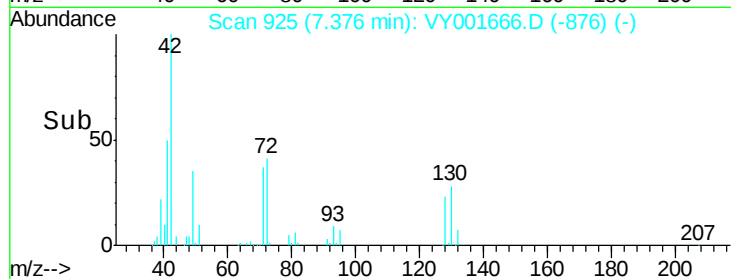
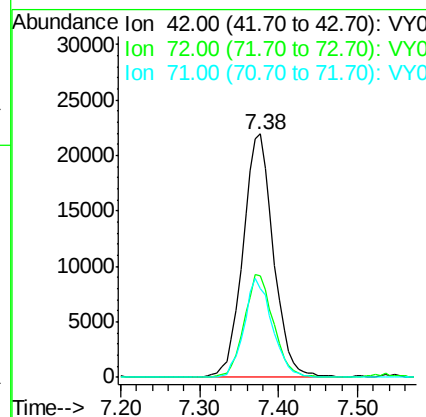
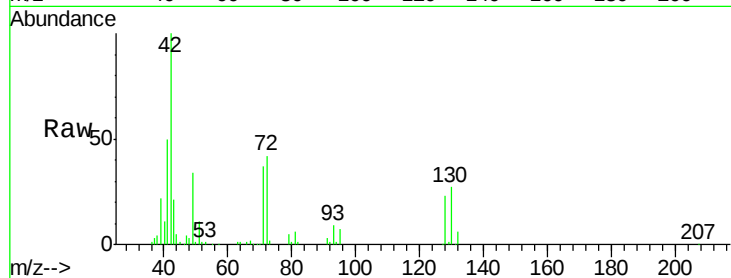
#29
Tetrahydrofuran
Concen: 106.338 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	34.4	51.6
71	37.5	31.8	47.8

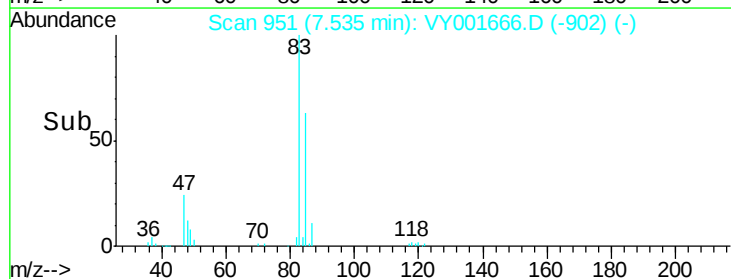
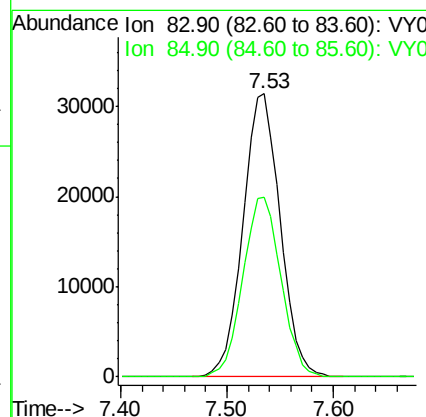
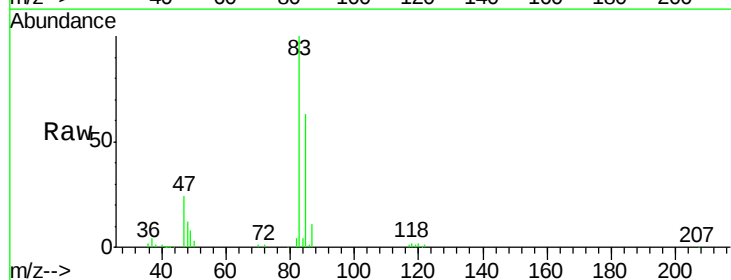
Manual Integrations
APPROVED

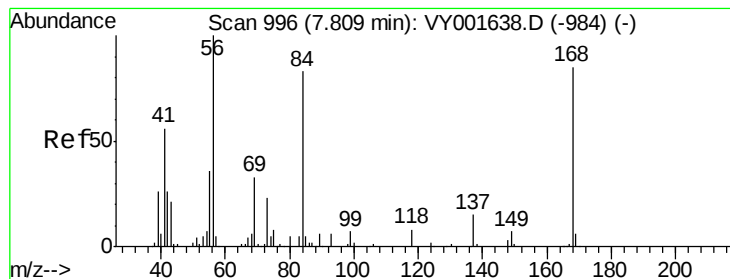
MMDadoda
2/19/2020 1:42:55 PM



#30
Chloroform
Concen: 20.572 ug/l
RT: 7.53 min Scan# 951
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.6	77.4





#31

Cyclohexane

Concen: 20.420 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

Instrument :

MSVOA_Y

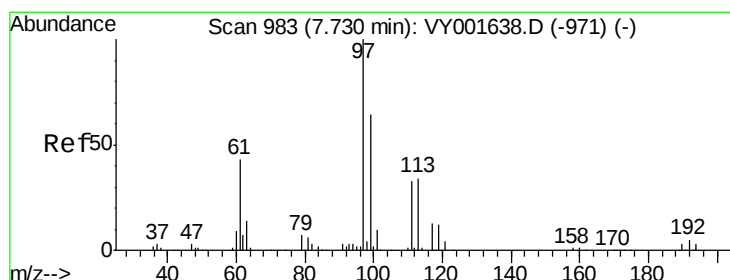
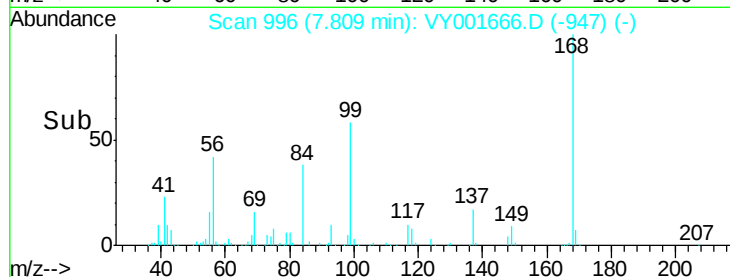
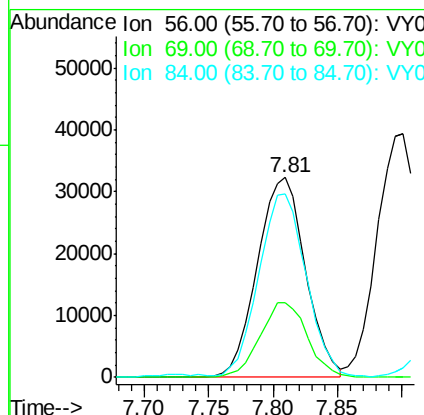
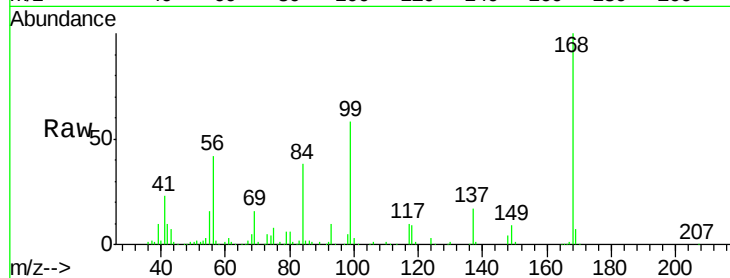
ClientSampleId :

VY0218SBS01

Tot Ion:	56	Resp:	83550
Ion Ratio	Lower	Upper	
56	100		
69	37.6	25.1	37.7
84	91.0	66.9	100.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.696 ug/l

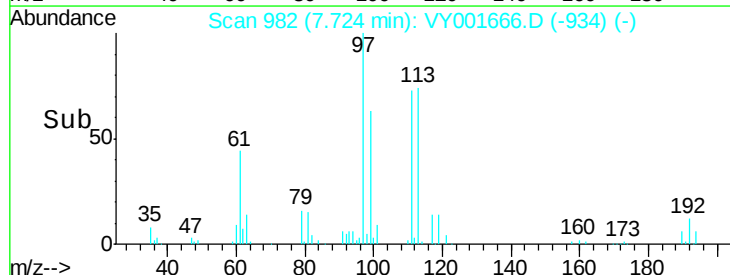
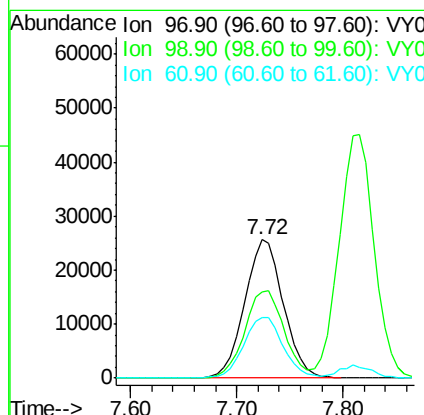
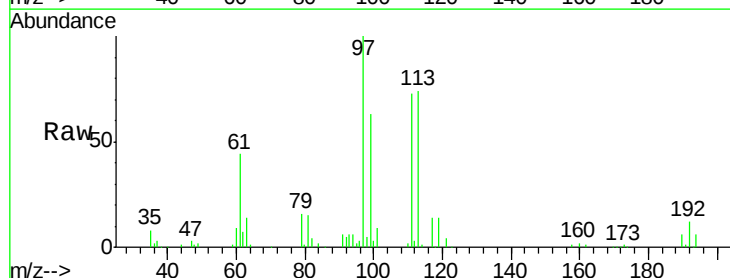
RT: 7.72 min Scan# 982

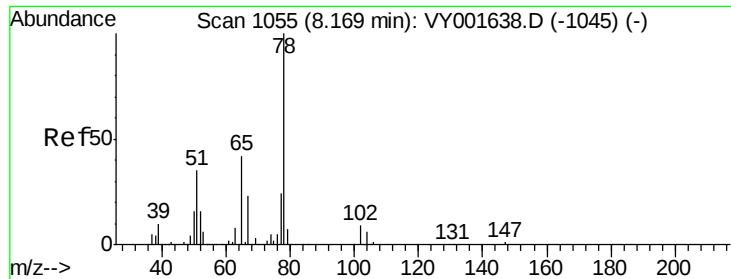
Delta R.T. -0.01 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

Tgt Ion:	97	Resp:	65222
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.2	76.8
61	45.0	35.0	52.6





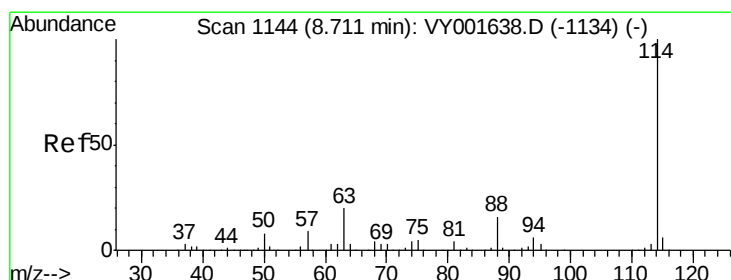
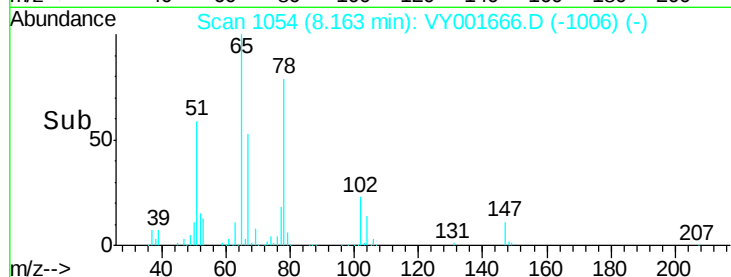
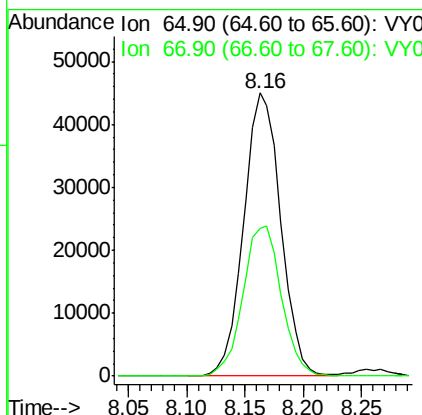
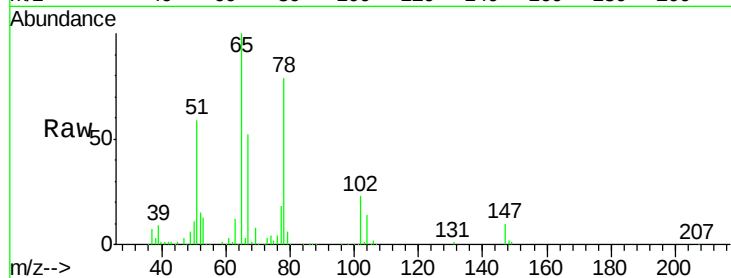
#33
 1,2-Dichloroethane-d4
 Concen: 51.071 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001666.D
 Acq: 18 Feb 2020 12:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.2	0.0	111.0	

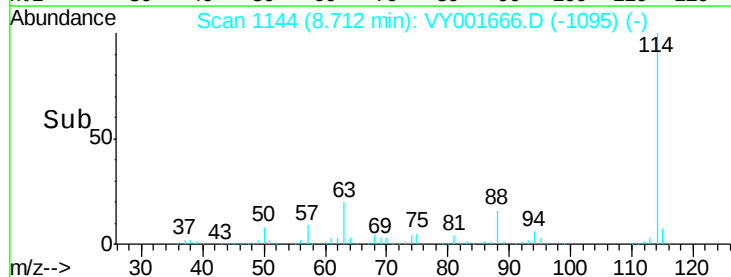
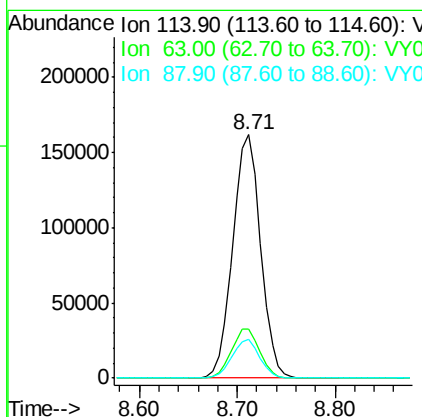
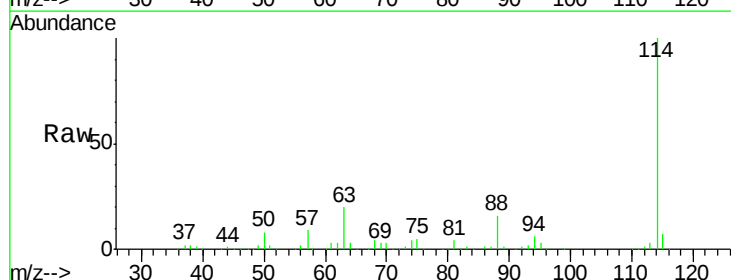
Manual Integrations
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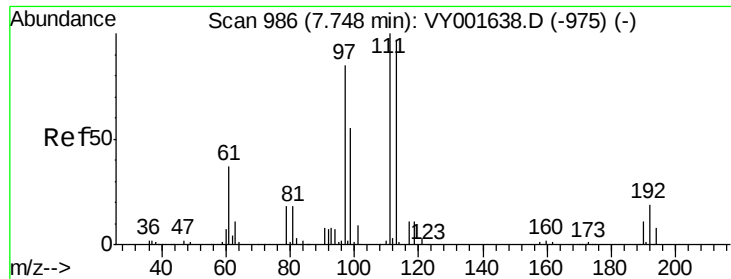
MMDadoda
 2/19/2020 1:42:55 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001666.D
 Acq: 18 Feb 2020 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.2	0.0	41.4	
88	15.7	0.0	32.8	





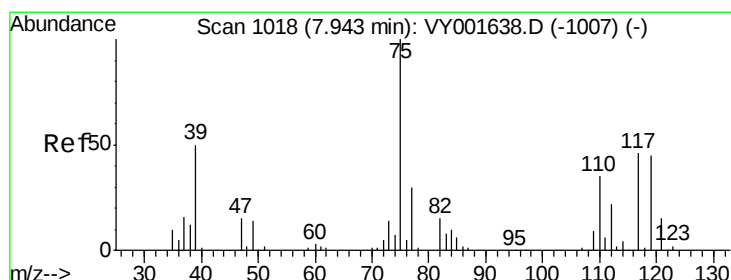
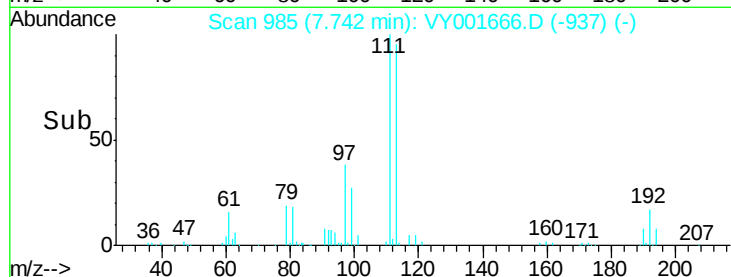
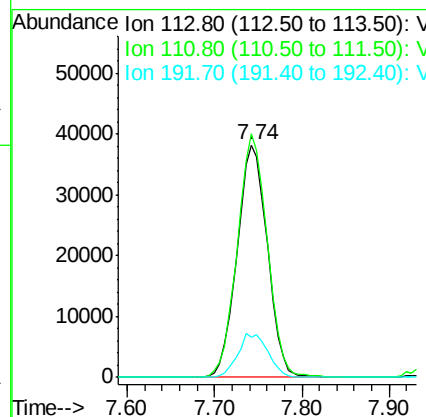
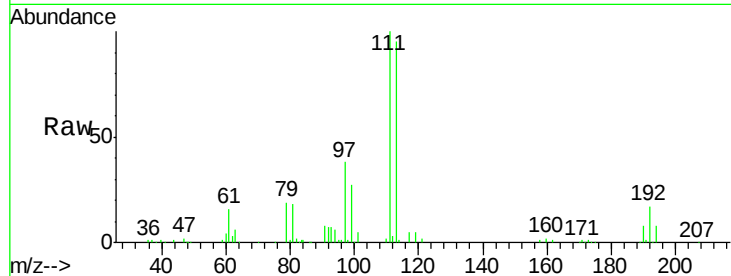
#35
Dibromofluoromethane
Concen: 50.154 ug/l
RT: 7.74 min Scan# 985
Delta R.T. -0.01 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.9	122.9
192	18.9	14.3	21.5

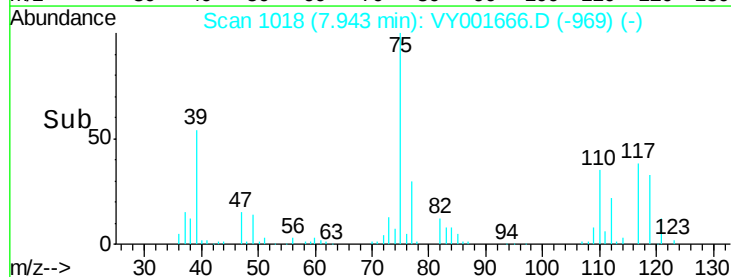
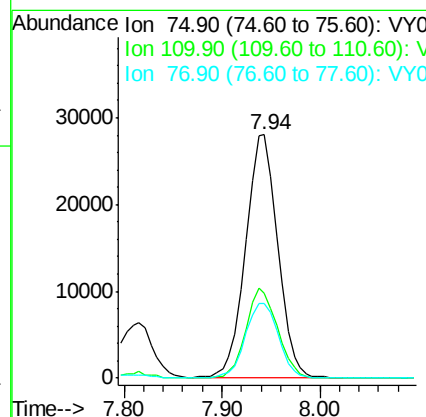
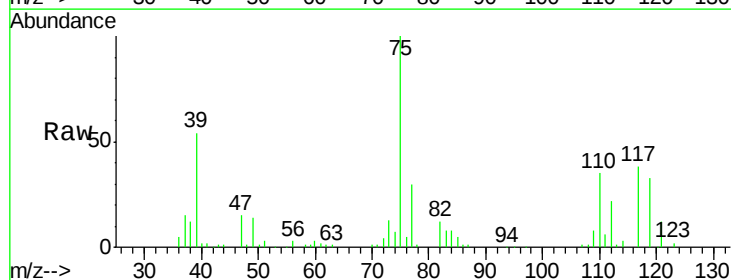
Manual Integrations
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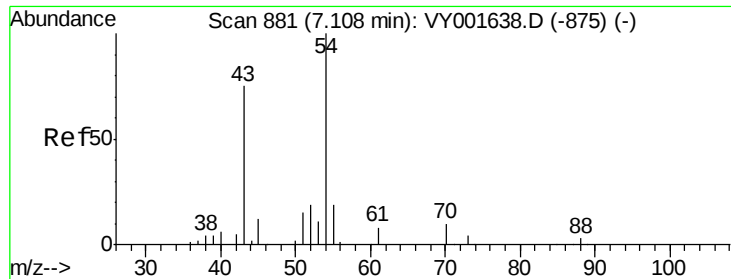
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2/19/2020 1:42:55 PM



#36
1,1-Dichloropropene
Concen: 21.012 ug/l
RT: 7.94 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	17.2	51.6
77	31.7	24.8	37.2





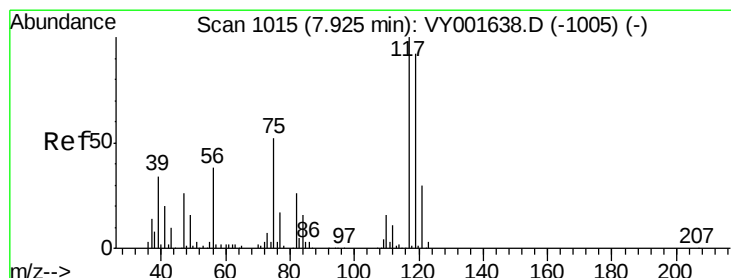
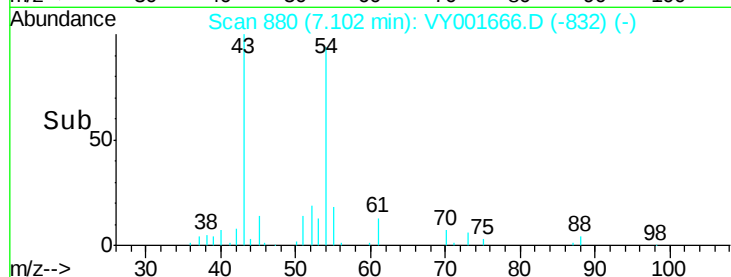
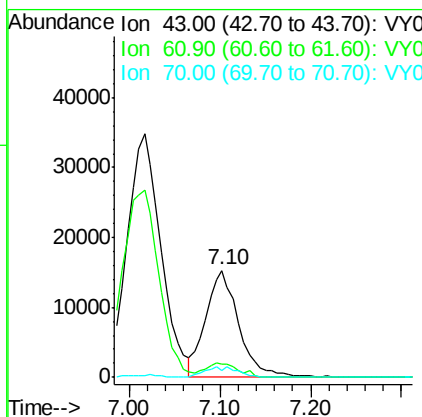
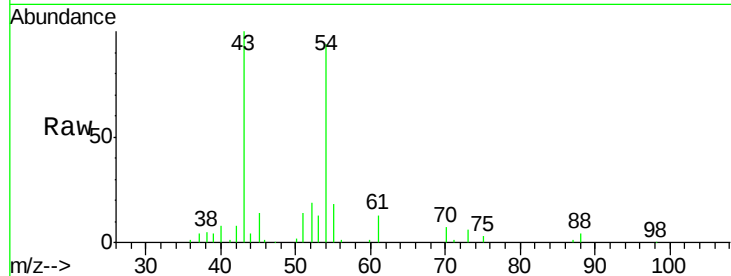
#37
Ethyl Acetate
Concen: 21.423 ug/l
RT: 7.10 min Scan# 880
Delta R.T. -0.01 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.6
70	10.2	8.8	13.2

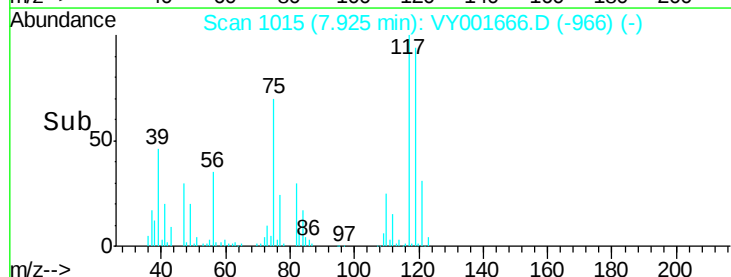
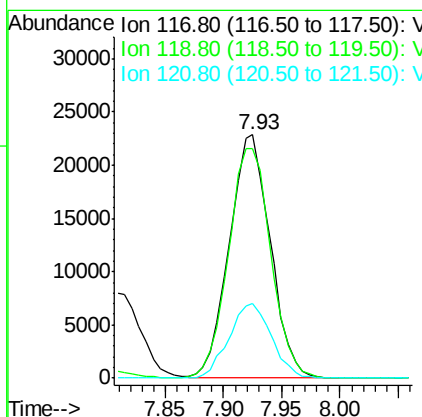
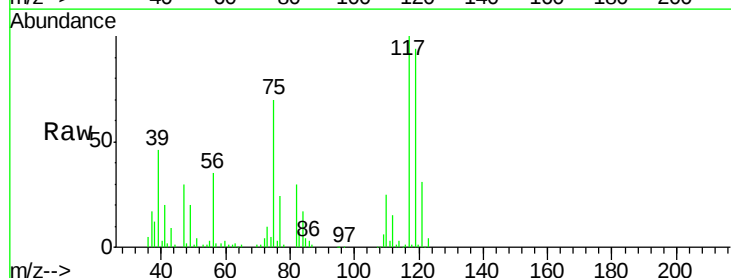
Manual Integrations
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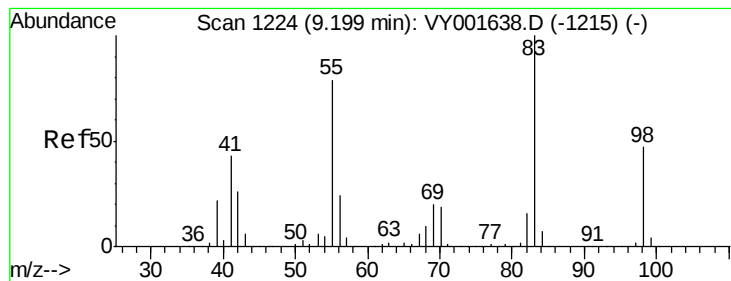
MMDadoda
2/19/2020 1:42:55 PM



#38
Carbon Tetrachloride
Concen: 20.914 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	74.8	112.2
121	30.9	23.8	35.6





#39

Methvlcvclohexane

Concen: 21.413 ug/l

RT: 9.20 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

Instrument :

MSVOA_Y

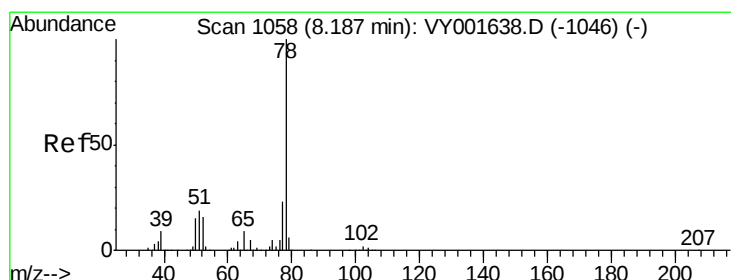
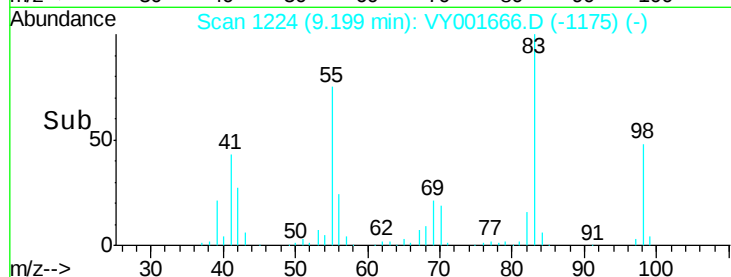
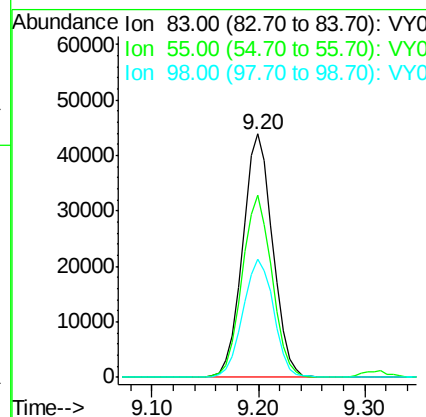
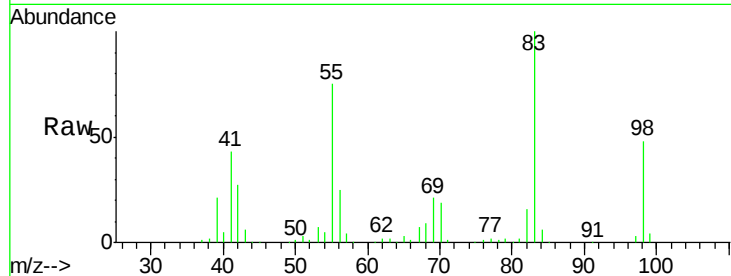
ClientSampleId :

VY0218SBS01

Tot Ion:	83	Resp:	86700
Ion	Ratio	Lower	Upper
83	100		
55	74.7	61.3	91.9
98	48.5	38.0	57.0

Manual Integrations
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#40

Benzene

Concen: 21.389 ug/l

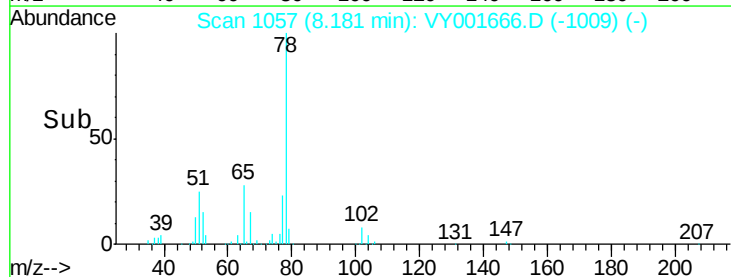
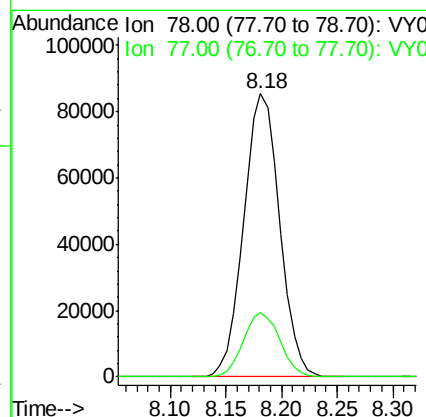
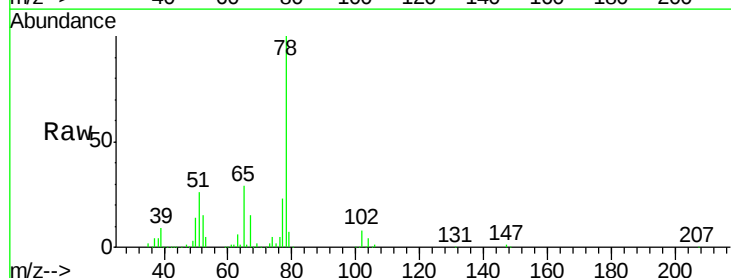
RT: 8.18 min Scan# 1057

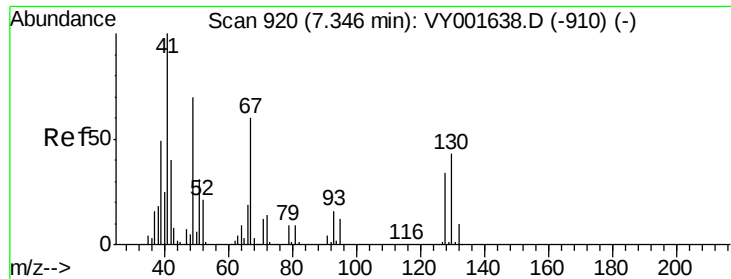
Delta R.T. -0.01 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

Tgt Ion:	78	Resp:	191988
Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.2	27.4





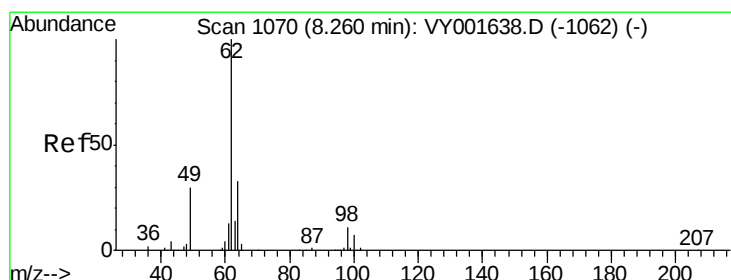
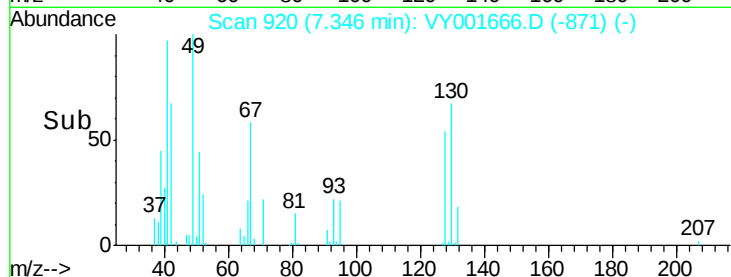
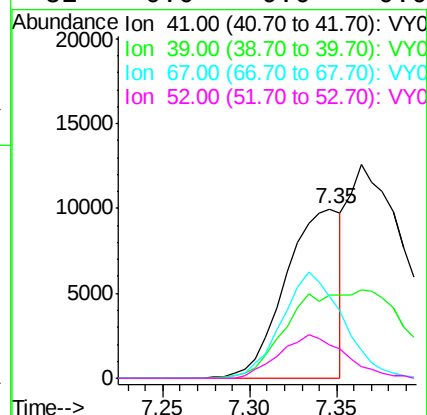
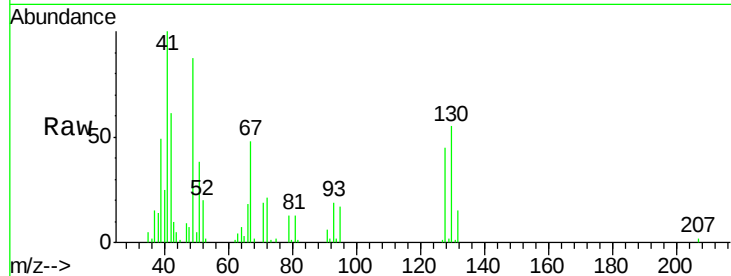
#41
Methacrylonitrile
Concen: 24.583 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	105.3	36.0	54.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

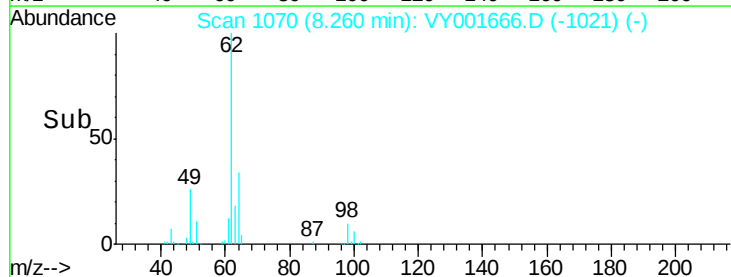
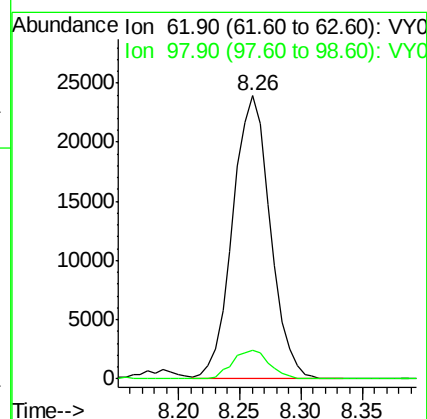
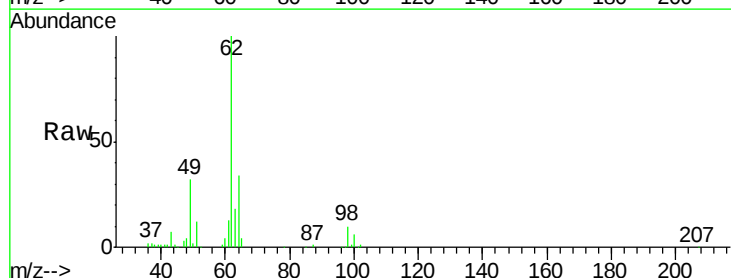
Manual Integrations
APPROVED

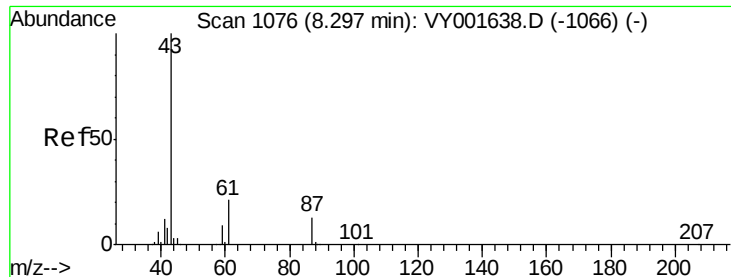
MMDadoda
2/19/2020 1:42:55 PM



#42
1,2-Dichloroethane
Concen: 20.848 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.8





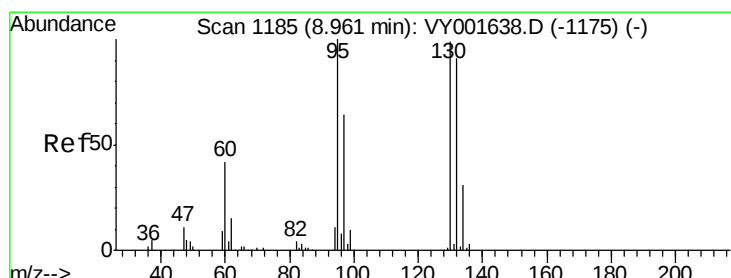
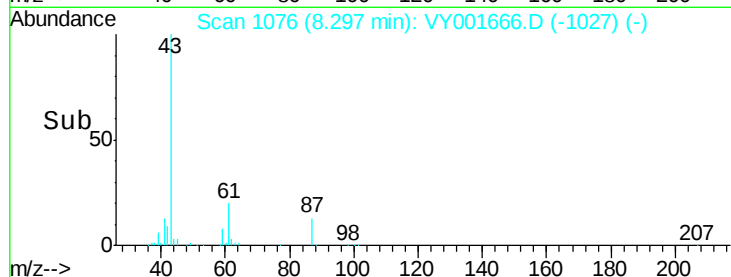
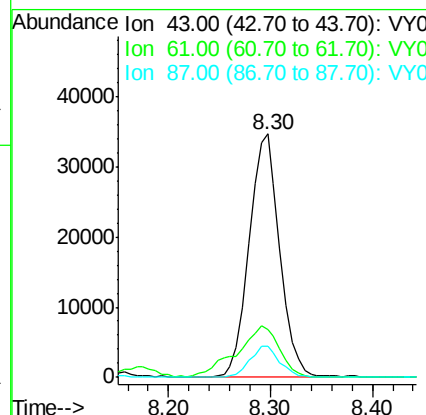
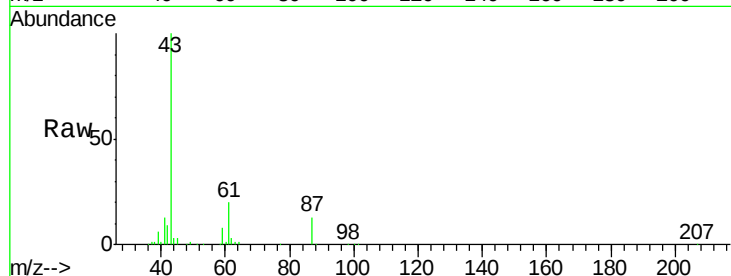
#43
Isopropyl Acetate
Concen: 20.896 ug/l
RT: 8.30 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.0	34.4
87	12.8	10.7	16.1

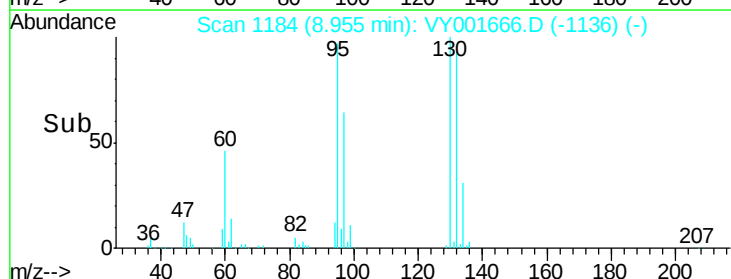
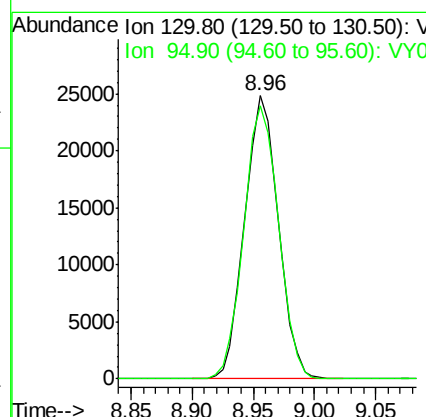
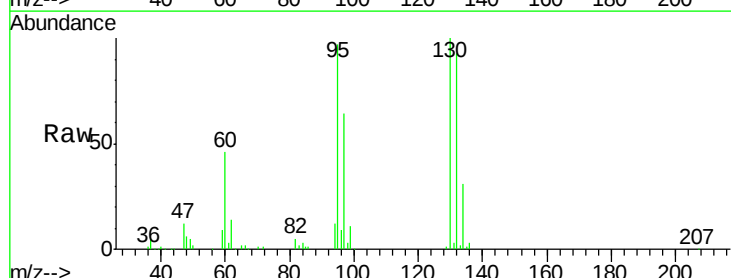
Manual Integrations
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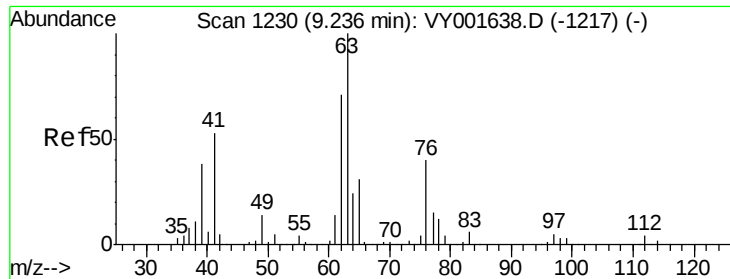
MMDadoda
2/19/2020 1:42:55 PM



#44
Trichloroethene
Concen: 21.274 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	200.6





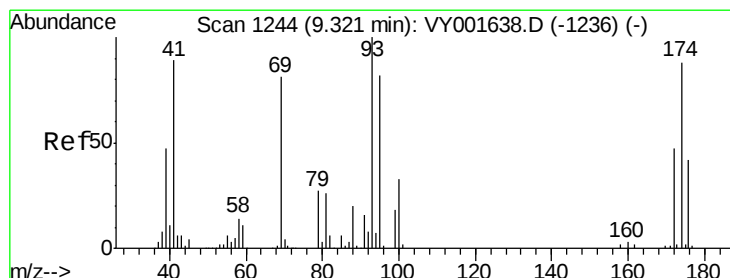
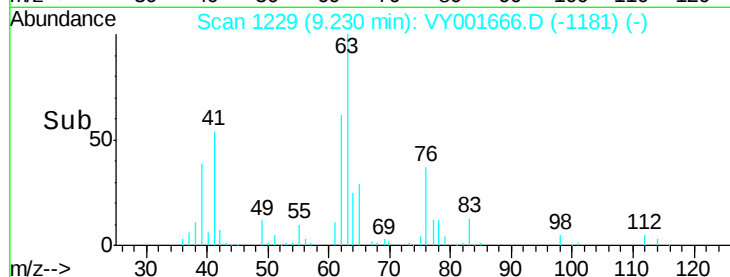
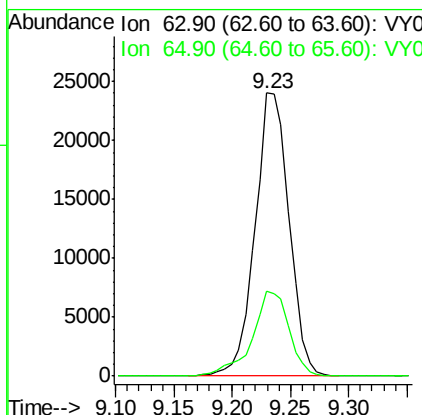
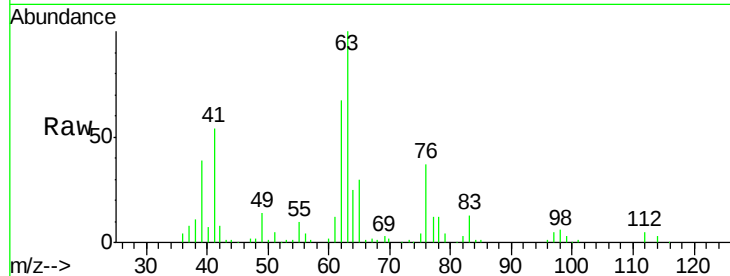
#45
 1,2-Dichloropropane
 Concen: 21.612 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY001666.D
 Acq: 18 Feb 2020 12:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion: 63 Resp: 48582
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.6 37.0

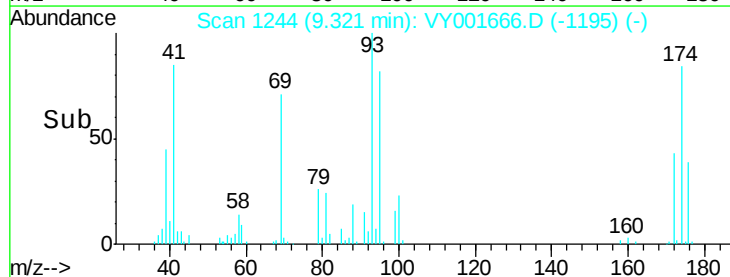
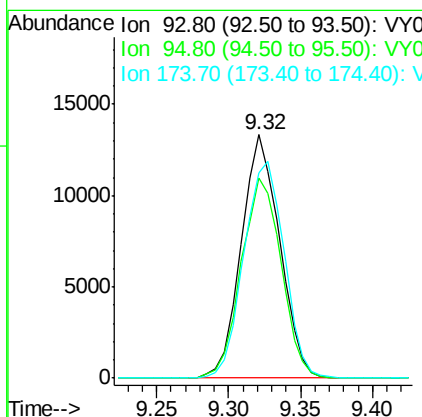
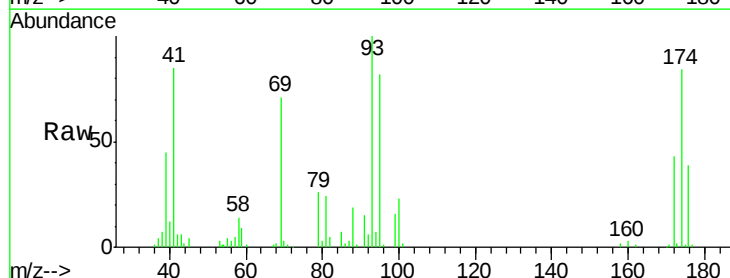
Manual Integrations
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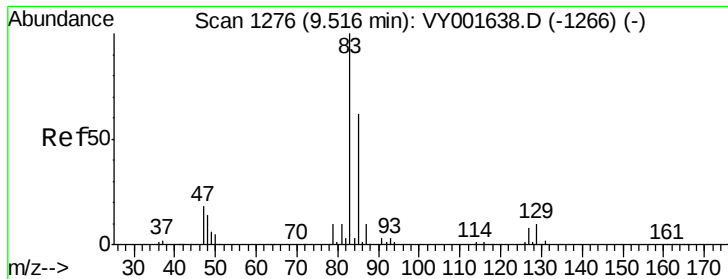
MMDadoda
 2/19/2020 1:42:55 PM



#46
 Dibromomethane
 Concen: 20.899 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY001666.D
 Acq: 18 Feb 2020 12:07

Tgt Ion: 93 Resp: 24572
 Ion Ratio Lower Upper
 93 100
 95 85.3 66.1 99.1
 174 93.4 72.5 108.7





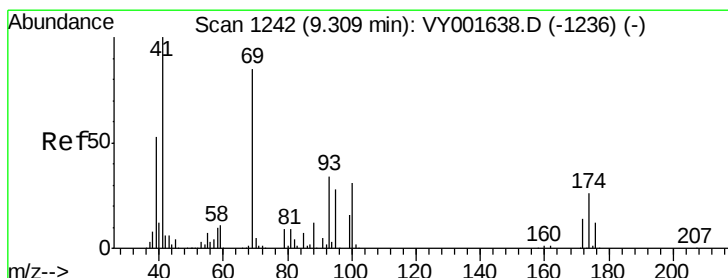
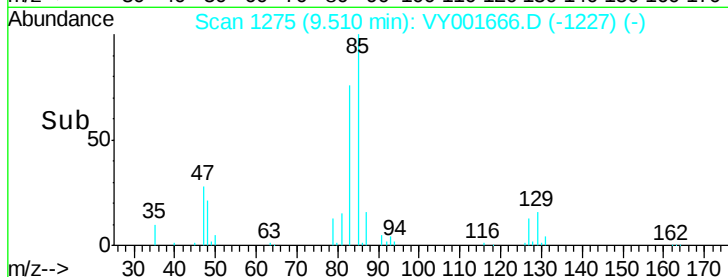
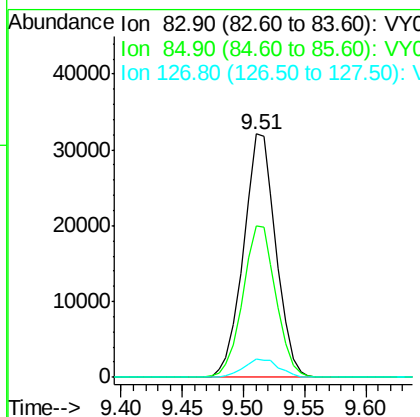
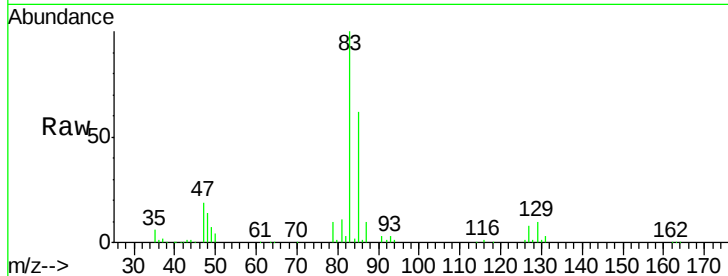
#47
Bromodichloromethane
Concen: 20.802 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	83	Resp	59027
Ion Ratio	100	Lower	Upper
83	100		
85	62.1	51.4	77.0
127	7.8	6.4	9.6

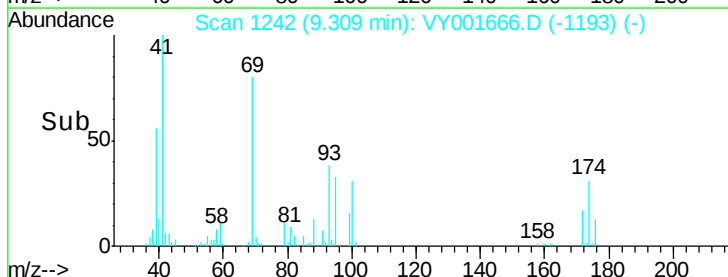
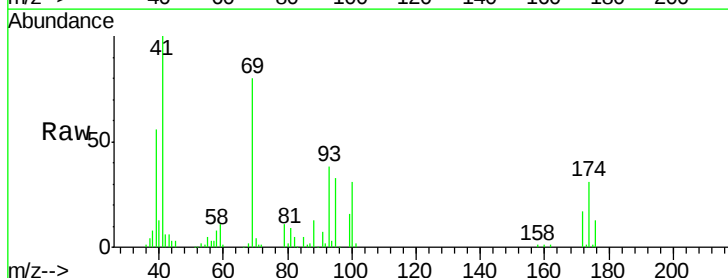
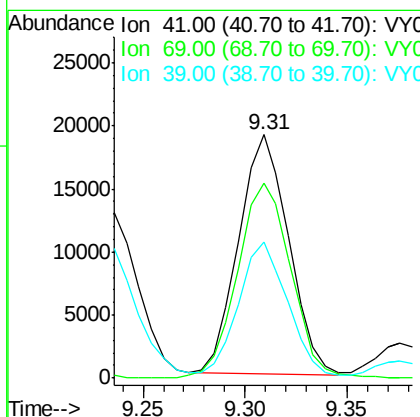
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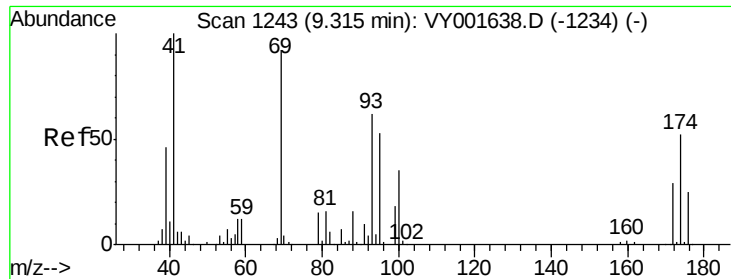
MMDadoda
2/19/2020 1:42:55 PM



#48
Methyl methacrylate
Concen: 20.631 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Tgt Ion	41	Resp	32247
Ion Ratio	100	Lower	Upper
41	100		
69	87.4	70.7	106.1
39	57.0	42.2	63.2





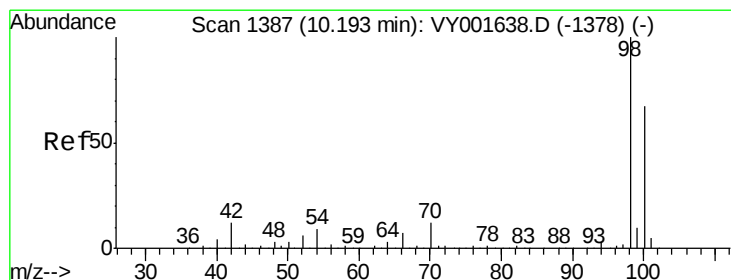
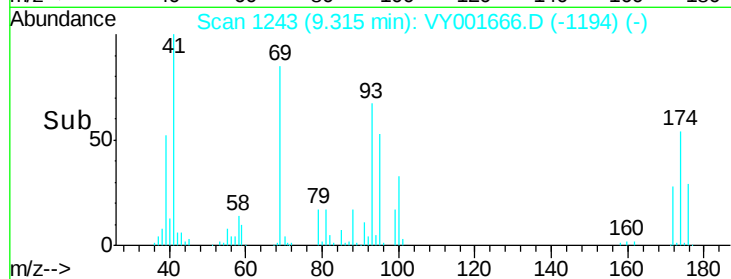
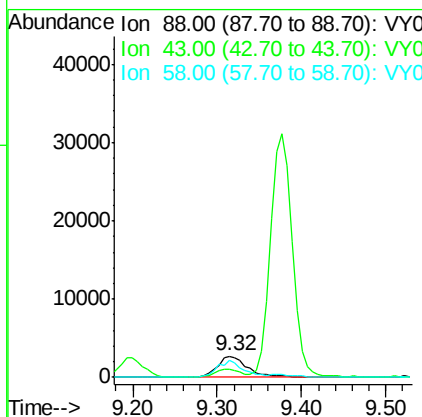
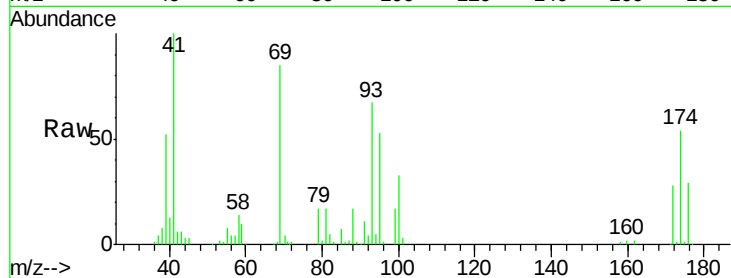
#49
1,4-Dioxane
Concen: 415.147 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.2	23.1	34.7
58	68.2	58.1	87.1

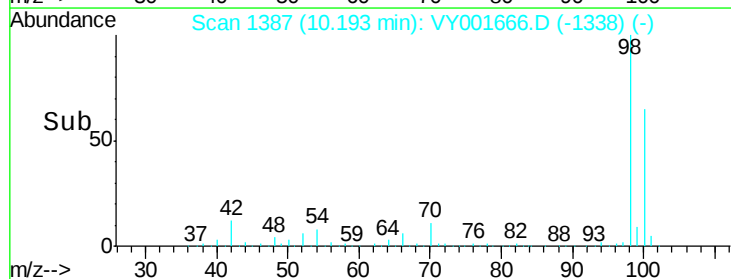
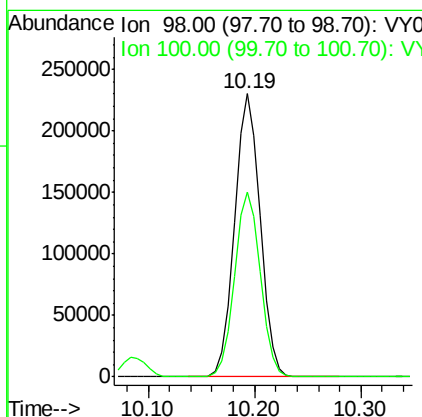
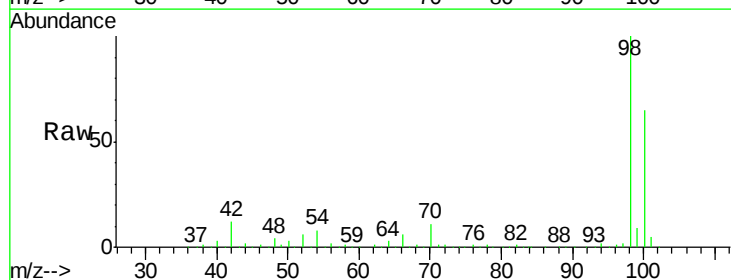
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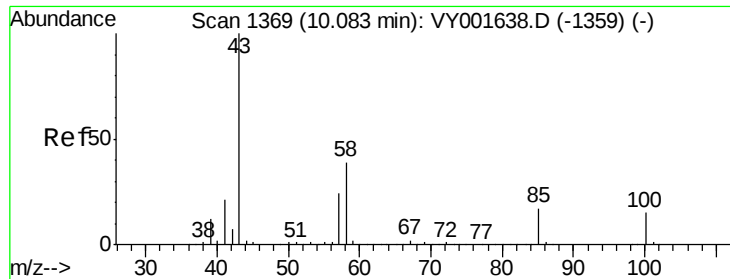
MMDadoda
2/19/2020 1:42:55 PM



#50
Toluene-d8
Concen: 54.124 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 105.662 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 43 Resp: 187627

Ion Ratio Lower Upper

43 100

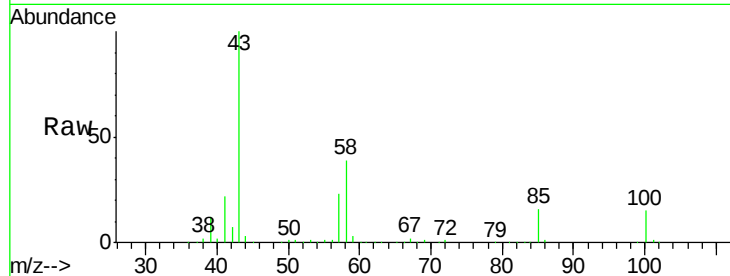
58 39.1 32.2 48.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.08

120000

100000

80000

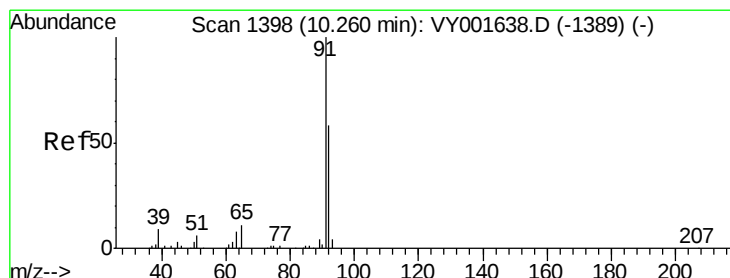
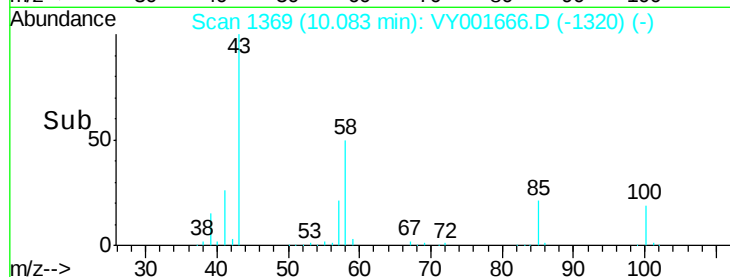
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 21.484 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VY001666.D

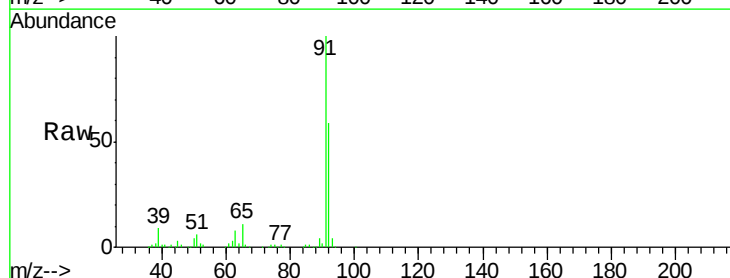
Acq: 18 Feb 2020 12:07

Tgt Ion: 92 Resp: 120285

Ion Ratio Lower Upper

92 100

91 168.8 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

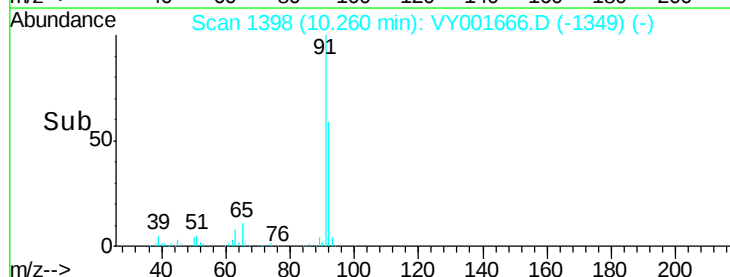
10.26

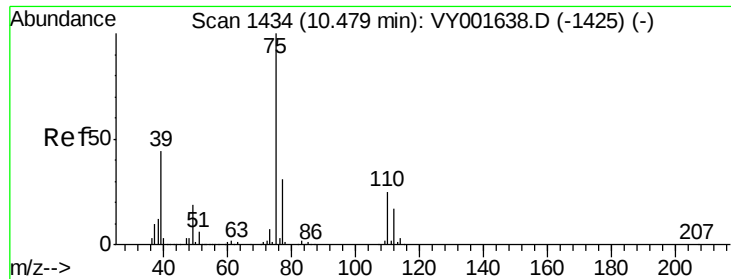
100000

50000

0

Time-->





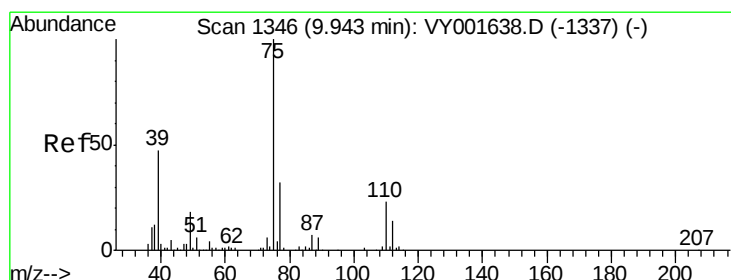
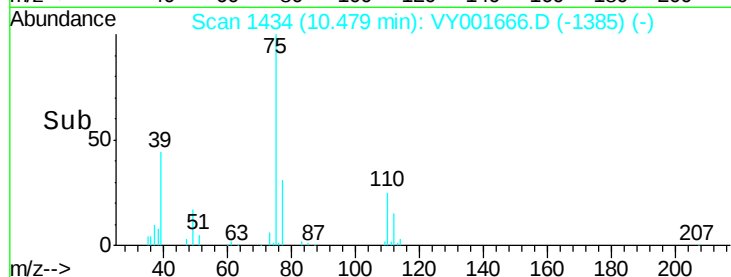
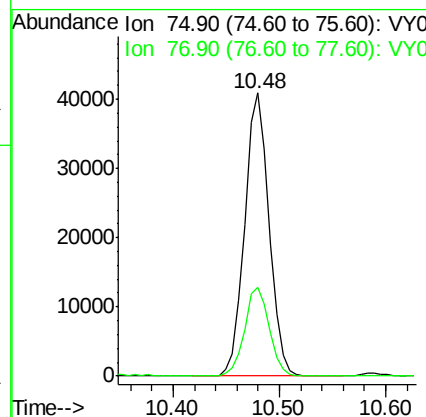
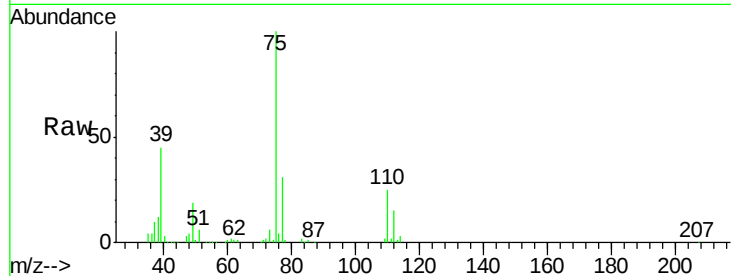
#53
 t-1,3-Dichloropropene
 Concen: 21.034 ug/l
 RT: 10.48 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VY001666.D
 Acq: 18 Feb 2020 12:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion: 75 Resp: 65984
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.2 37.8

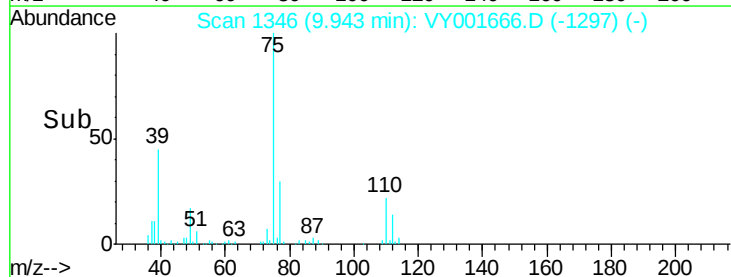
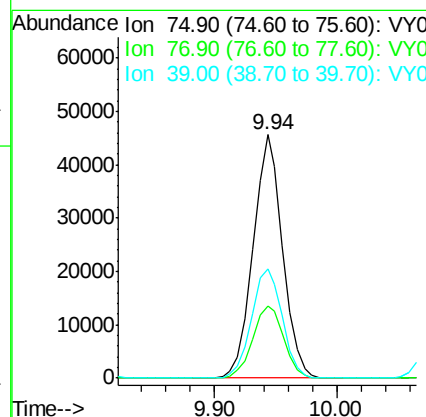
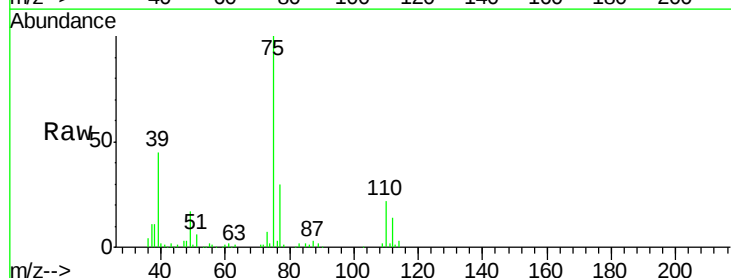
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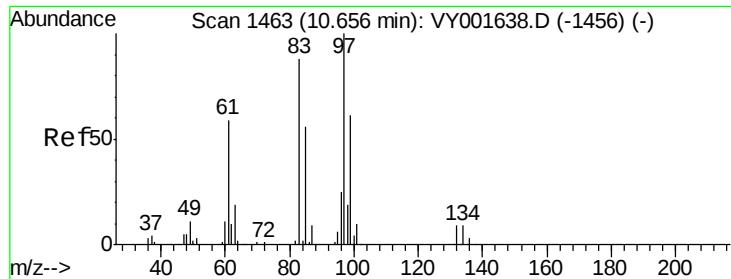
MMDadoda
 2/19/2020 1:42:55 PM



#54
 cis-1,3-Dichloropropene
 Concen: 21.100 ug/l
 RT: 9.94 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VY001666.D
 Acq: 18 Feb 2020 12:07

Tgt Ion: 75 Resp: 76182
 Ion Ratio Lower Upper
 75 100
 77 29.6 25.7 38.5
 39 44.9 35.7 53.5





#55

1,1,2-Trichloroethane

Concen: 21.072 ug/l

RT: 10.66 min Scan# 1463

Delta R.T. 0.00 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 97 Resp: 36532

Ion Ratio Lower Upper

97 100

83 82.8 69.7 104.5

85 53.8 44.5 66.7

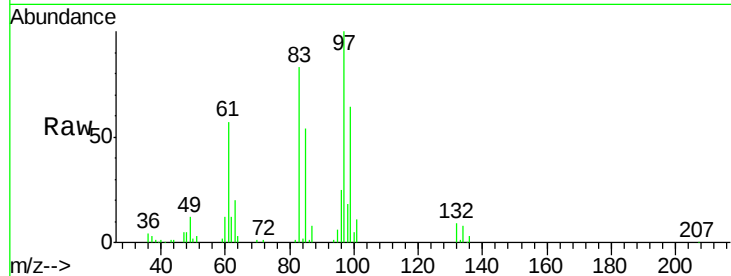
99 63.7 49.6 74.4

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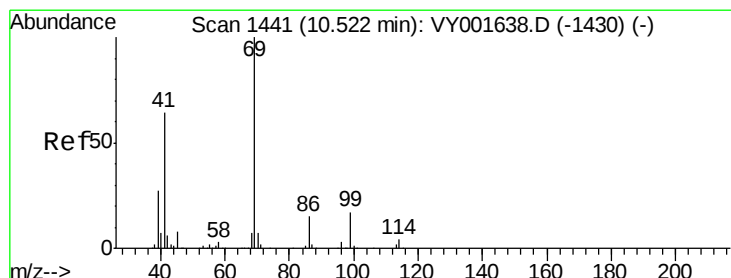
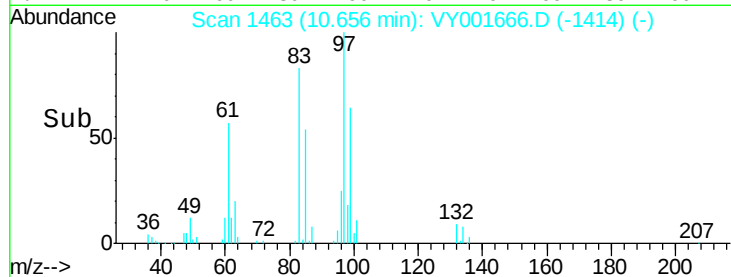
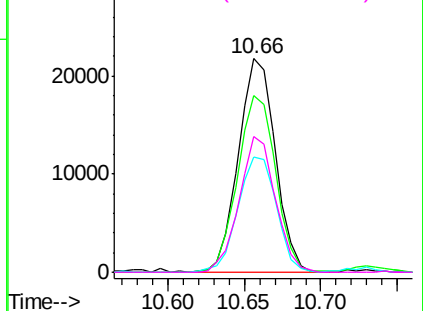


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 20.528 ug/l

RT: 10.52 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

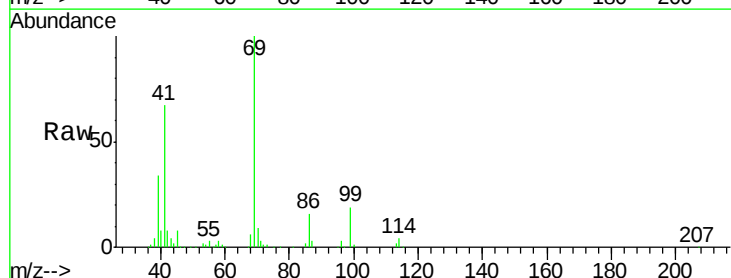
Tgt Ion: 69 Resp: 53389

Ion Ratio Lower Upper

69 100

41 68.5 51.0 76.4

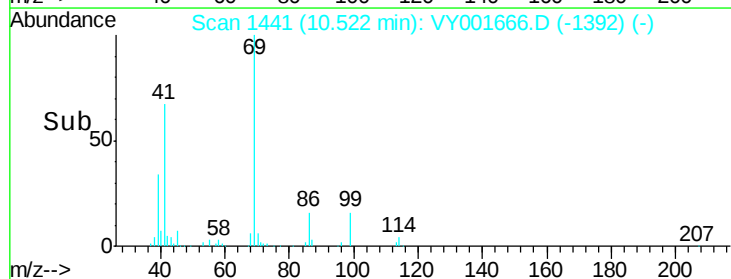
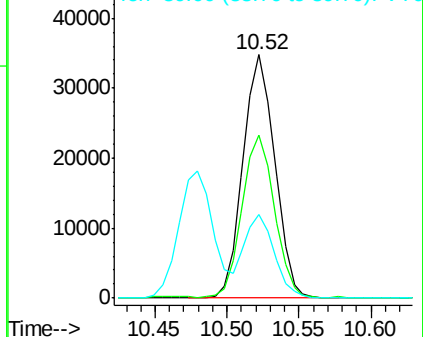
39 32.1 24.7 37.1

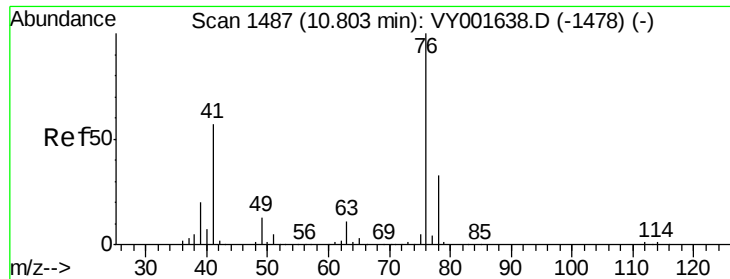


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





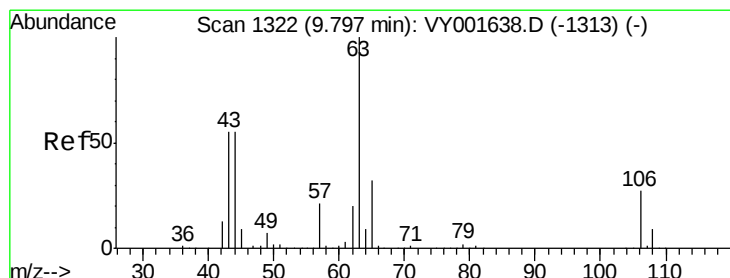
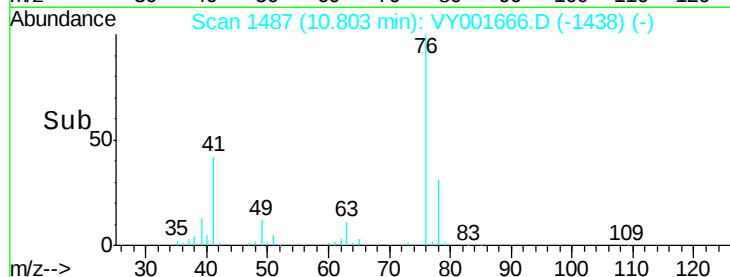
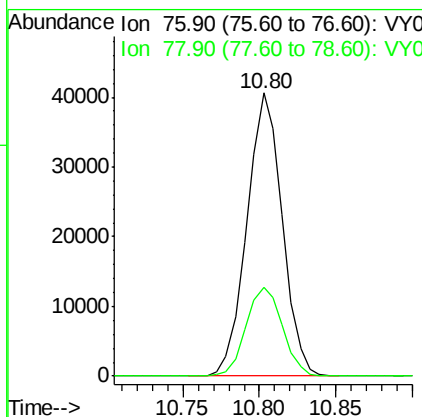
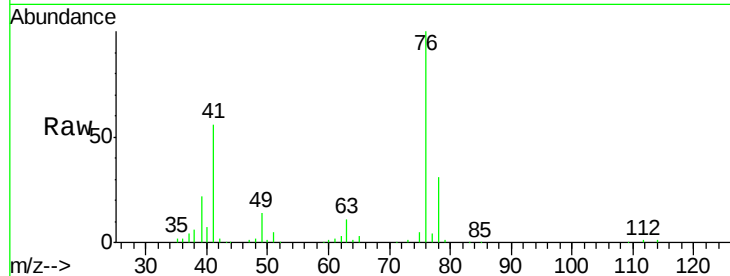
#57
 1,3-Dichloropropane
 Concen: 21.123 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY001666.D
 Acq: 18 Feb 2020 12:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion: 76 Resp: 65069
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5

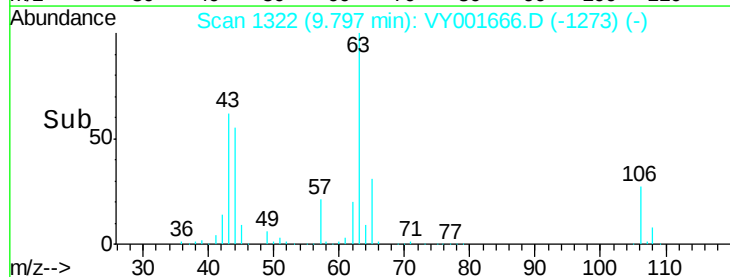
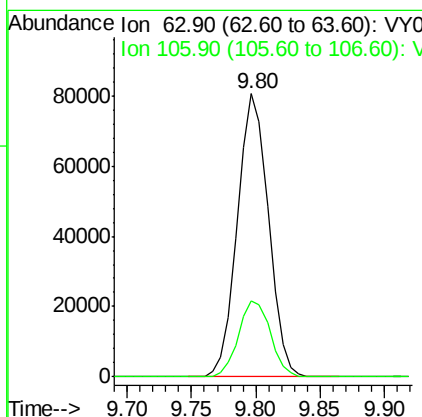
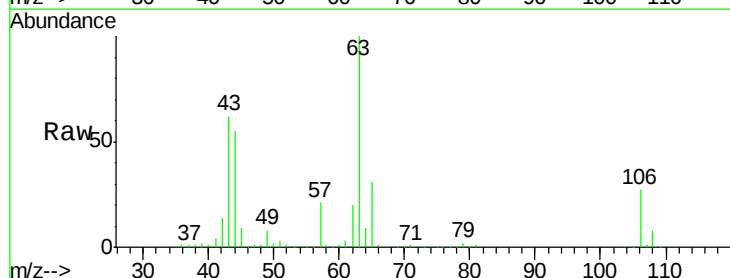
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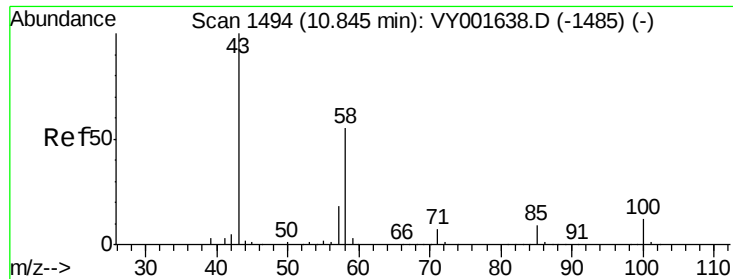
MMDadoda
 2/19/2020 1:42:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 128.415 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001666.D
 Acq: 18 Feb 2020 12:07

Tgt Ion: 63 Resp: 134699
 Ion Ratio Lower Upper
 63 100
 106 27.5 21.6 32.4





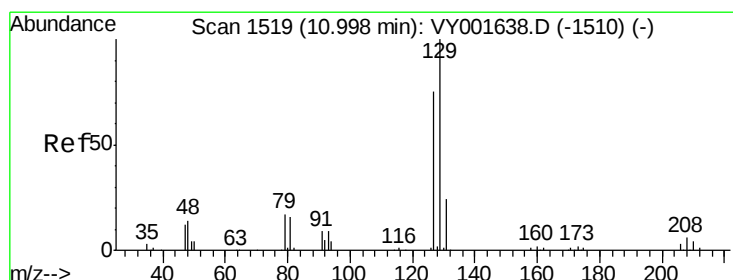
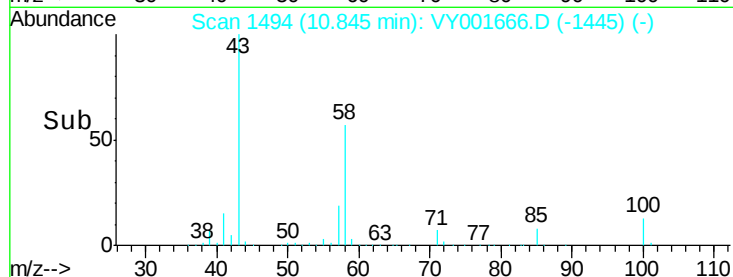
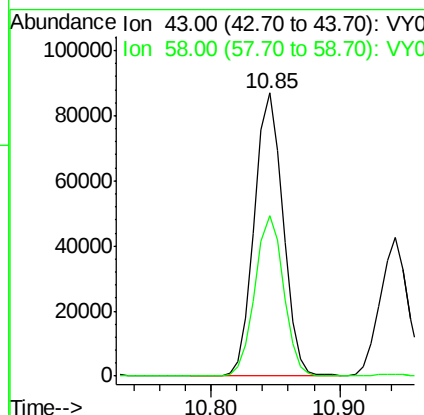
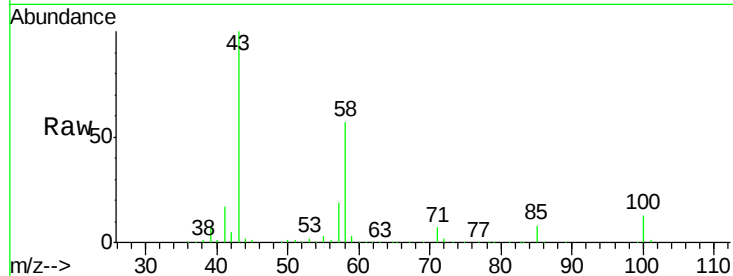
#59
2-Hexanone
Concen: 100.618 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion: 43 Resp: 134059
Ion Ratio Lower Upper
43 100
58 56.4 28.4 85.2

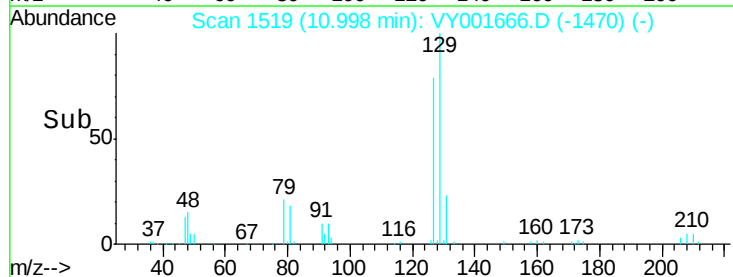
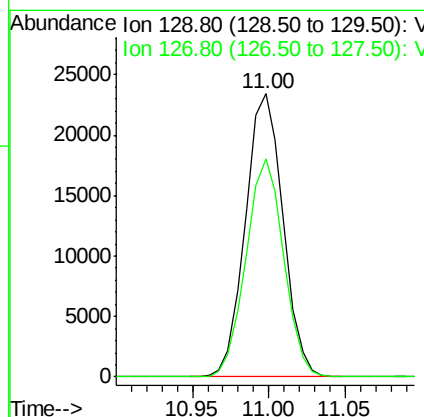
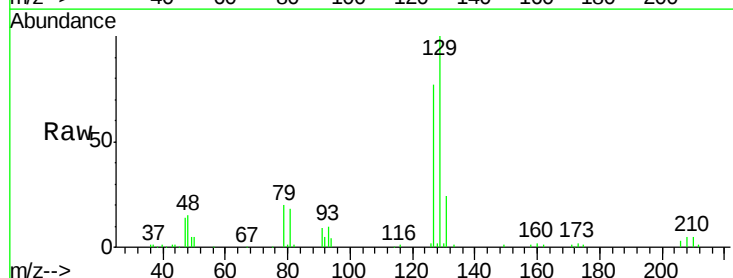
Manual Integrations
APPROVED

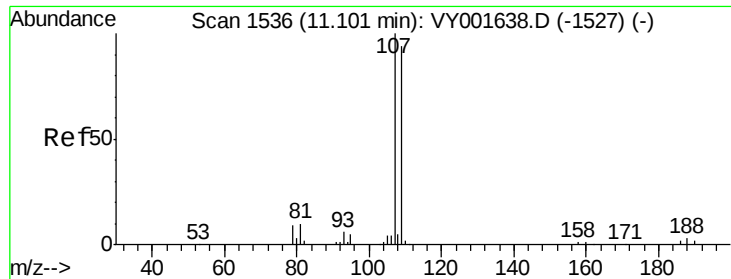
MMDadoda
2/19/2020 1:42:55 PM



#60
Dibromochloromethane
Concen: 20.926 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Tgt Ion:129 Resp: 39998
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.6





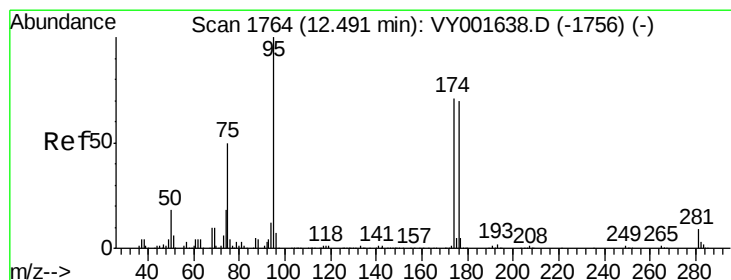
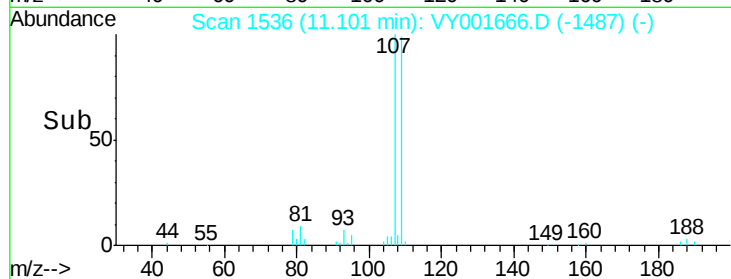
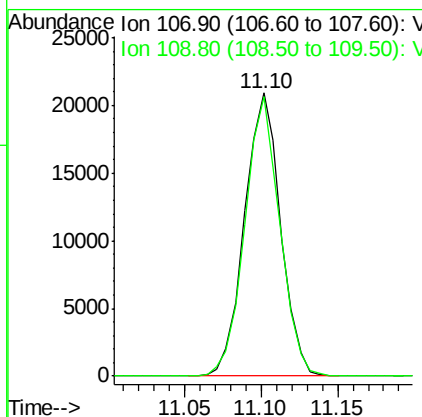
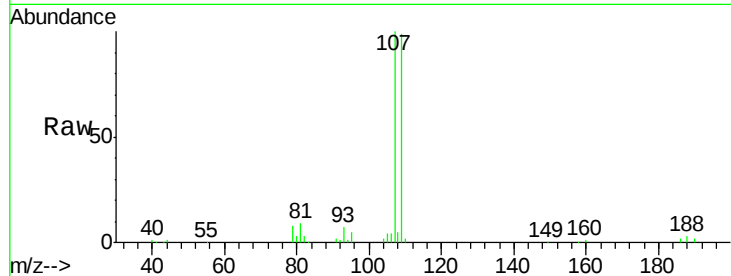
#61
 1,2-Dibromoethane
 Concen: 20.829 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY001666.D
 Acq: 18 Feb 2020 12:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	74.2	111.4

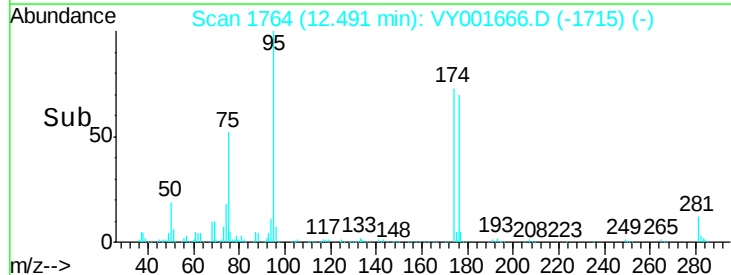
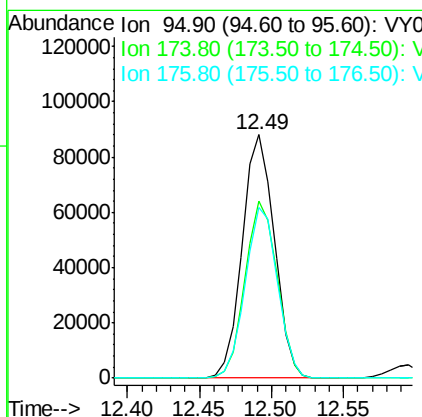
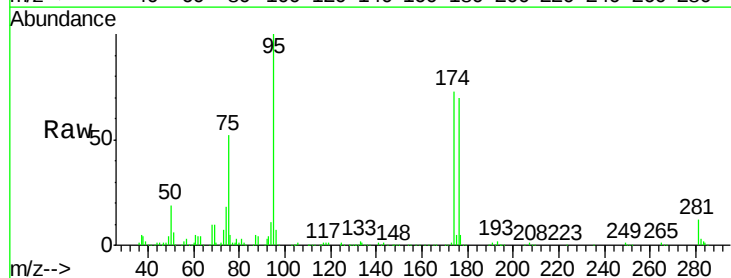
Manual Integrations
 APPROVED

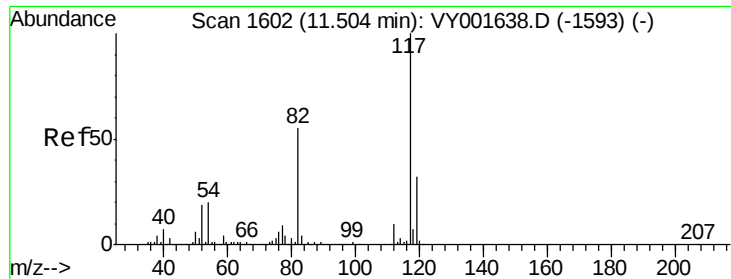
MMDadoda
 2/19/2020 1:42:55 PM



#62
 4-Bromofluorobenzene
 Concen: 48.689 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY001666.D
 Acq: 18 Feb 2020 12:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	138.4
176	70.7	0.0	131.8





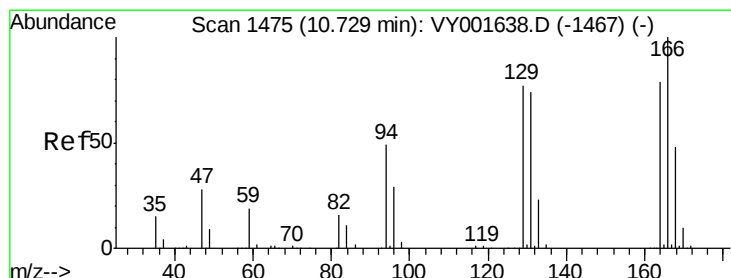
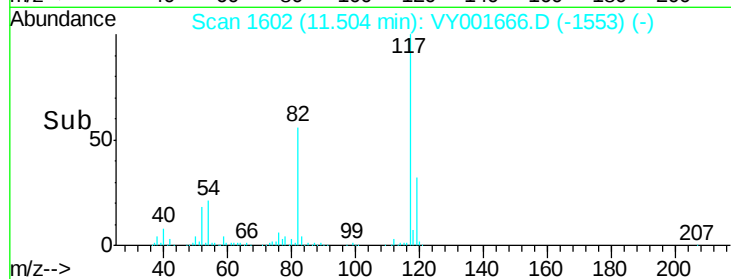
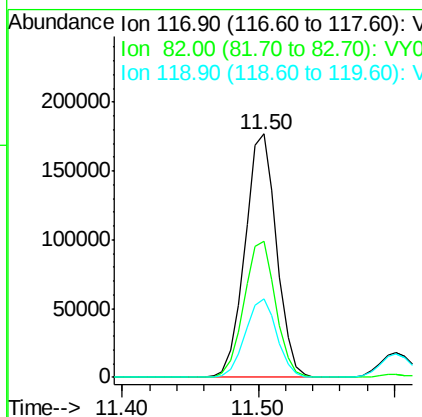
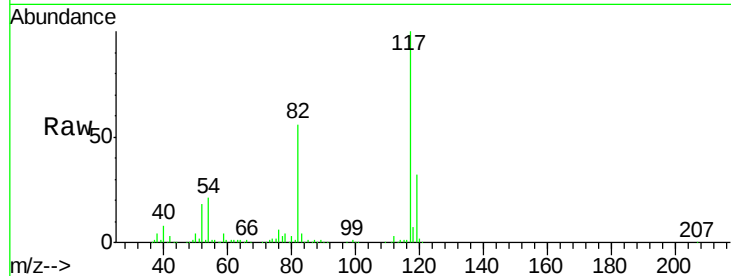
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	286186		
82	55.9	45.5	68.3	
119	32.4	25.8	38.6	

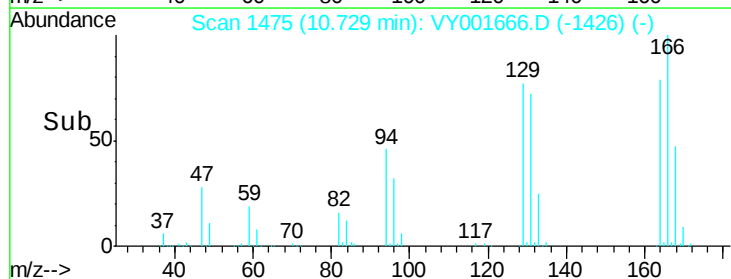
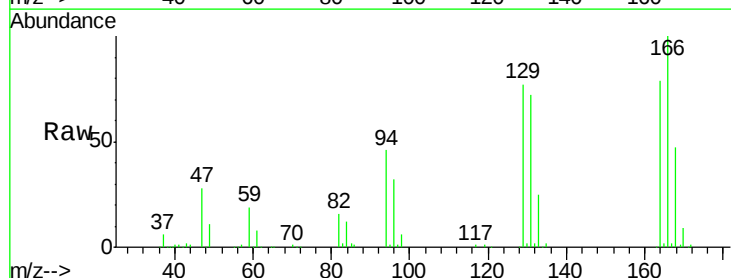
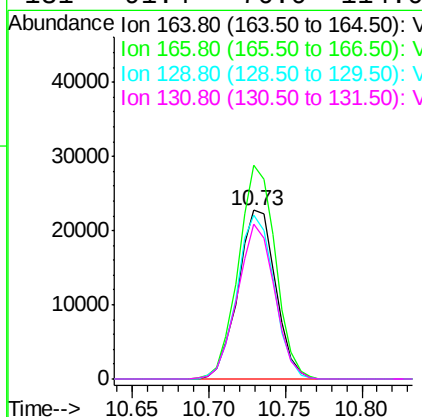
Manual Integrations
APPROVED

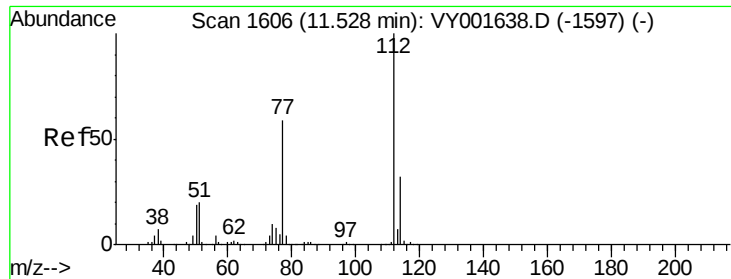
MMDadoda
2/19/2020 1:42:55 PM



#64
Tetrachloroethene
Concen: 21.610 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	38823		
166	126.5	101.4	152.0	
129	96.8	78.7	118.1	
131	91.4	76.0	114.0	





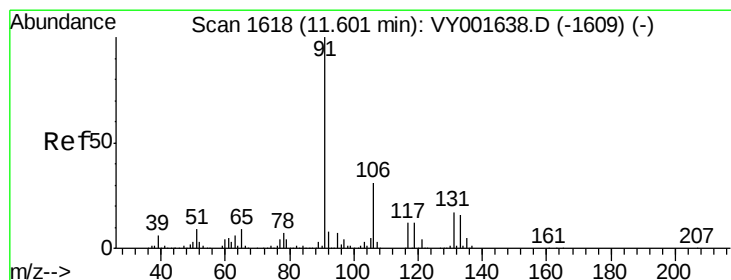
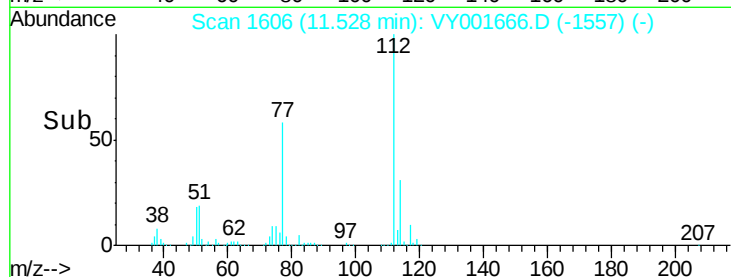
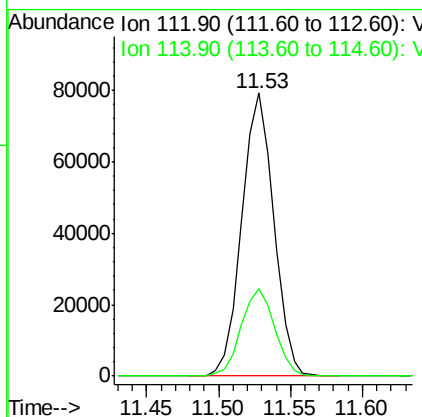
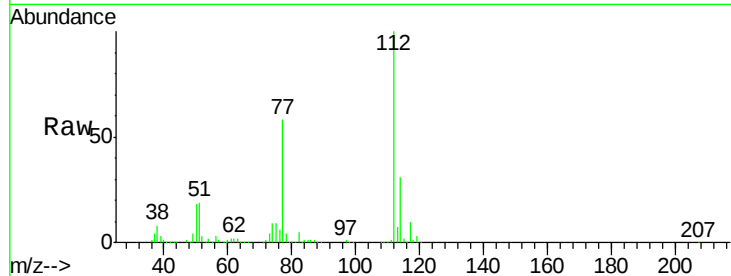
#65
Chlorobenzene
Concen: 21.354 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion:112 Resp: 122009
Ion Ratio Lower Upper
112 100
114 30.7 25.4 38.2

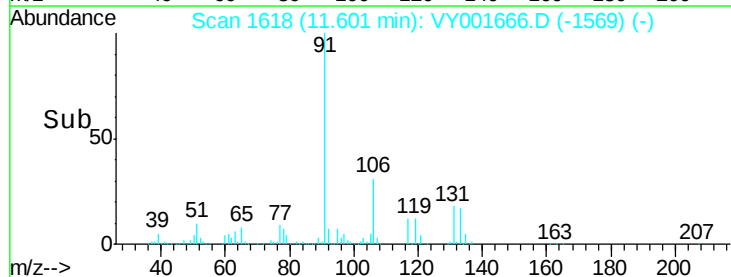
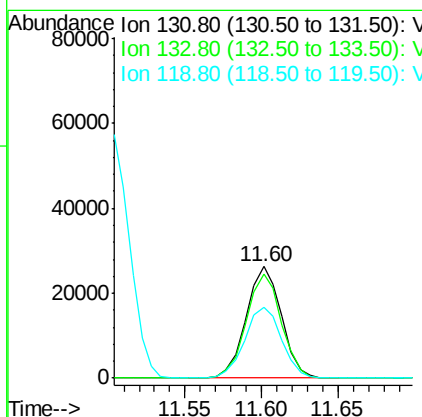
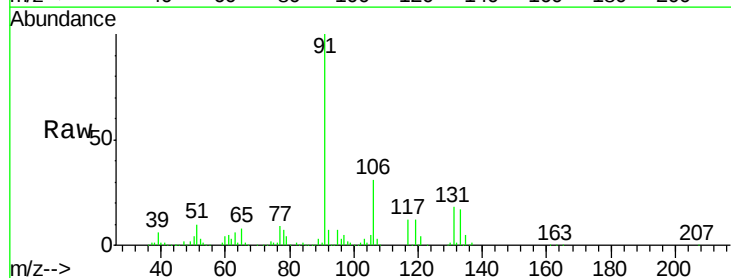
Manual Integrations
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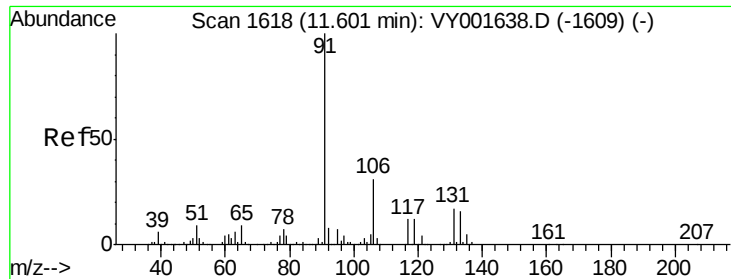
MMDadoda
2/19/2020 1:42:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.677 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Tgt Ion:131 Resp: 41781
Ion Ratio Lower Upper
131 100
133 93.6 47.4 142.2
119 66.4 34.4 103.1





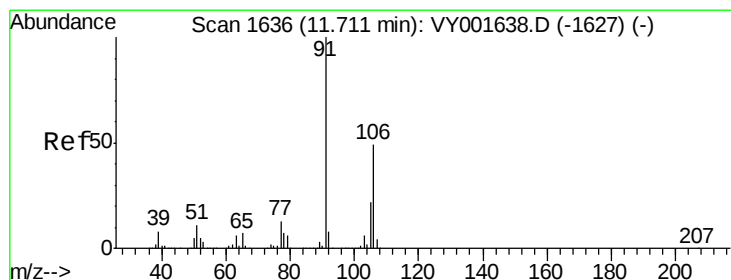
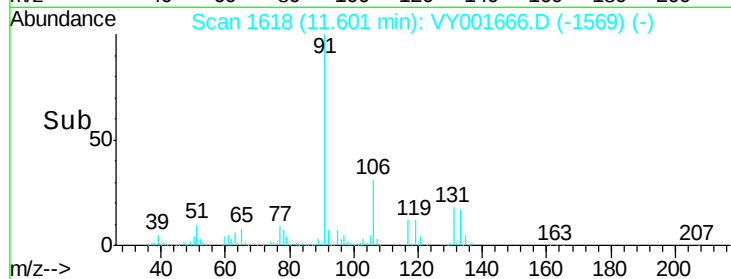
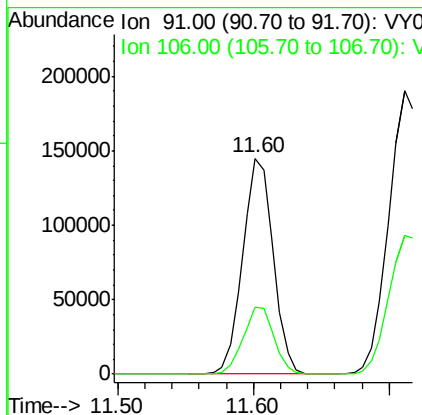
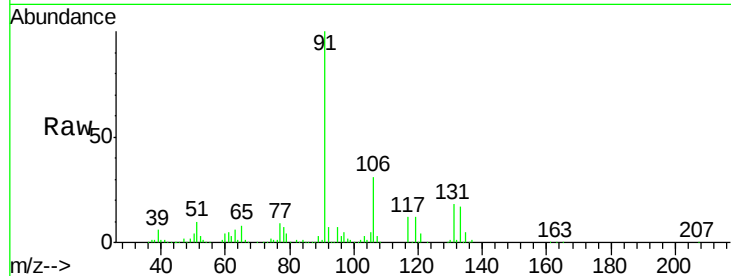
#67
Ethyl Benzene
Concen: 21.447 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion: 91 Resp: 227406
Ion Ratio Lower Upper
91 100
106 31.0 24.5 36.7

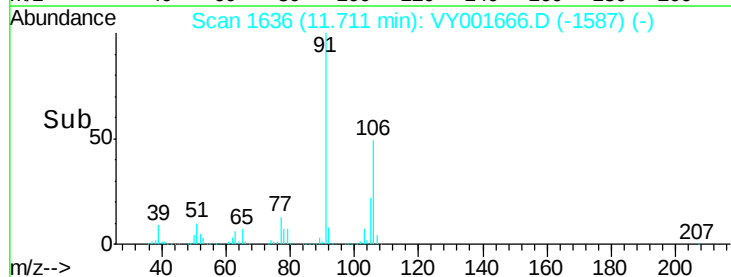
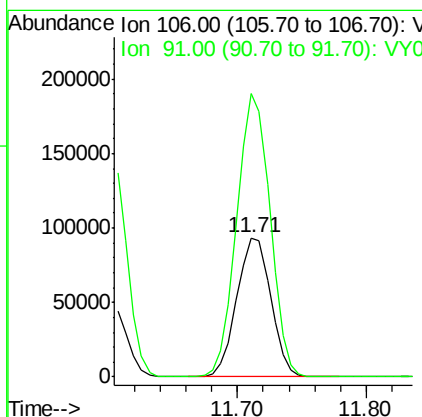
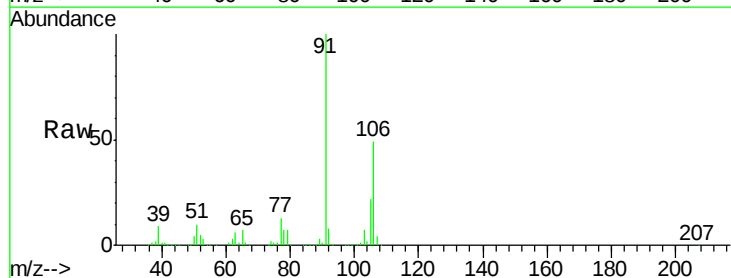
Manual Integrations
APPROVED

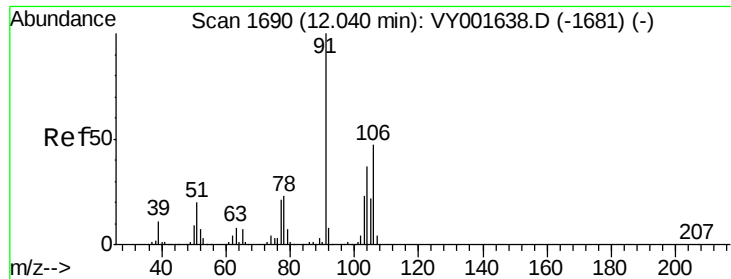
MMDadoda
2/19/2020 1:42:55 PM



#68
m/p-Xylenes
Concen: 43.154 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Tgt Ion: 106 Resp: 170923
Ion Ratio Lower Upper
106 100
91 199.8 163.3 244.9





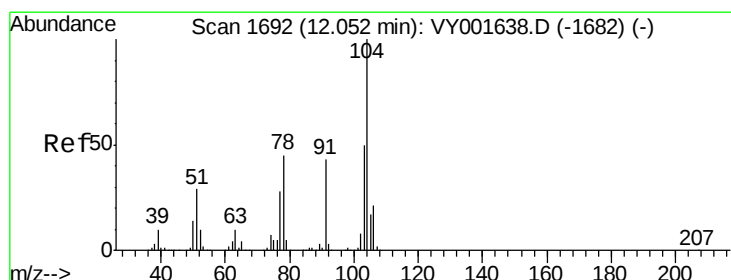
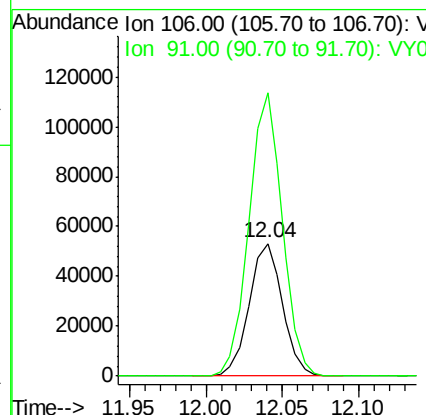
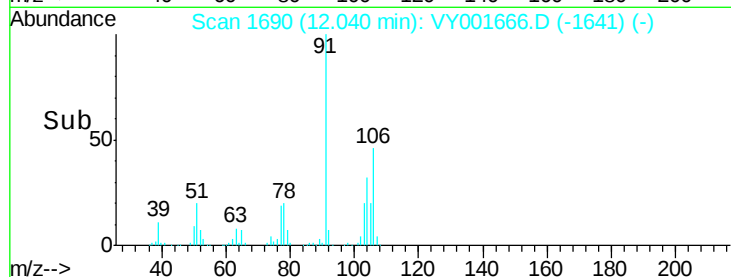
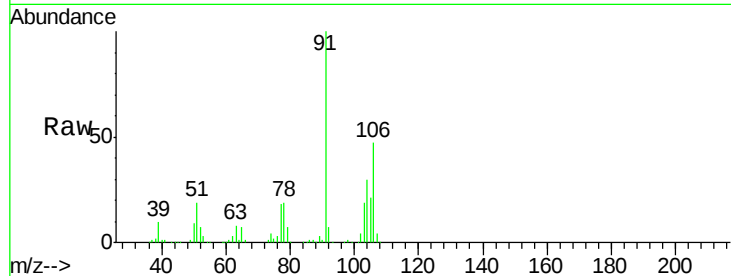
#69
o-Xylene
Concen: 21.302 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		80212		
91	213.7	108.3	324.9		

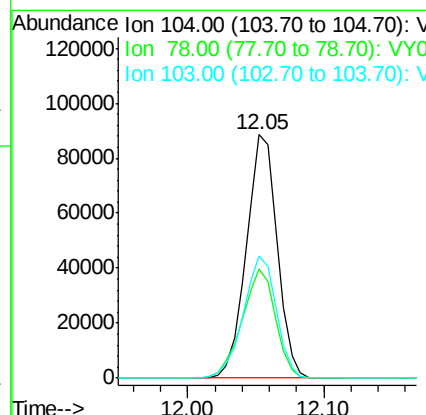
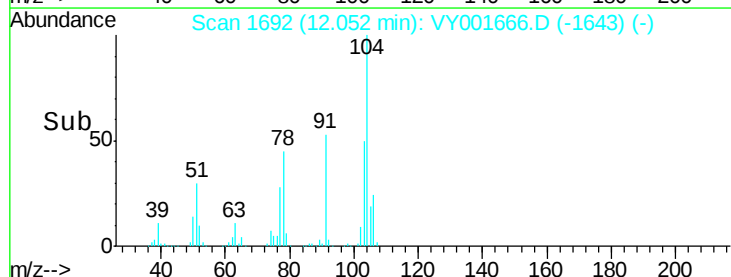
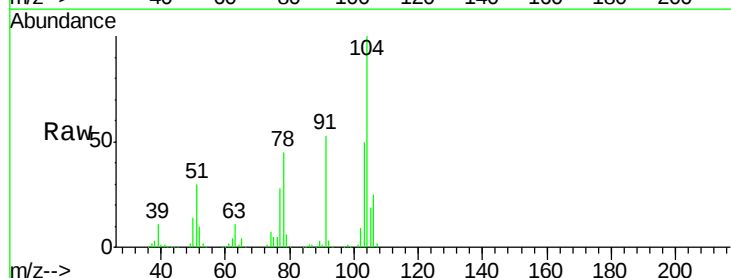
Manual Integrations
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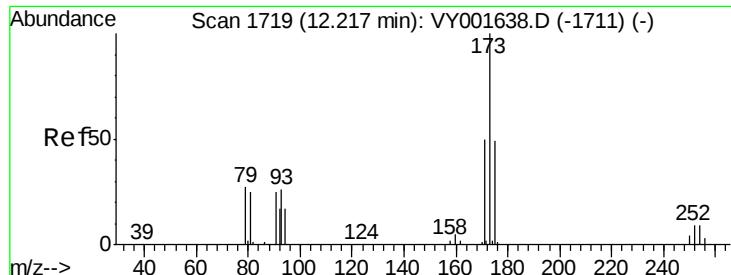
MMDadoda
2/19/2020 1:42:55 PM



#70
Styrene
Concen: 21.428 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		140225		
78	48.3	39.2	58.8		
103	53.6	43.0	64.6		





#71

Bromoform

Concen: 20.610 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. 0.00 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion:173 Resp: 22701

Ion Ratio Lower Upper

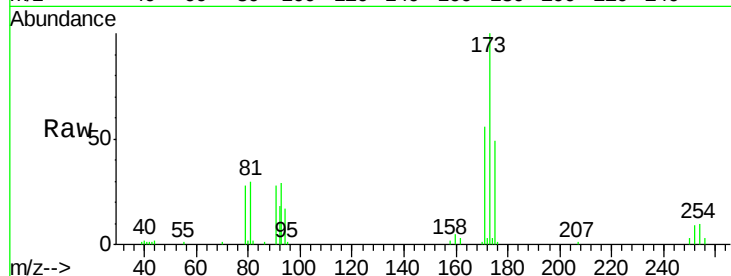
173 100

175 47.5 24.3 73.0

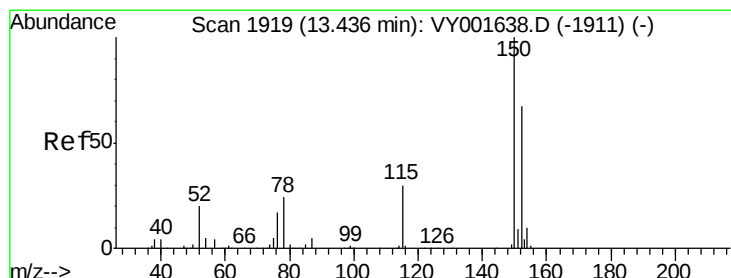
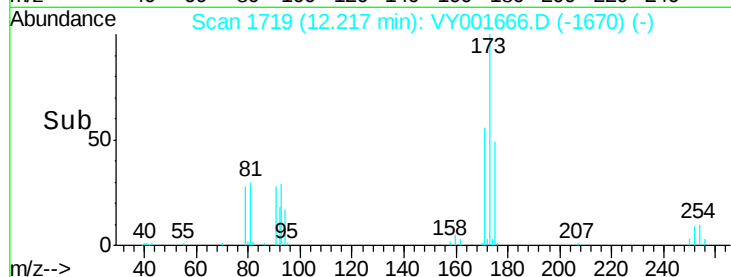
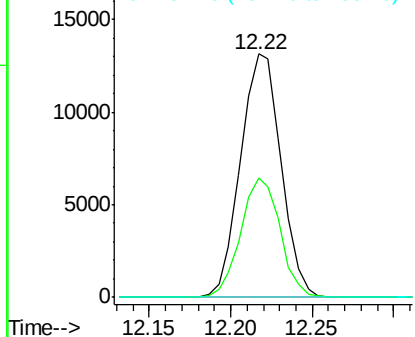
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

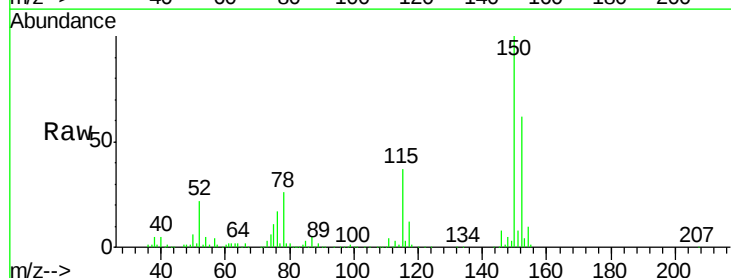
Tgt Ion:152 Resp: 133464

Ion Ratio Lower Upper

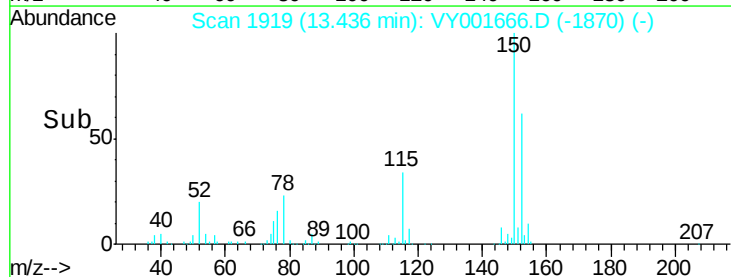
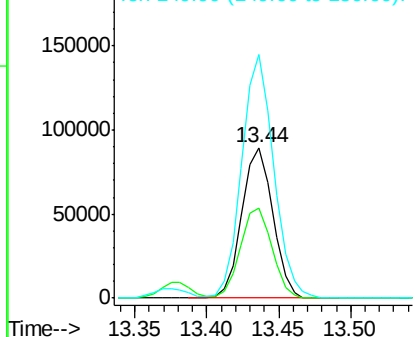
152 100

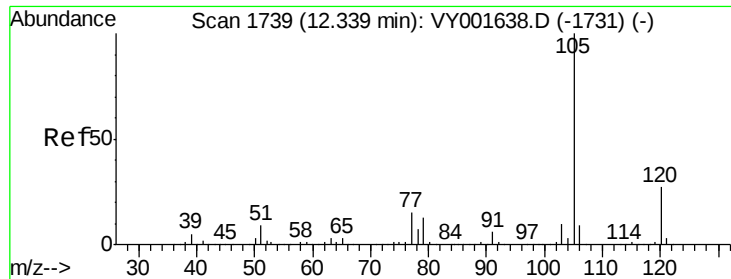
115 61.3 31.4 94.2

150 166.9 0.0 407.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.377 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 105 Resp: 217349

Ion Ratio Lower Upper

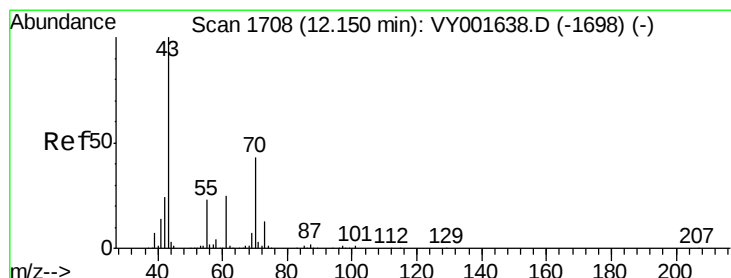
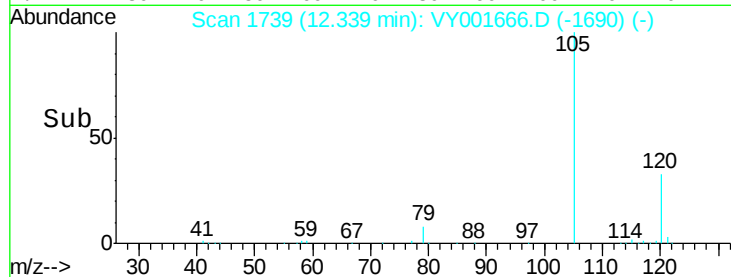
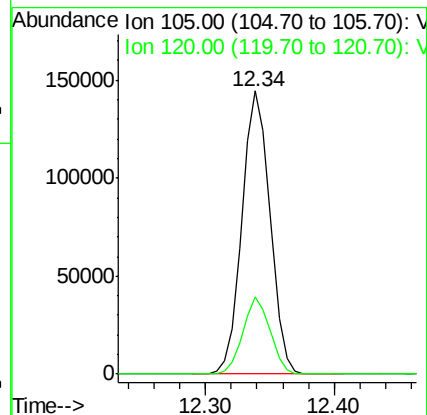
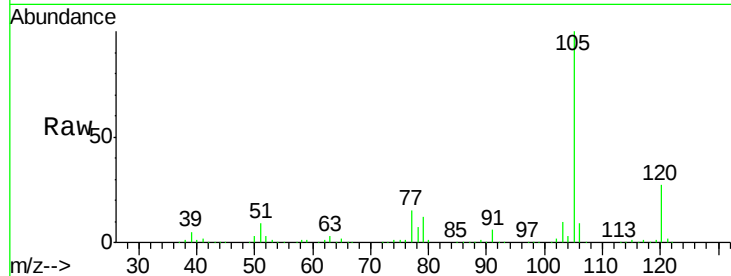
105 100

120 26.5 13.4 40.1

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.739 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

Tgt Ion: 43 Resp: 67295

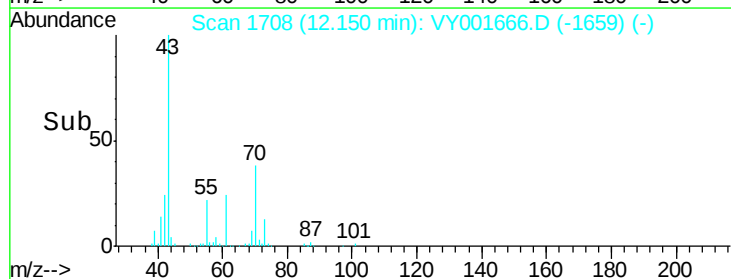
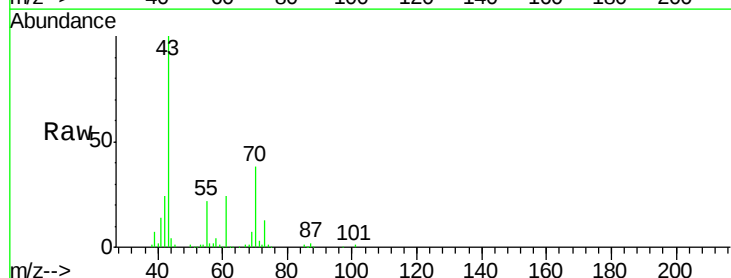
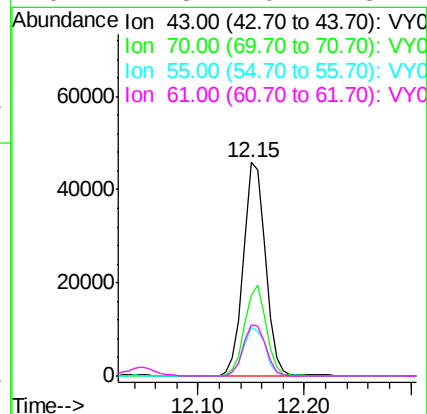
Ion Ratio Lower Upper

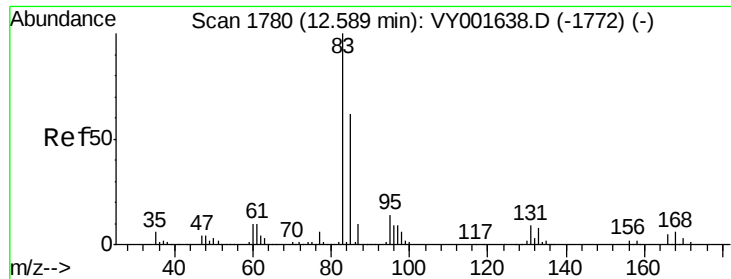
43 100

70 41.1 35.9 53.9

55 23.2 18.3 27.5

61 24.3 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.446 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

Instrument :

MSVOA_Y

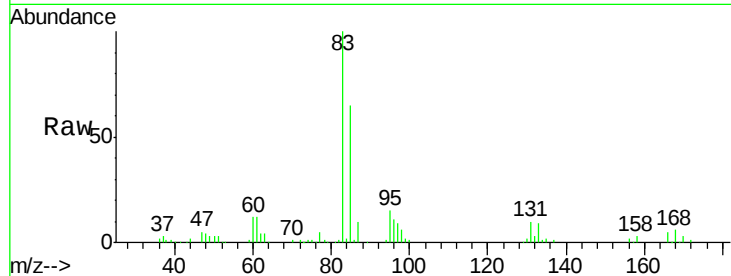
ClientSampleId :

VY0218SBS01

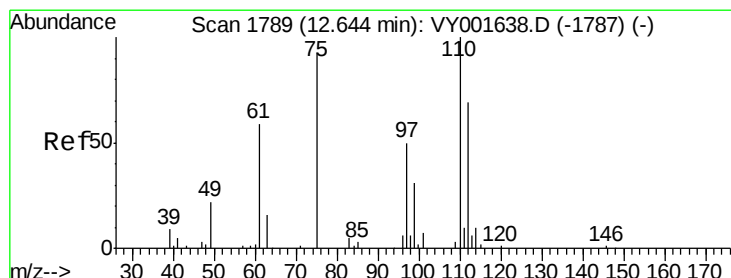
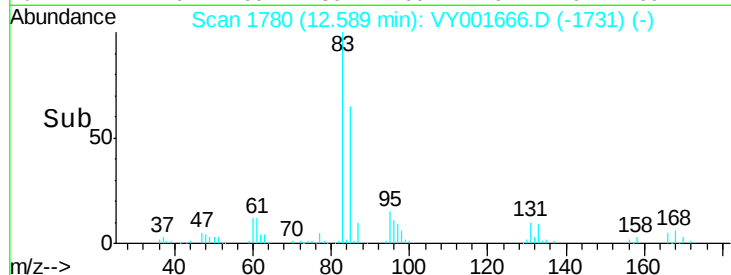
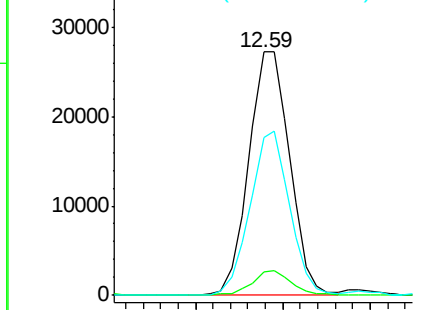
Tot Ion:	83	Resp:	44388
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.7	14.1
85	64.9	31.6	94.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VY001666.D (-1731) (-)



#76

1,2,3-Trichloropropane

Concen: 19.332 ug/l m

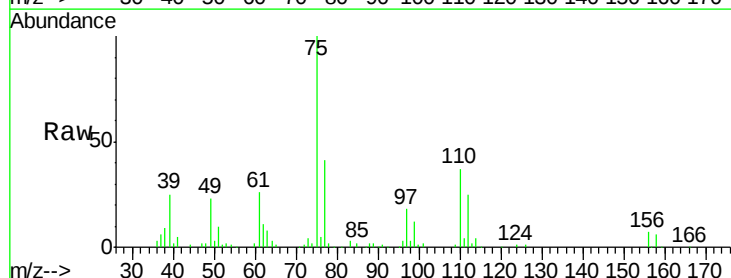
RT: 12.64 min Scan# 1789

Delta R.T. 0.00 min

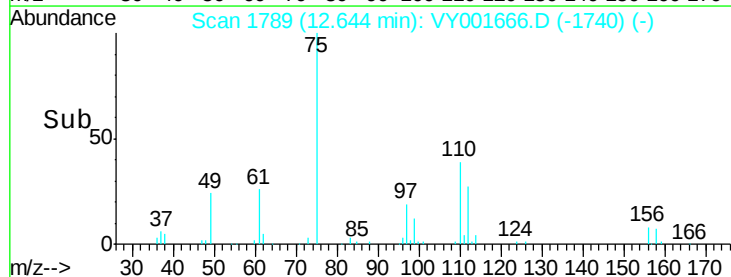
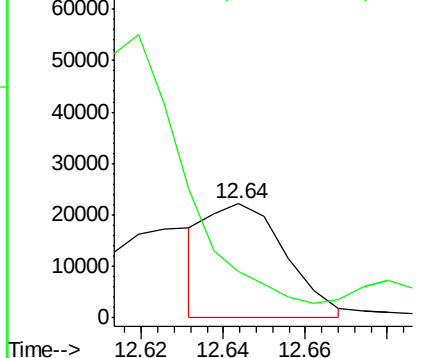
Lab File: VY001666.D

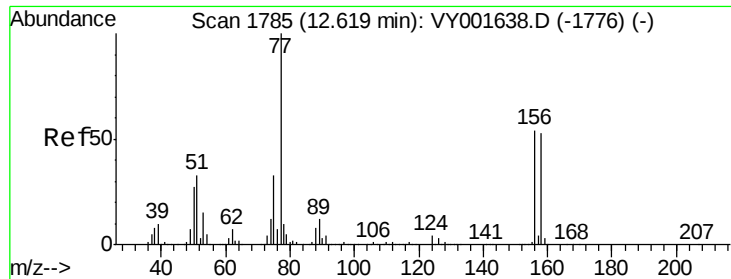
Acq: 18 Feb 2020 12:07

Tgt Ion:	75	Resp:	29598
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY001666.D (-1740) (-)





#77

Bromobenzene

Concen: 21.560 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion:156 Resp: 47522

Ion Ratio Lower Upper

156 100

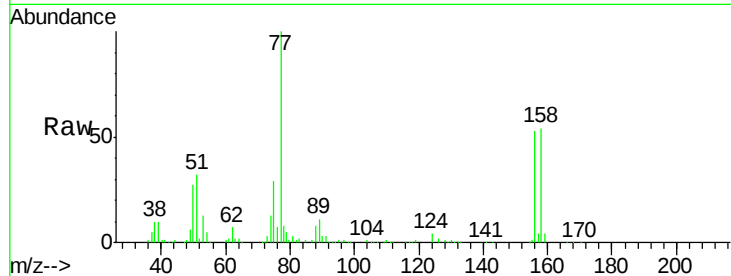
77 206.0 110.1 330.1

158 97.0 47.9 143.7

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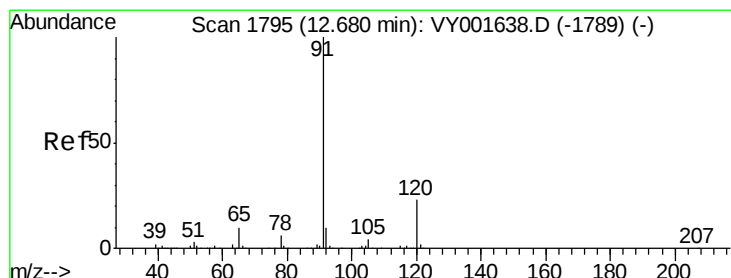
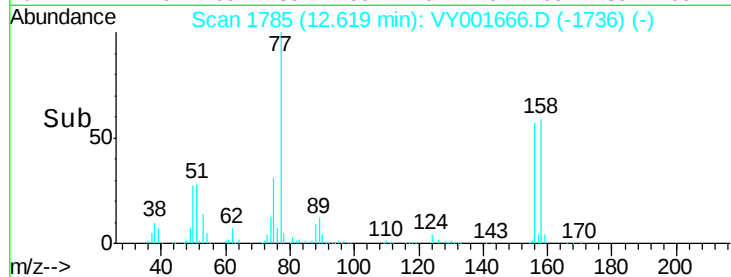
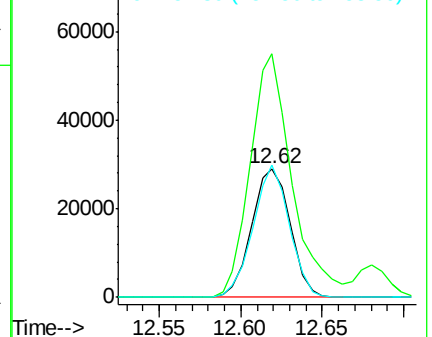
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.536 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY001666.D

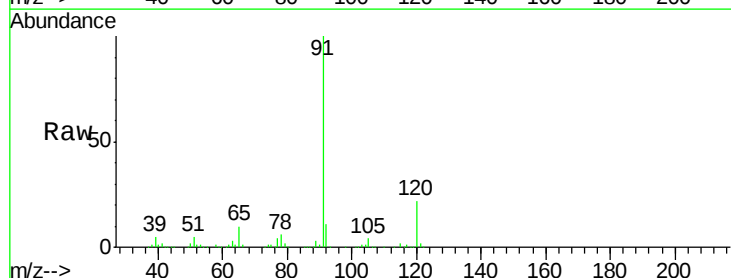
Acq: 18 Feb 2020 12:07

Tgt Ion: 91 Resp: 266687

Ion Ratio Lower Upper

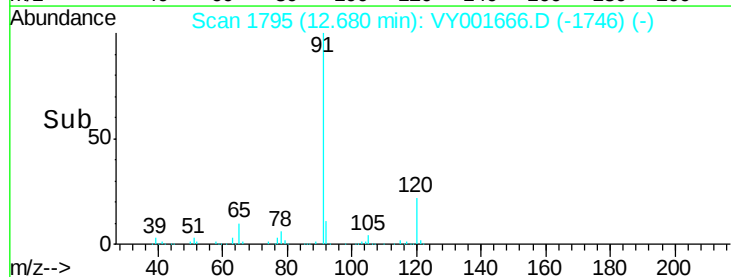
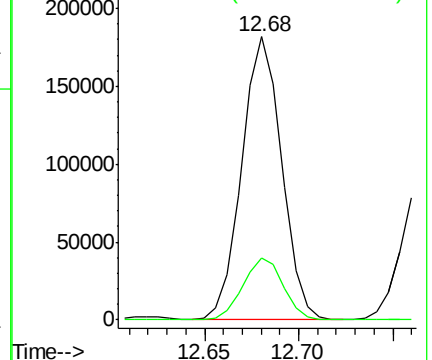
91 100

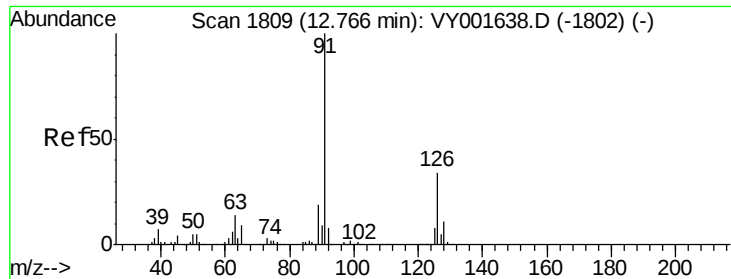
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





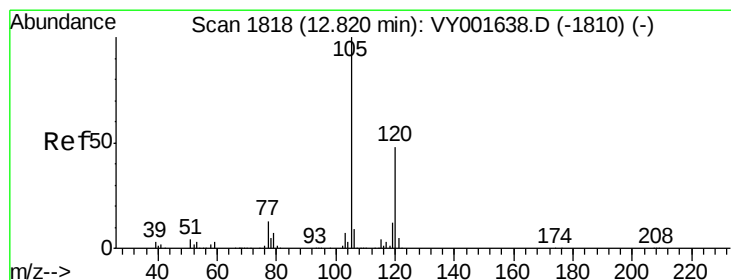
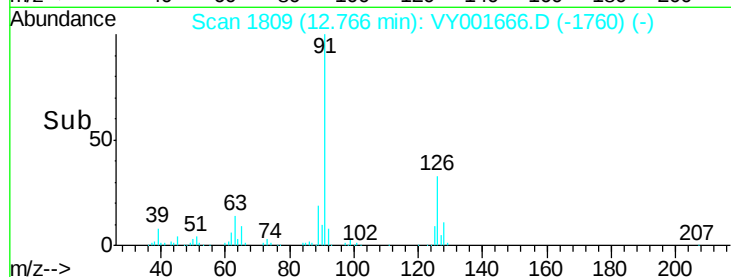
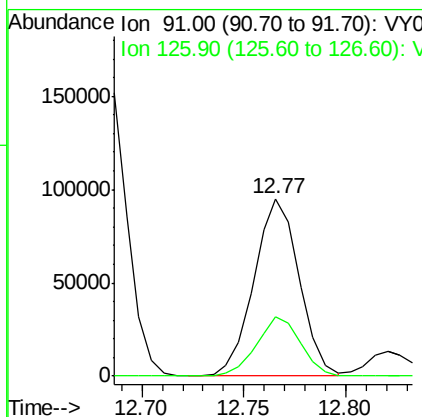
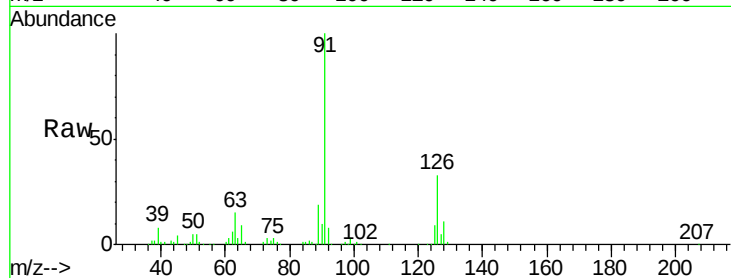
#79
2-Chlorotoluene
Concen: 21.104 ug/l
RT: 12.77 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion: 91 Resp: 146576
Ion Ratio Lower Upper
91 100
126 32.6 16.2 48.6

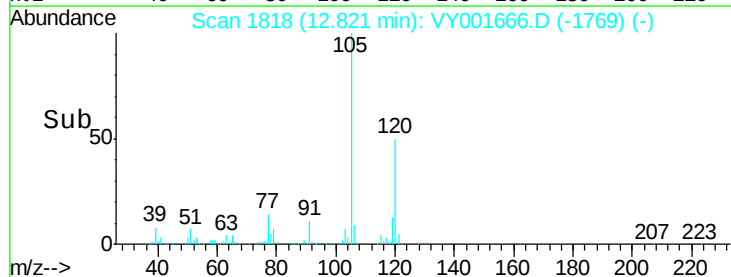
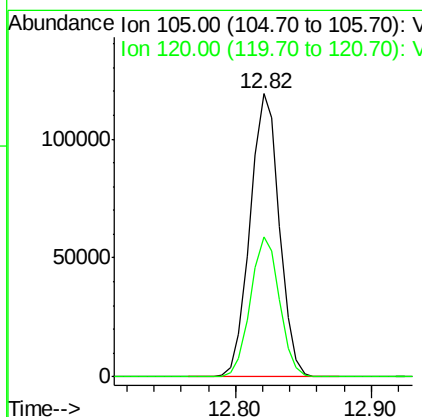
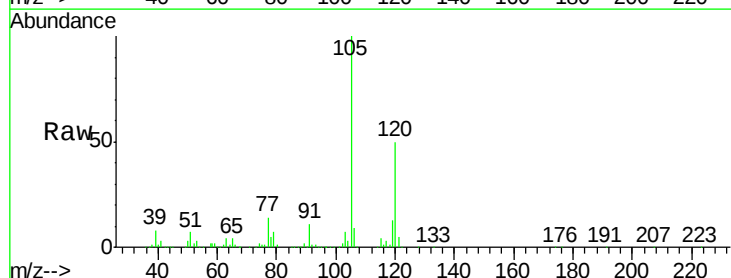
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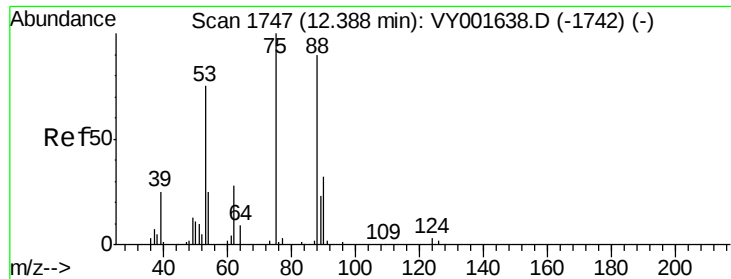
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 21.380 ug/l
RT: 12.82 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Tgt Ion: 105 Resp: 179942
Ion Ratio Lower Upper
105 100
120 48.9 24.3 72.9





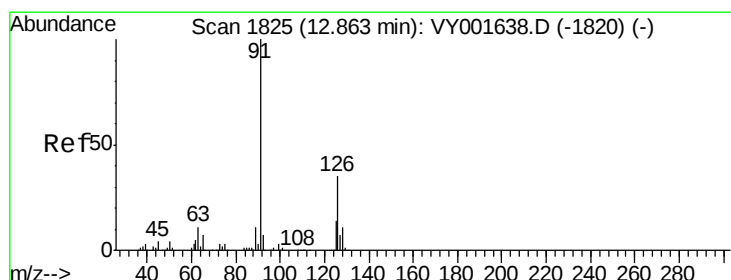
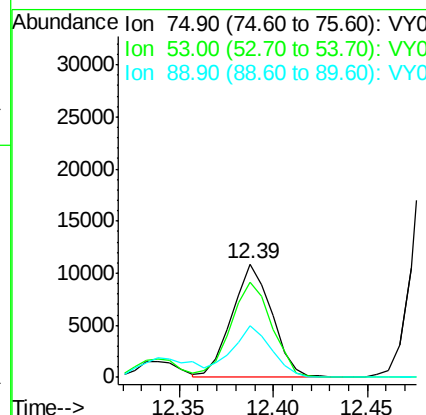
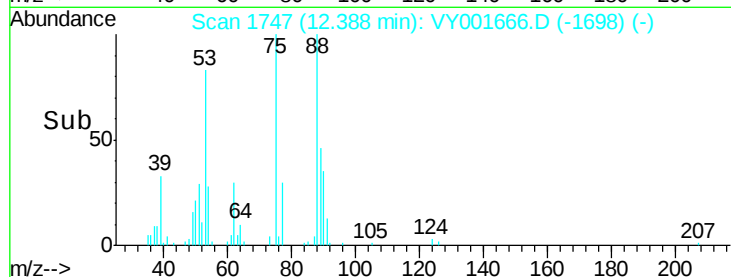
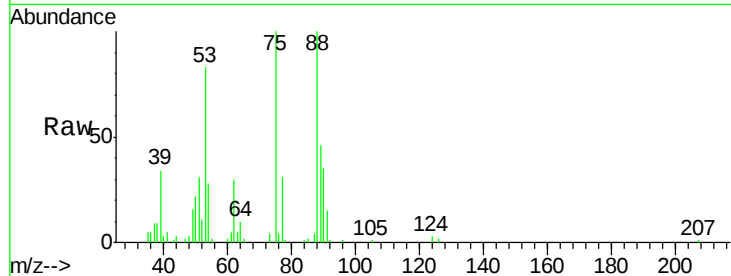
#81
trans-1,4-Dichloro-2-butene
Concen: 19.890 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.1	64.5	96.7
89	45.4	36.3	54.5

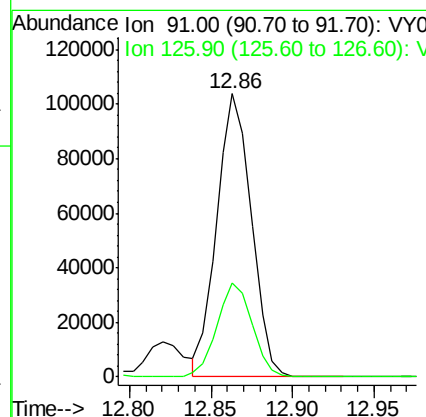
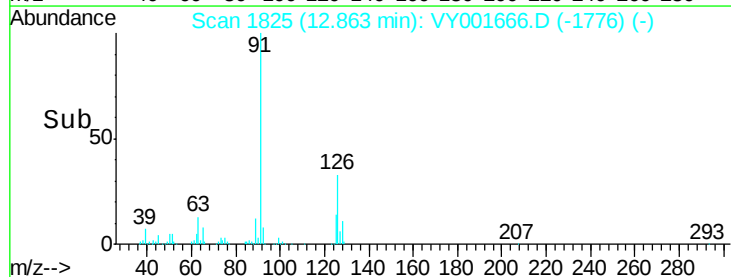
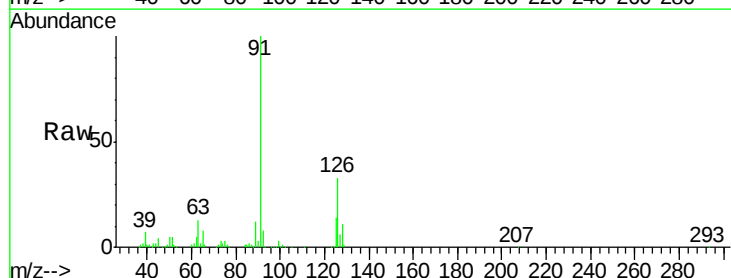
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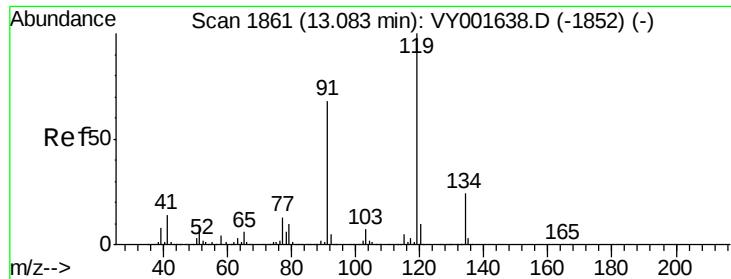
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#82
4-Chlorotoluene
Concen: 20.971 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.2	48.6





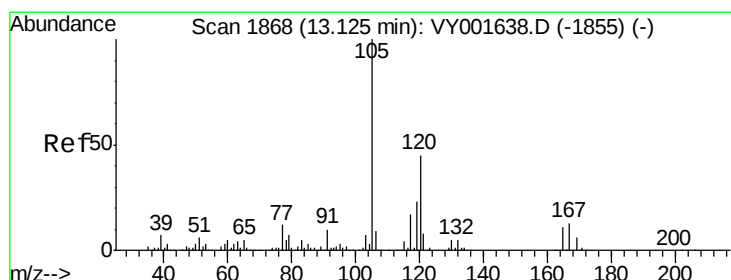
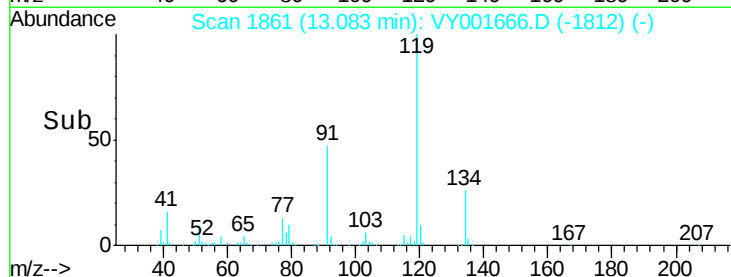
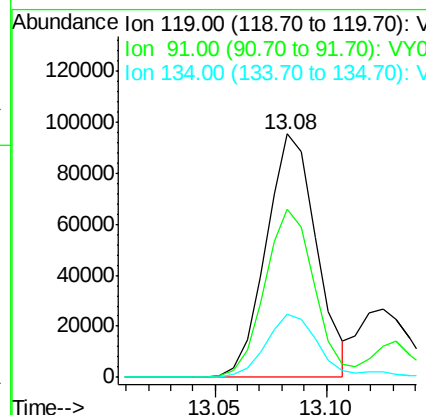
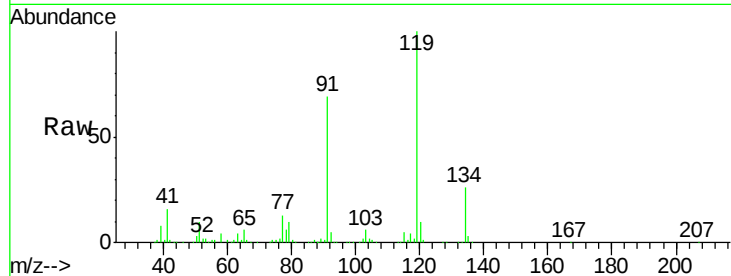
#83
tert-Butylbenzene
Concen: 21.268 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	33.5	100.5
134	27.8	13.3	39.8

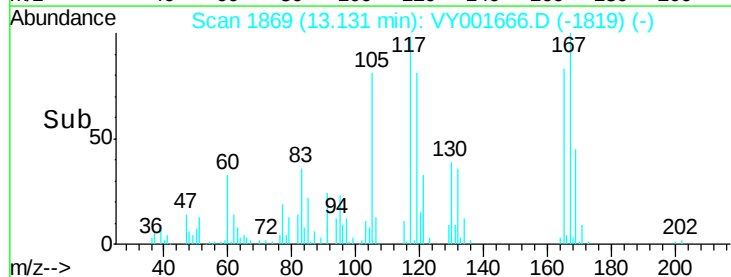
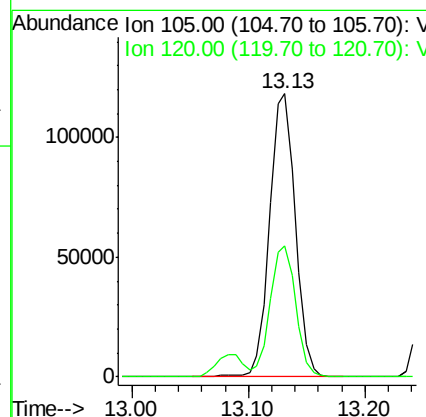
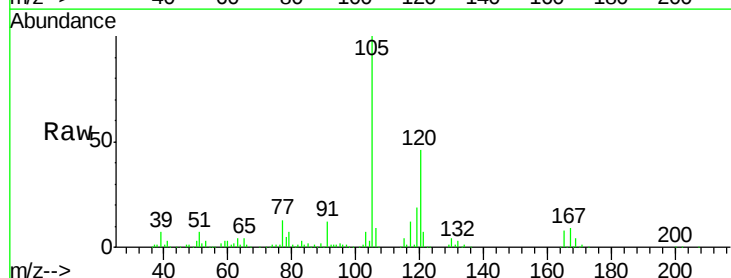
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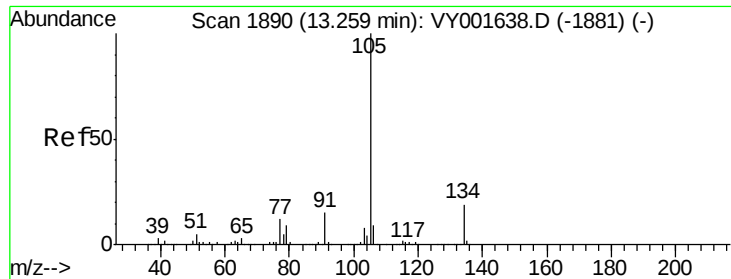
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#84
1,2,4-Trimethylbenzene
Concen: 21.686 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.4	67.3





#85

sec-Butylbenzene

Concen: 21.628 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion:105 Resp: 223909

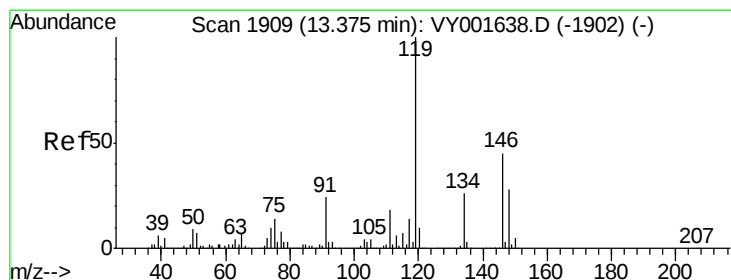
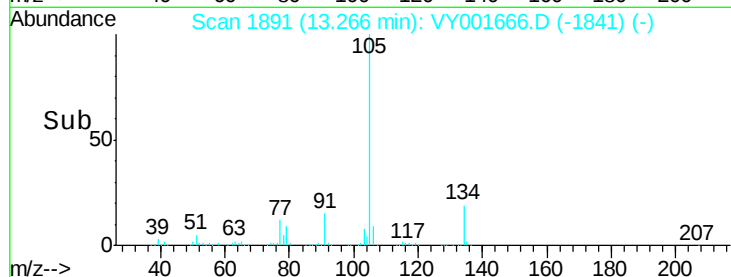
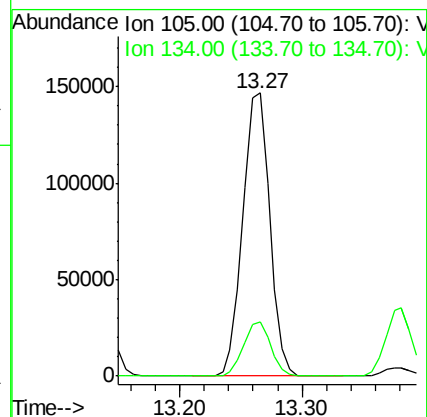
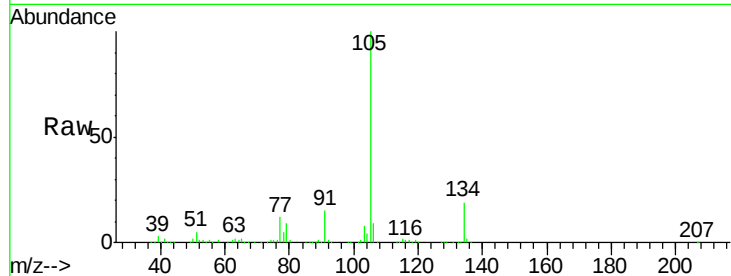
Ion Ratio Lower Upper

105 100

134 19.4 9.8 29.3

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#86

p-Isopropyltoluene

Concen: 21.760 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001666.D

Acq: 18 Feb 2020 12:07

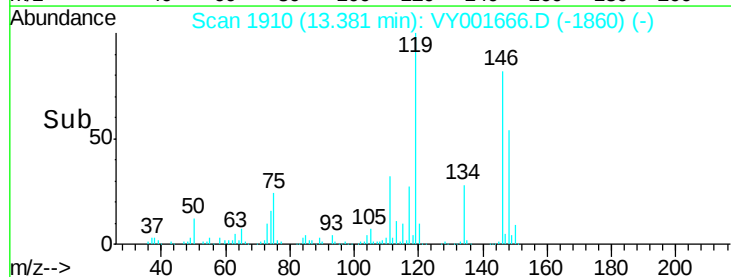
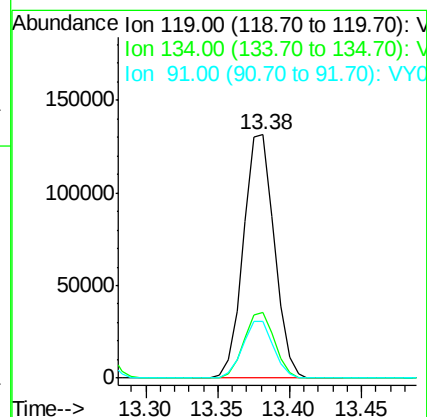
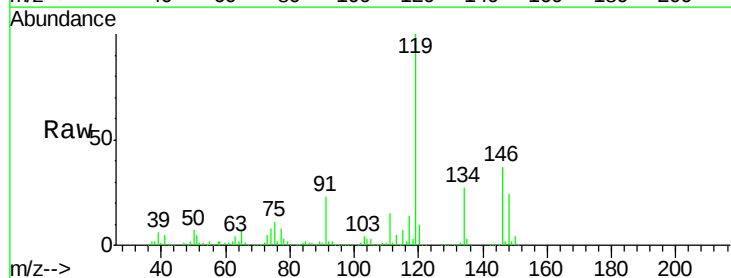
Tgt Ion:119 Resp: 195705

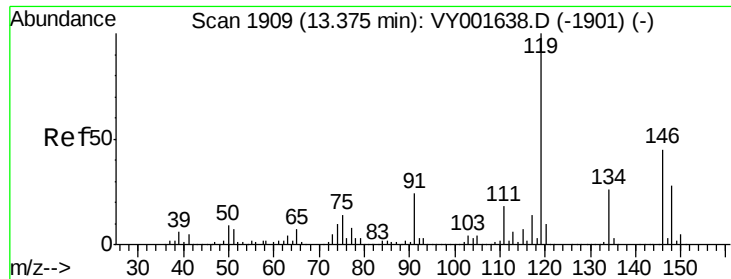
Ion Ratio Lower Upper

119 100

134 26.6 13.0 39.0

91 23.1 12.2 36.6





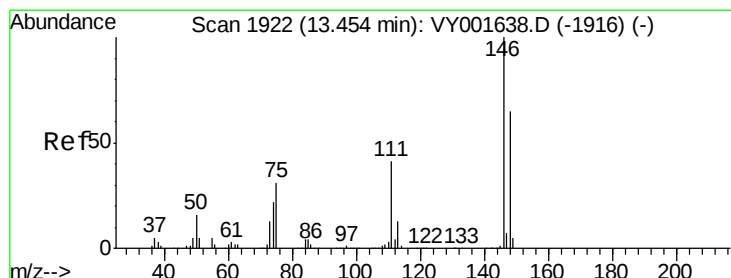
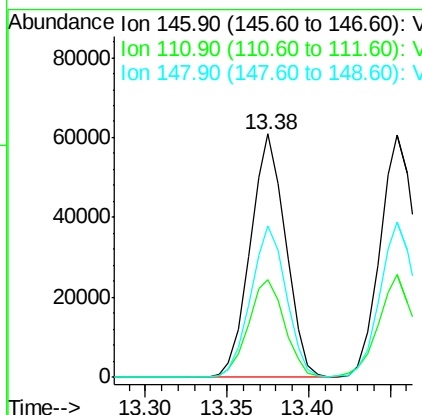
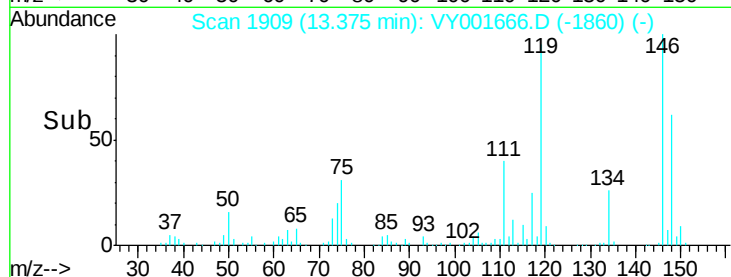
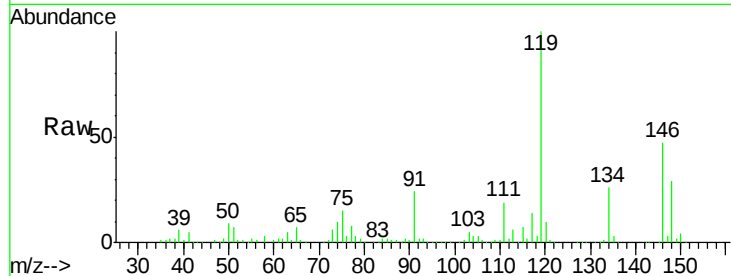
#87
 1,3-Dichlorobenzene
 Concen: 21.531 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001666.D
 Acq: 18 Feb 2020 12:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.4	64.3
148	62.4	31.6	94.7

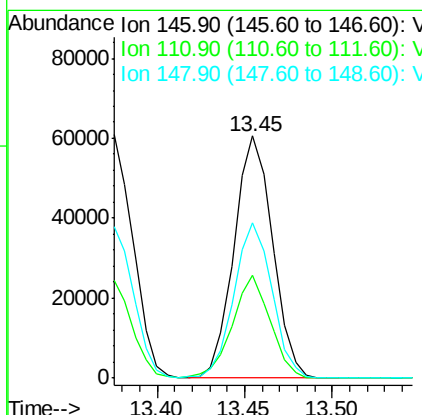
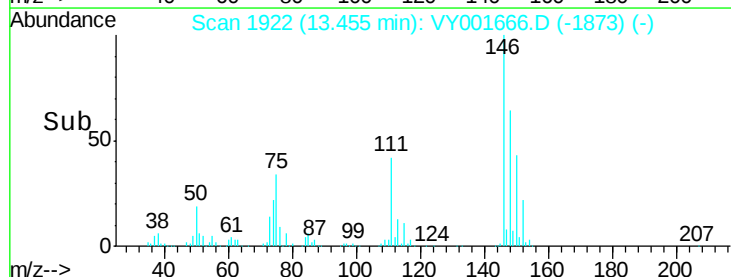
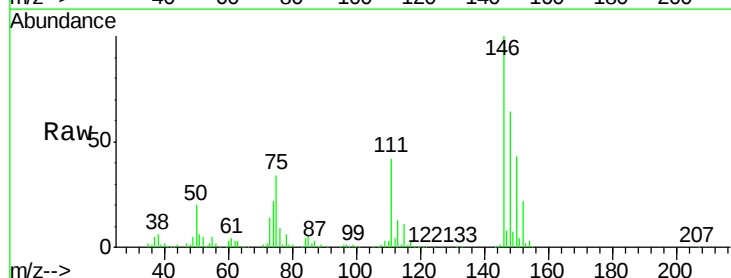
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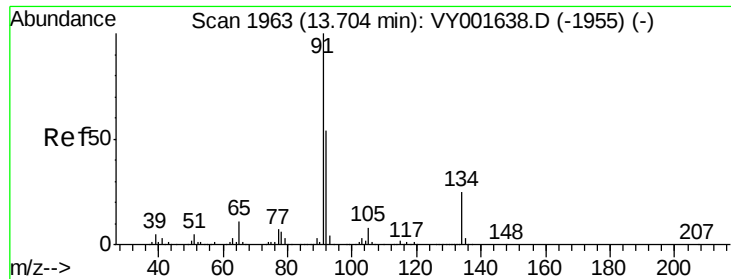
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#88
 1,4-Dichlorobenzene
 Concen: 21.494 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001666.D
 Acq: 18 Feb 2020 12:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.4	61.3
148	63.5	31.6	94.7





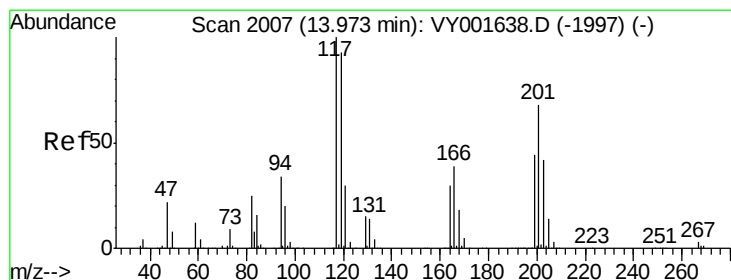
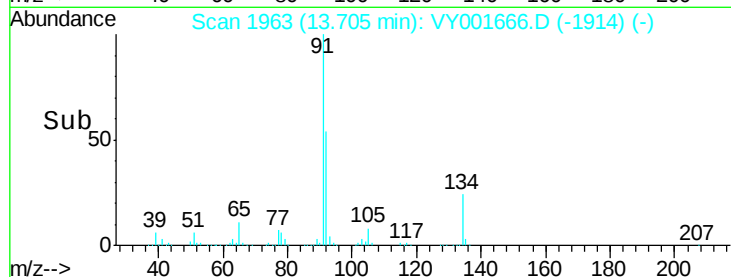
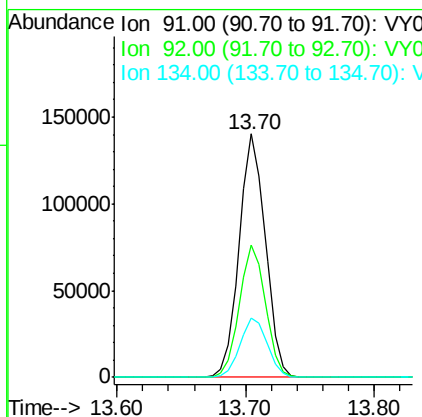
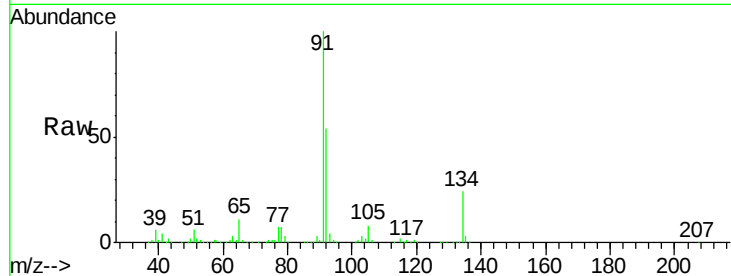
#89
n-Butylbenzene
Concen: 21.500 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.5	82.4
134	25.1	12.4	37.4

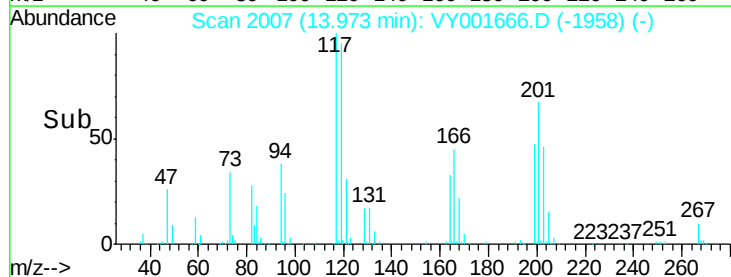
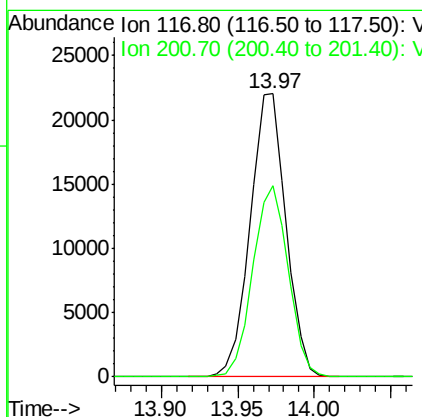
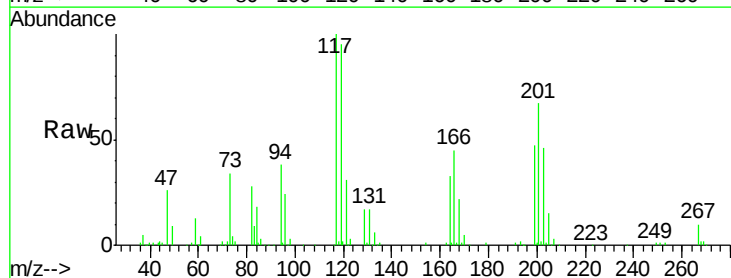
Manual Integrations
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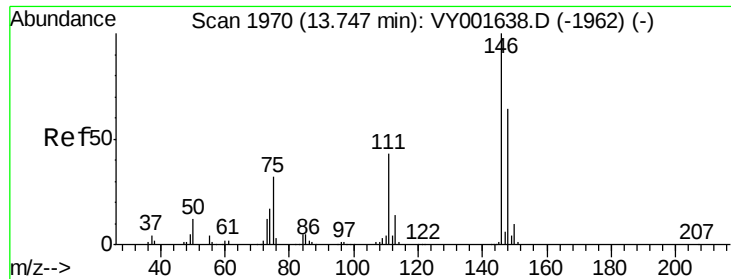
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#90
Hexachloroethane
Concen: 21.158 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.9	32.5	97.4





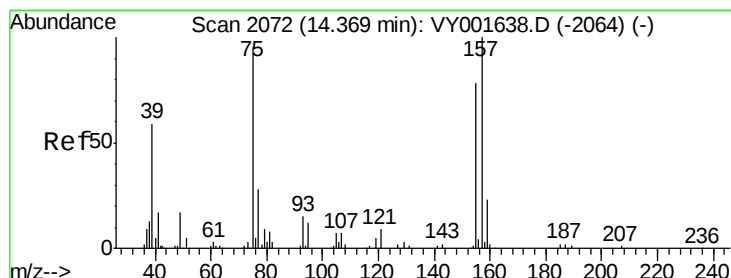
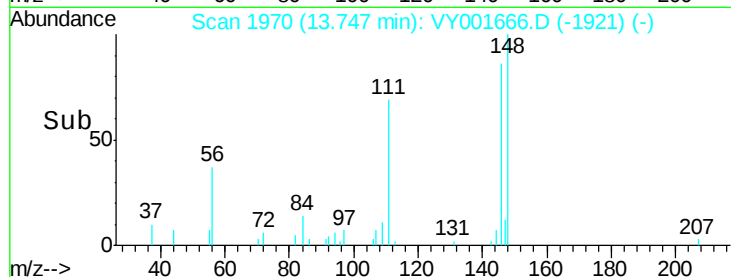
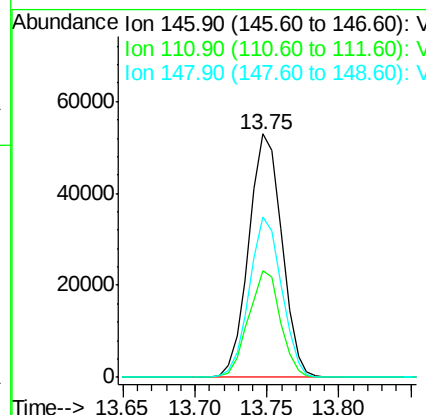
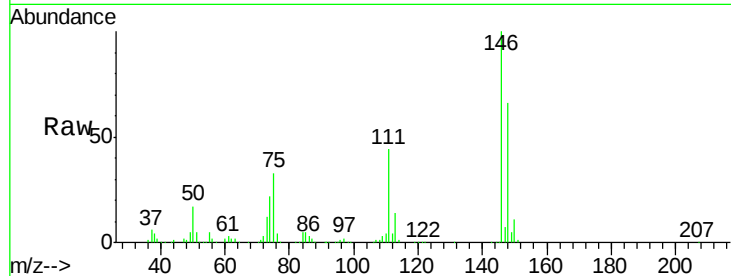
#91
 1,2-Dichlorobenzene
 Concen: 21.287 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001666.D
 Acq: 18 Feb 2020 12:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.9	65.7
148	63.9	31.5	94.5

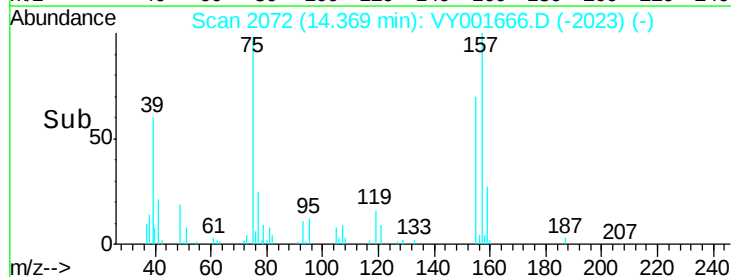
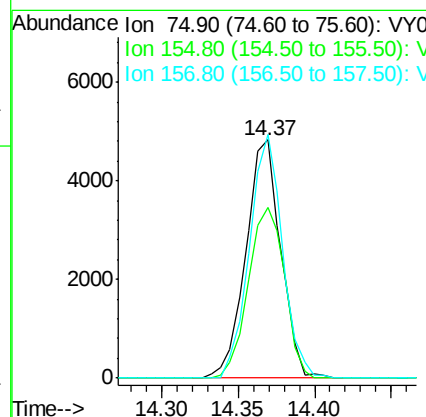
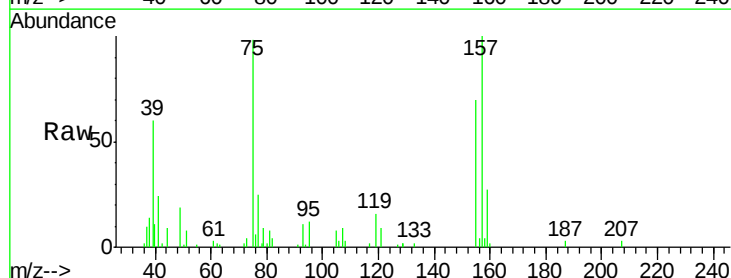
Manual Integrations
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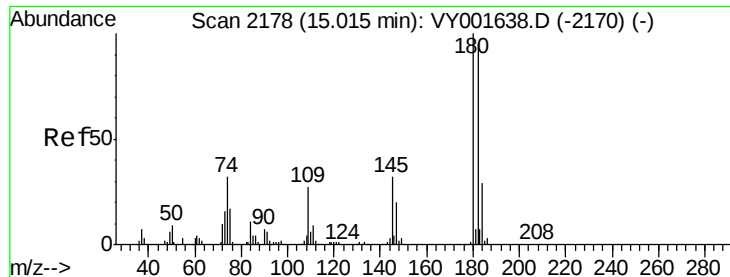
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.310 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY001666.D
 Acq: 18 Feb 2020 12:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.5	40.8	122.4
157	96.6	52.1	156.4





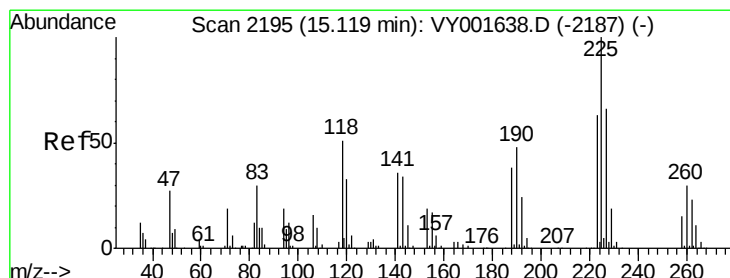
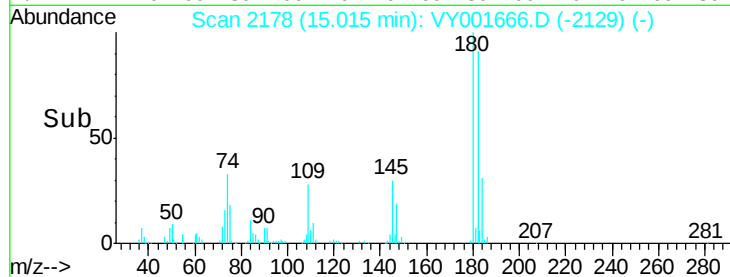
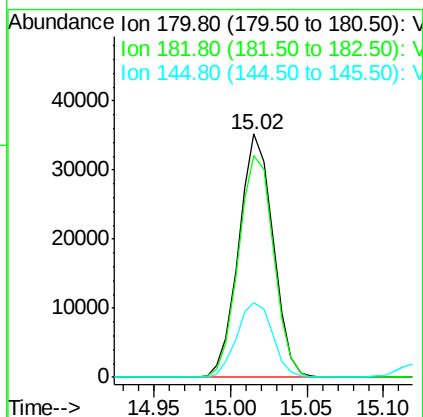
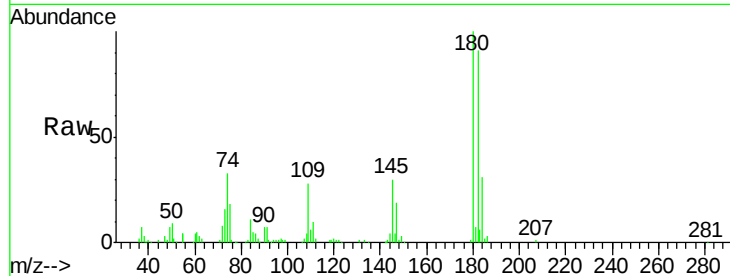
#93
 1,2,4-Trichlorobenzene
 Concen: 21.036 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VY001666.D
 Acq: 18 Feb 2020 12:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	54992		
182	93.2	46.8	140.3	
145	31.8	16.2	48.5	

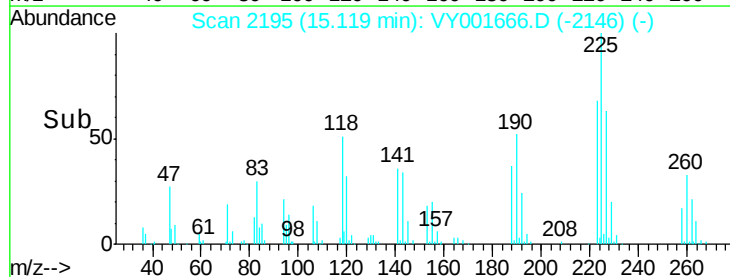
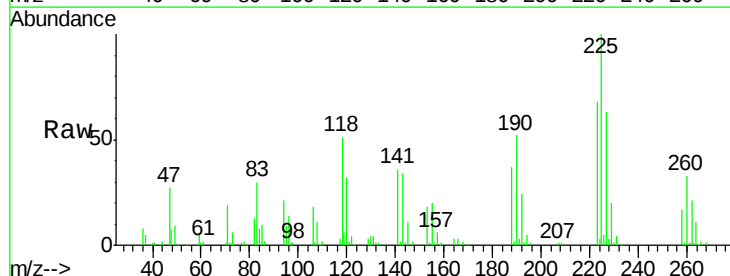
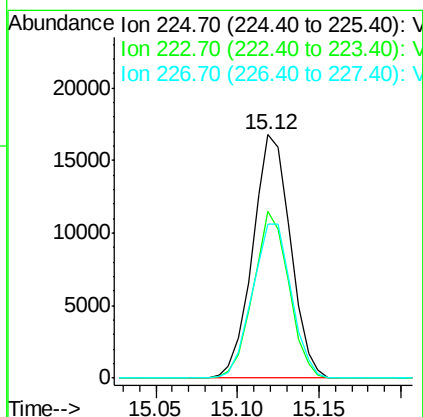
Manual Integrations
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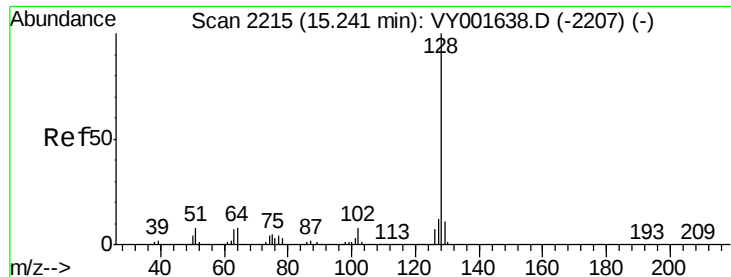
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#94
 Hexachlorobutadiene
 Concen: 20.745 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY001666.D
 Acq: 18 Feb 2020 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26971		
223	64.2	31.4	94.0	
227	65.5	31.6	94.8	





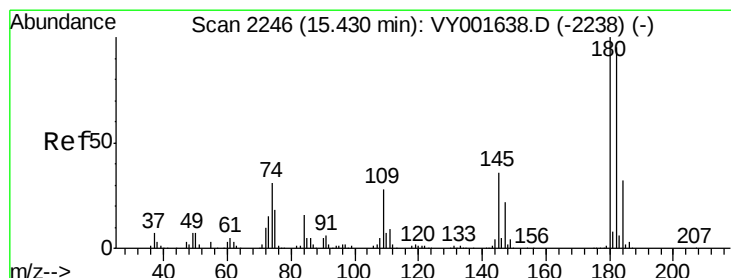
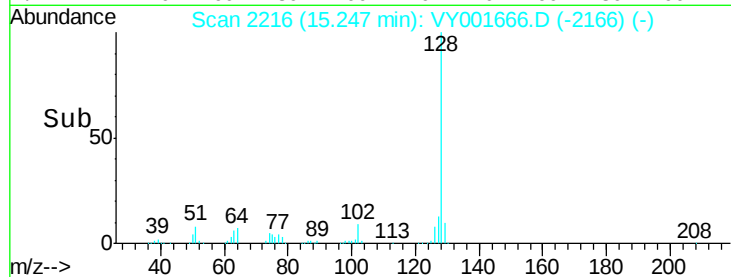
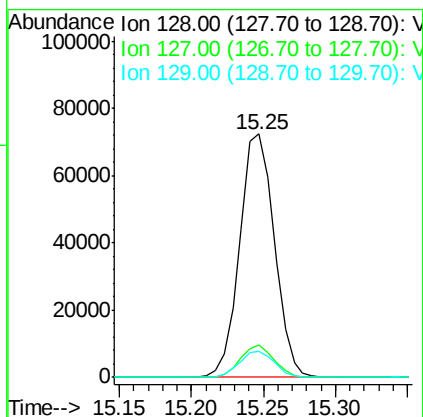
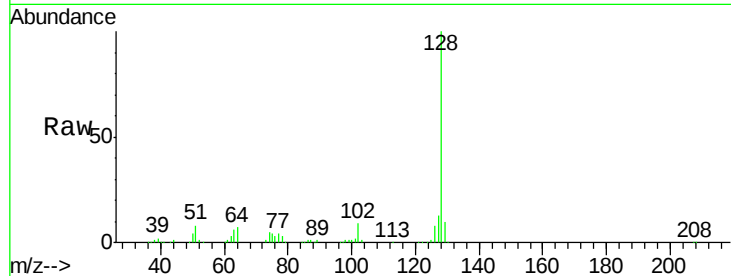
#95
Naphthalene
Concen: 20.080 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

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

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.553 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY001666.D
Acq: 18 Feb 2020 12:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.2	141.6
145	34.0	17.3	52.0

