

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY043020\
 Data File : VY002512.D
 Acq On : 30 Apr 2020 15:01
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/5/2020 4:31:05 PM

Quant Time: May 04 12:23:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:07:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	397550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	590779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	537112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	277878	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	65296	19.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.06%	
35) Dibromofluoromethane	7.74	113	65786	19.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.94%	
50) Toluene-d8	10.19	98	255408	19.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.72%	
62) 4-Bromofluorobenzene	12.49	95	87740	19.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	47323	15.674	ug/l	93
3) Chloromethane	2.12	50	54490	16.918	ug/l	97
4) Vinyl Chloride	2.26	62	65566	17.629	ug/l	100
5) Bromomethane	2.65	94	44897	17.505	ug/l	100
6) Chloroethane	2.80	64	39762	17.905	ug/l	95
7) Trichlorofluoromethane	3.14	101	104839	18.188	ug/l	100
8) Diethyl Ether	3.55	74	36101	18.637	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	65402	18.565	ug/l	100
10) Methyl Iodide	4.11	142	87618	18.256	ug/l	100
11) Tert butyl alcohol	4.99	59	31987	93.012	ug/l	98
12) 1,1-Dichloroethene	3.89	96	62482	18.257	ug/l	97
13) Acrolein	3.75	56	20998	88.297	ug/l	96
14) Allyl chloride	4.50	41	93079	18.667	ug/l	99
15) Acrylonitrile	5.19	53	86496	94.690	ug/l	99
16) Acetone	3.97	43	63468	92.002	ug/l	98
17) Carbon Disulfide	4.21	76	178728	17.360	ug/l	98
18) Methyl Acetate	4.50	43	44149	19.154	ug/l	96
19) Methyl tert-butyl Ether	5.25	73	168429	18.864	ug/l	99
20) Methylene Chloride	4.74	84	71184	18.452	ug/l	97
21) trans-1,2-Dichloroethene	5.24	96	70046	18.726	ug/l	98
22) Diisopropyl ether	6.14	45	199439	19.767	ug/l	99
23) Vinyl Acetate	6.09	43	612609	96.548	ug/l	100
24) 1,1-Dichloroethane	6.04	63	112809	18.900	ug/l	100
25) 2-Butanone	7.01	43	107044	94.792	ug/l	99
26) 2,2-Dichloropropane	7.00	77	105497	18.595	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	78851	19.051	ug/l	99
28) Bromochloromethane	7.36	49	47755	19.527	ug/l	100
29) Tetrahydrofuran	7.37	42	70694	94.621	ug/l	99
30) Chloroform	7.53	83	118140	19.036	ug/l	98
31) Cyclohexane	7.80	56	108455	18.052	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	108425	18.796	ug/l	100
36) 1,1-Dichloropropene	7.94	75	91008	18.376	ug/l	99
37) Ethyl Acetate	7.10	43	49172	19.321	ug/l	99
38) Carbon Tetrachloride	7.92	117	101372	18.748	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	117675	17.989	ug/l	98
40) Benzene	8.18	78	268107	18.743	ug/l	99
41) Methacrylonitrile	7.34	41	26406m	19.849	ug/l	
42) 1,2-Dichloroethane	8.25	62	76126	18.973	ug/l	100
43) Isopropyl Acetate	8.29	43	91746	19.229	ug/l	99
44) Trichloroethene	8.96	130	84137	18.822	ug/l	96
45) 1,2-Dichloropropane	9.23	63	65965	19.108	ug/l	98
46) Dibromomethane	9.32	93	37733	18.997	ug/l	99
47) Bromodichloromethane	9.51	83	92063	19.062	ug/l	97
48) Methyl methacrylate	9.30	41	40588	18.797	ug/l	100
49) 1,4-Dioxane	9.31	88	9579	364.237	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	233484	94.942	ug/l	100
52) Toluene	10.25	92	172702	18.787	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	95168	18.807	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	109968	18.798	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	55534	19.173	ug/l	98
56) Ethyl methacrylate	10.52	69	72732	18.875	ug/l	99
57) 1,3-Dichloropropane	10.80	76	93323	18.999	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	204394	100.586	ug/l	99
59) 2-Hexanone	10.84	43	161766	95.572	ug/l	100
60) Dibromochloromethane	10.99	129	69789	18.944	ug/l	100
61) 1,2-Dibromoethane	11.10	107	55390	19.313	ug/l	97
64) Tetrachloroethene	10.73	164	90160	18.893	ug/l	98
65) Chlorobenzene	11.52	112	191881	18.793	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	71480	18.859	ug/l	99
67) Ethyl Benzene	11.60	91	336410	18.757	ug/l	99
68) m/p-Xylenes	11.71	106	260630	37.557	ug/l	99
69) o-Xylene	12.03	106	122503	18.853	ug/l	99
70) Styrene	12.05	104	211238	19.017	ug/l	98
71) Bromoform	12.22	173	44677	18.992	ug/l #	100
73) Isopropylbenzene	12.34	105	336769	18.700	ug/l	100
74) N-amyl acetate	12.15	43	81246	18.754	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	53626	18.723	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	47820m	19.279	ug/l	
77) Bromobenzene	12.61	156	83968	18.662	ug/l	98
78) n-propylbenzene	12.68	91	392604	18.786	ug/l	100
79) 2-Chlorotoluene	12.77	91	217753	18.810	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	281270	18.842	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	23053	18.719	ug/l	98
82) 4-Chlorotoluene	12.86	91	229315	18.857	ug/l	99
83) tert-Butylbenzene	13.08	119	247168	18.883	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	281463	18.919	ug/l	99
85) sec-Butylbenzene	13.26	105	342340	18.848	ug/l	99
86) p-Isopropyltoluene	13.38	119	321118	18.869	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	160832	18.886	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	159332	18.895	ug/l	99
89) n-Butylbenzene	13.70	91	291780	18.833	ug/l	99
90) Hexachloroethane	13.97	117	57705	18.619	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	143594	18.897	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10544	19.749	ug/l	90

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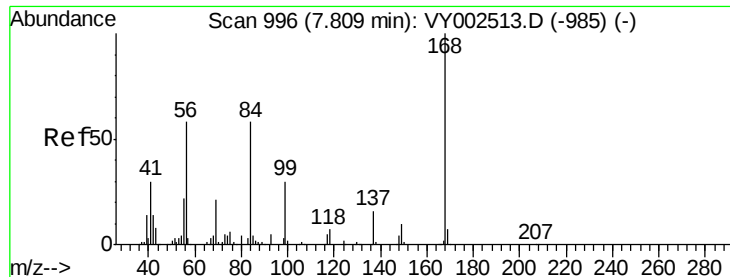
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	104396	18.923	ug/l	99
94) Hexachlorobutadiene	15.12	225	63279	19.109	ug/l	99
95) Naphthalene	15.25	128	187342	18.615	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	88799	18.961	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 397550

Ion Ratio Lower Upper

168 100

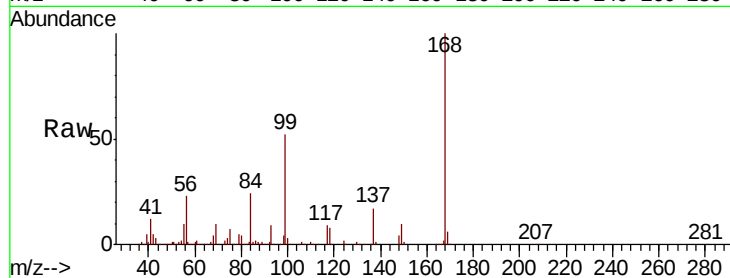
99 51.8 39.2 58.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.81

150000

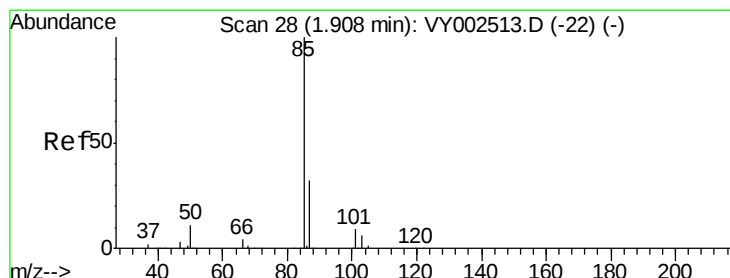
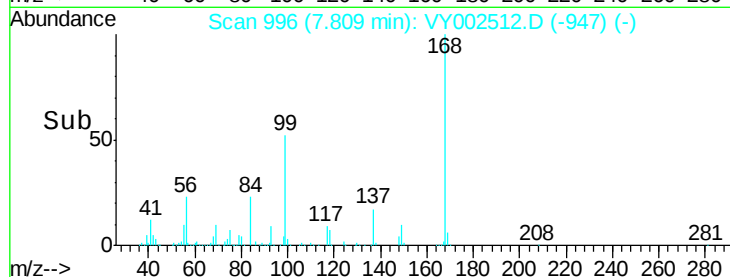
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50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 15.674 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.00 min

Lab File: VY002512.D

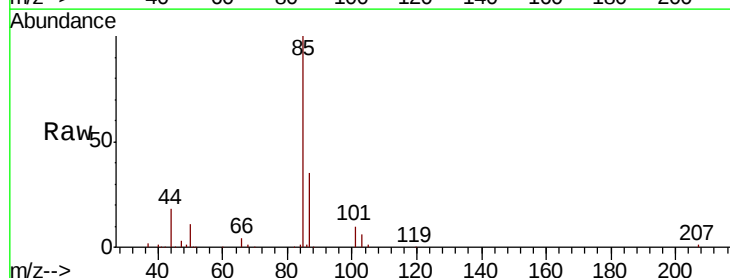
Acq: 30 Apr 2020 15:01

Tgt Ion: 85 Resp: 47323

Ion Ratio Lower Upper

85 100

87 35.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

30000

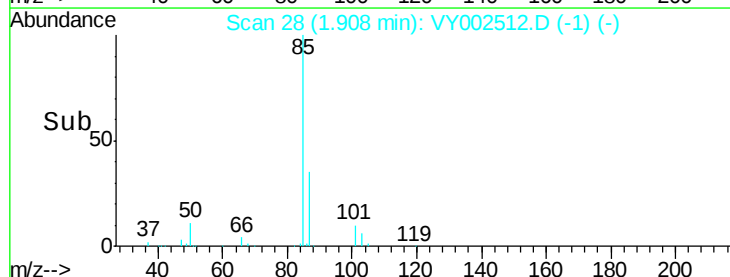
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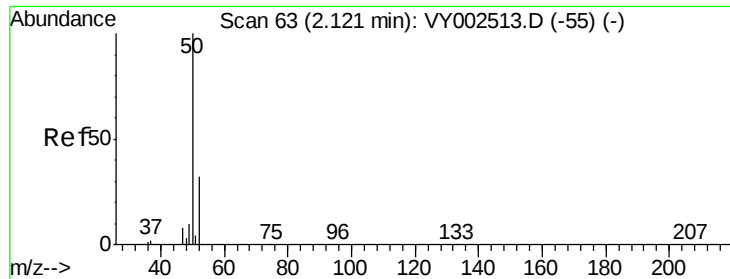
10000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 16.918 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 54490

Ion Ratio Lower Upper

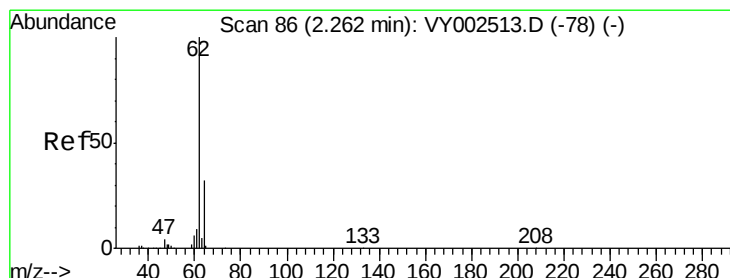
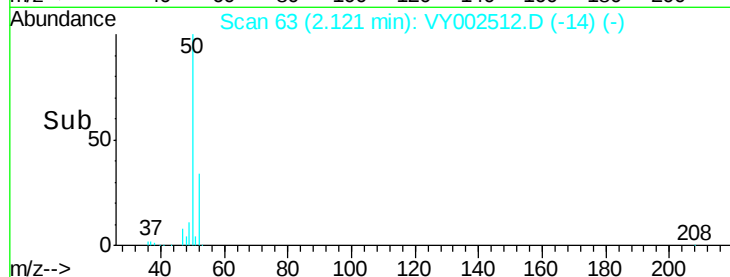
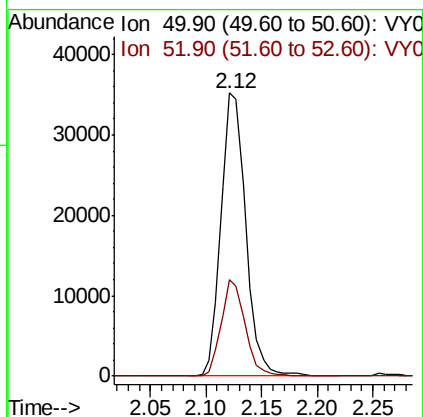
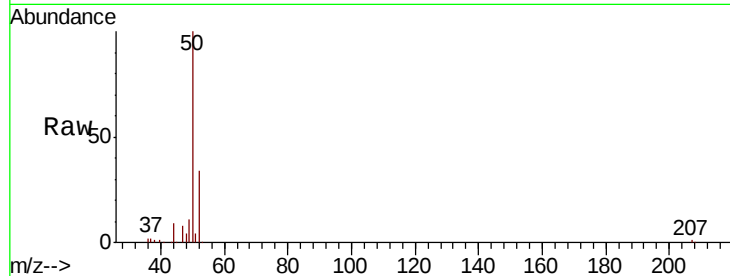
50 100

52 34.1 25.9 38.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 17.629 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY002512.D

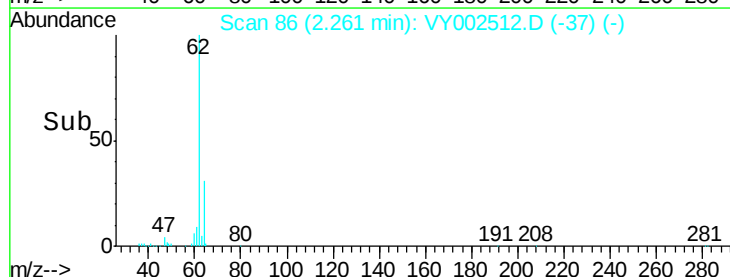
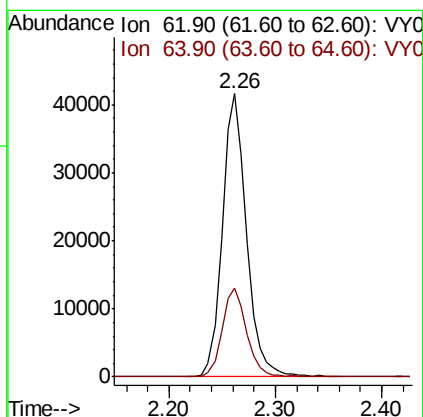
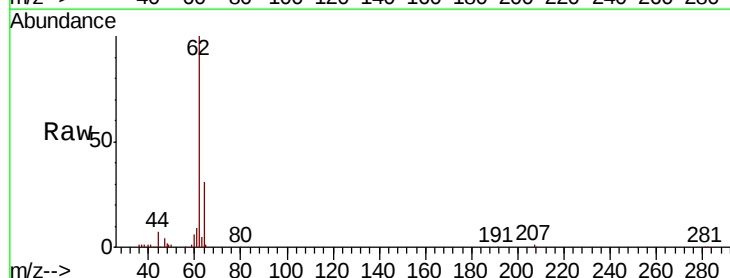
Acq: 30 Apr 2020 15:01

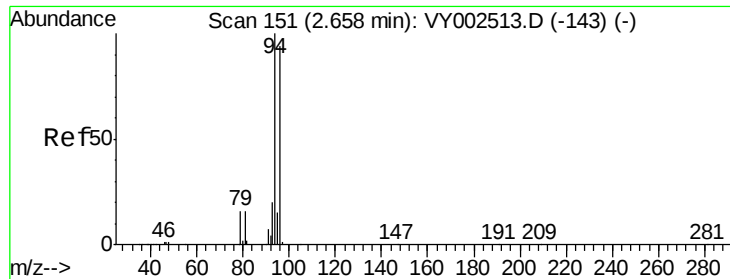
Tgt Ion: 62 Resp: 65566

Ion Ratio Lower Upper

62 100

64 31.4 25.3 37.9





#5

Bromomethane

Concen: 17.505 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 44897

Ion Ratio Lower Upper

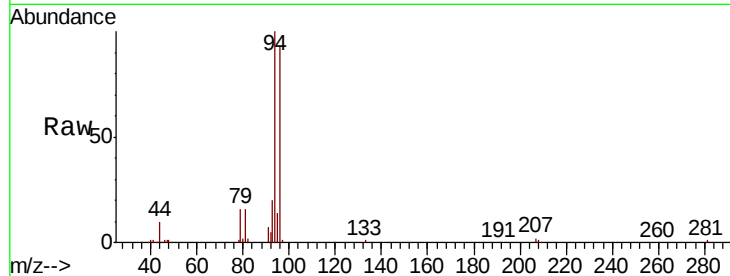
94 100

96 93.3 74.9 112.3

Manual Integrations
APPROVED

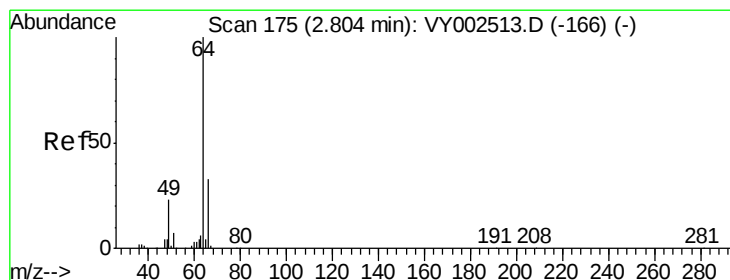
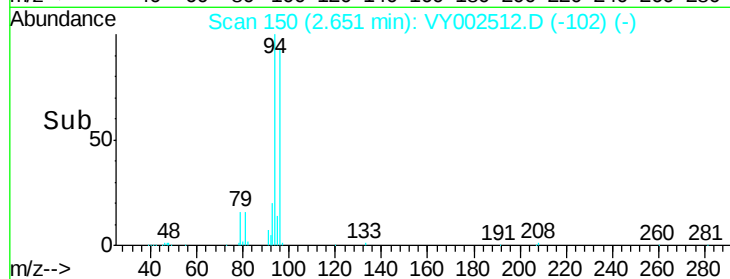
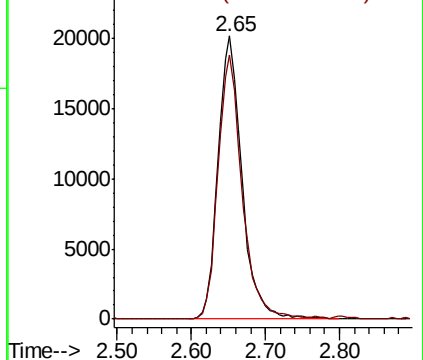
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 17.905 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY002512.D

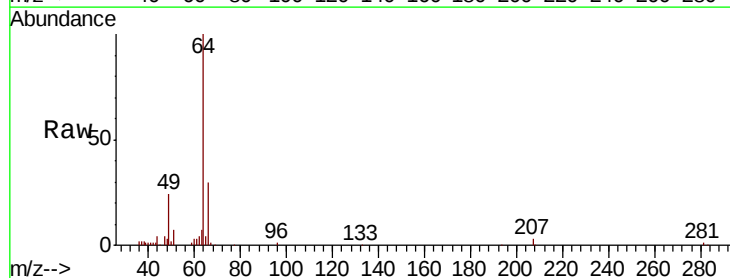
Acq: 30 Apr 2020 15:01

Tgt Ion: 64 Resp: 39762

Ion Ratio Lower Upper

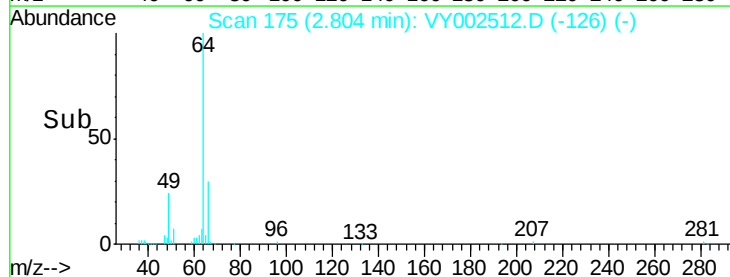
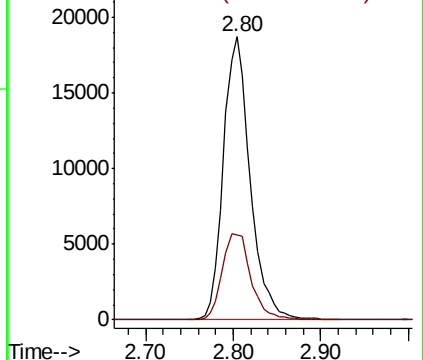
64 100

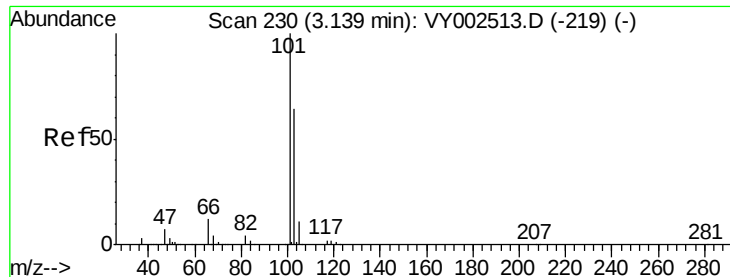
66 30.1 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

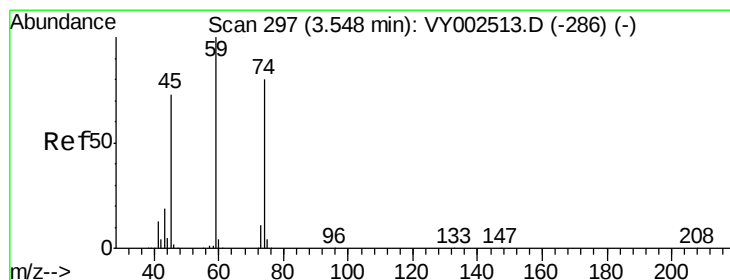
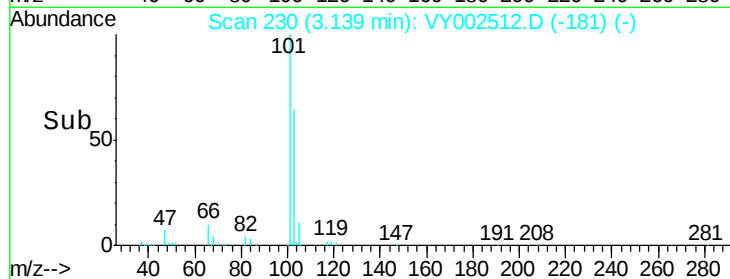
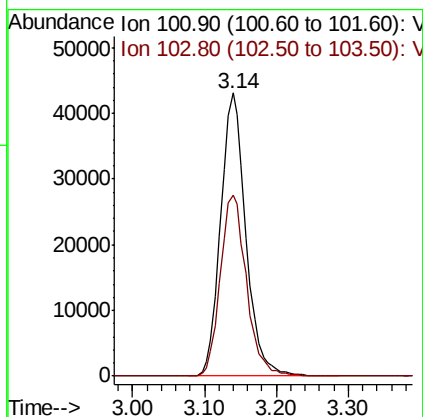
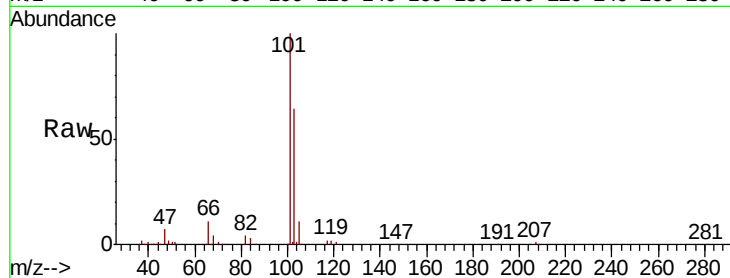
Trichlorofluoromethane
 Concen: 18.188 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VY002512.D
 Acq: 30 Apr 2020 15:01

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	104839		
103	63.9	51.4	77.0	

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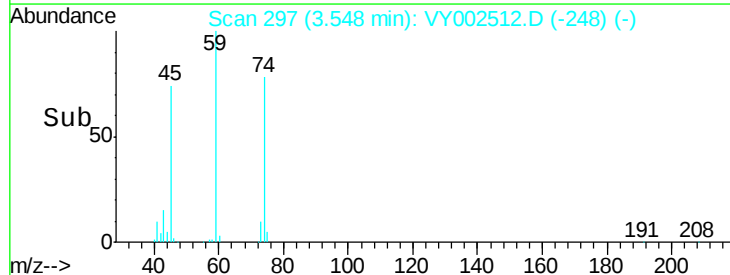
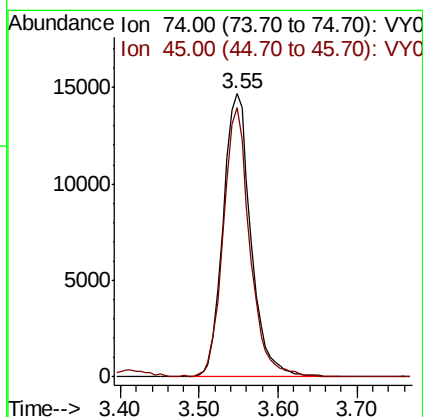
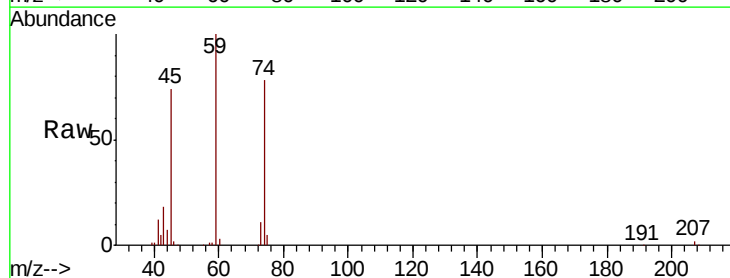
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 5/5/2020 4:31:05 PM

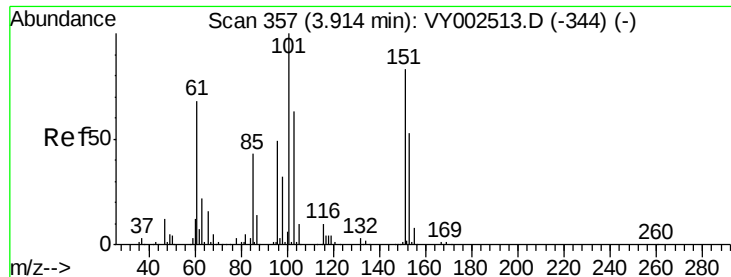


#8

Diethyl Ether
 Concen: 18.637 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. -0.00 min
 Lab File: VY002512.D
 Acq: 30 Apr 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	36101		
45	91.0	46.2	138.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.565 ug/l

RT: 3.92 min Scan# 358

Delta R.T. 0.01 min

Lab File: VY002512.D

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Instrument :

MSVOA_Y

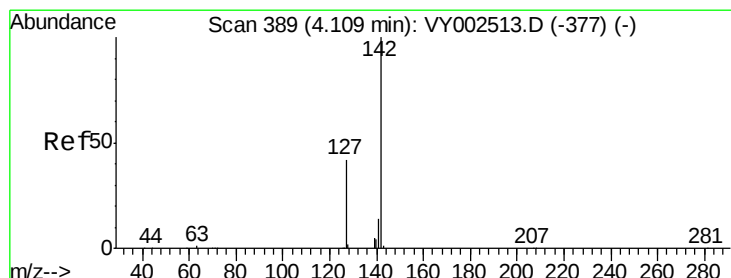
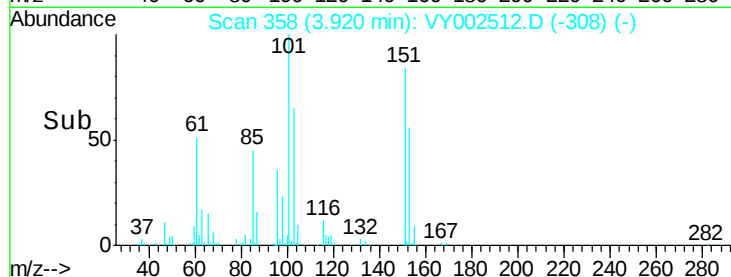
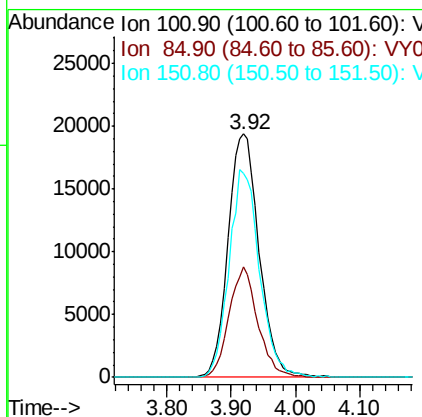
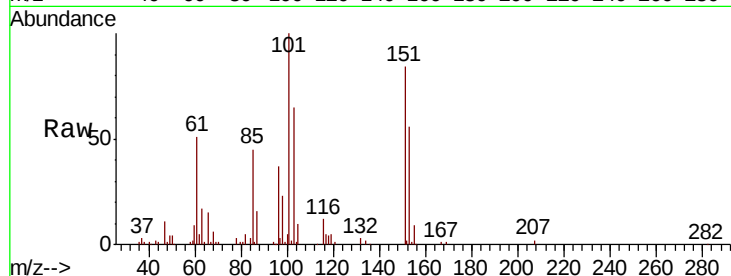
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	65402
Ion Ratio	Lower	Upper	
101	100		
85	41.8	33.4	50.2
151	83.5	66.8	100.2

Manual Integrations
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#10

Methyl Iodide

Concen: 18.256 ug/l

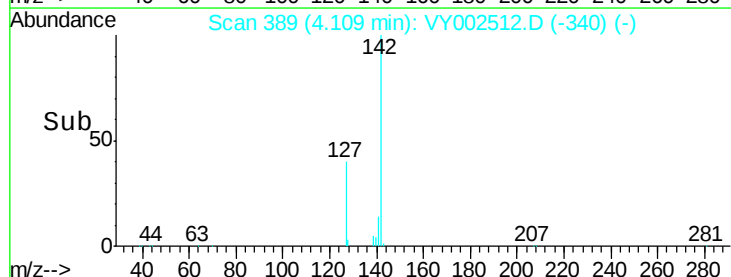
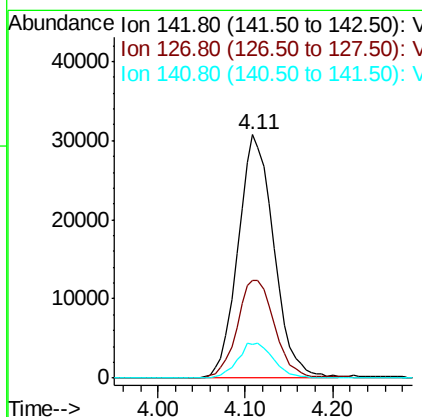
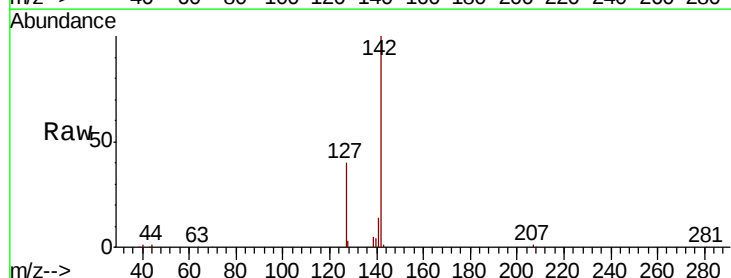
RT: 4.11 min Scan# 389

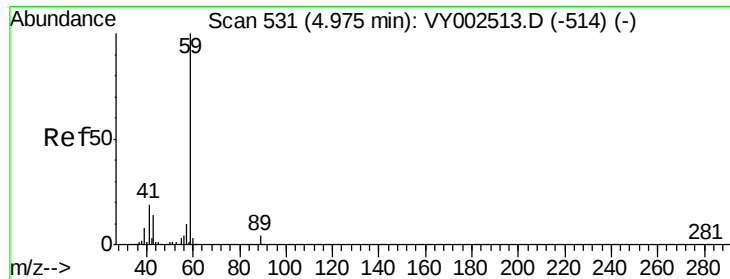
Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Tgt Ion:	142	Resp:	87618
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.7	50.5
141	14.6	11.4	17.0





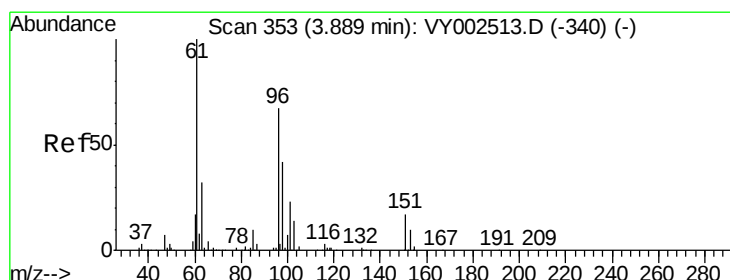
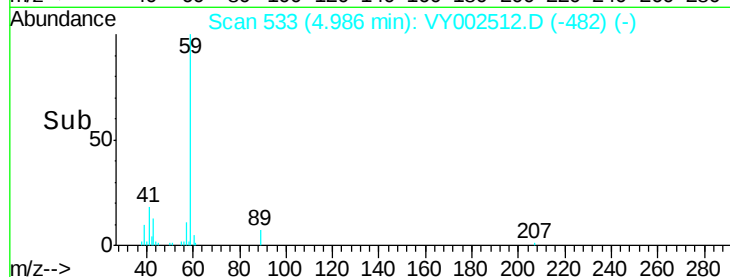
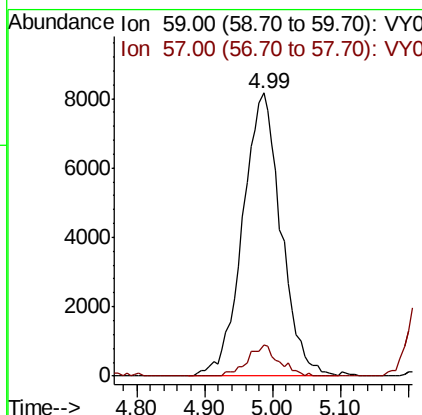
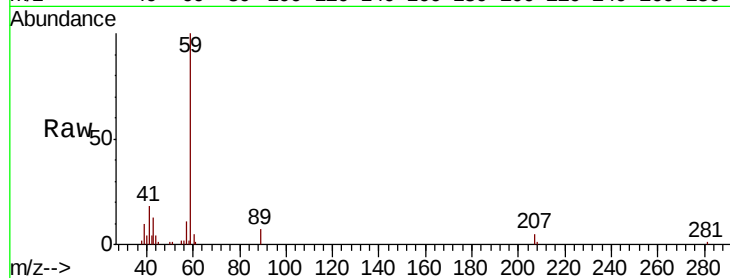
#11
Tert butyl alcohol
Concen: 93.012 ug/l
RT: 4.99 min Scan# 533
Delta R.T. 0.01 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.0	7.8	11.6

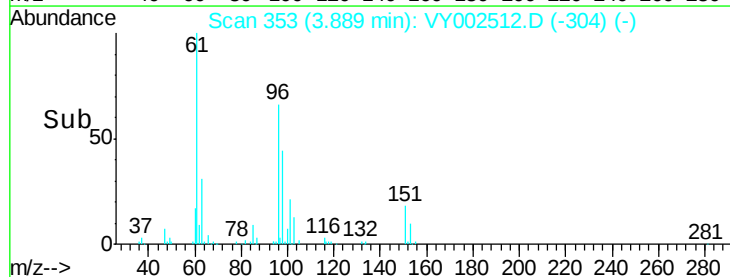
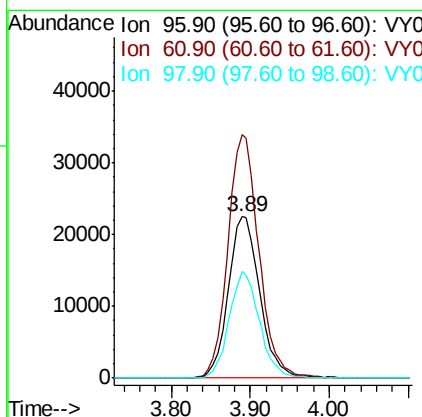
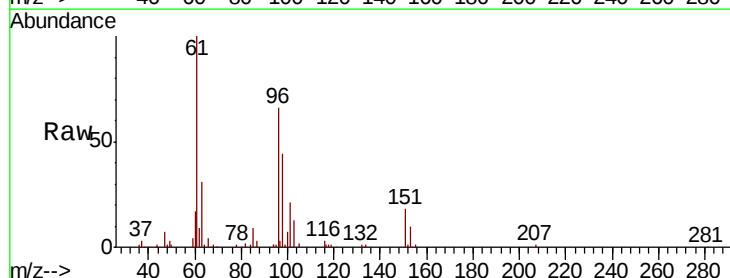
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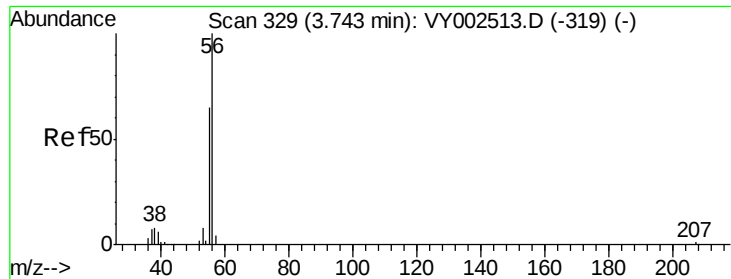
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.257 ug/l
RT: 3.89 min Scan# 353
Delta R.T. -0.00 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.1	118.8	178.2
98	66.0	49.6	74.4





#13

Acrolein

Concen: 88.297 ug/l

RT: 3.75 min Scan# 330

Delta R.T. 0.01 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 20998

Ion Ratio Lower Upper

56 100

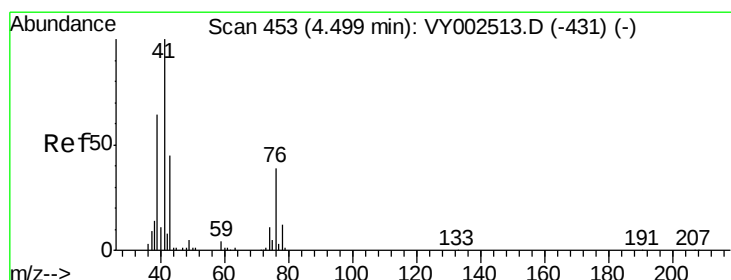
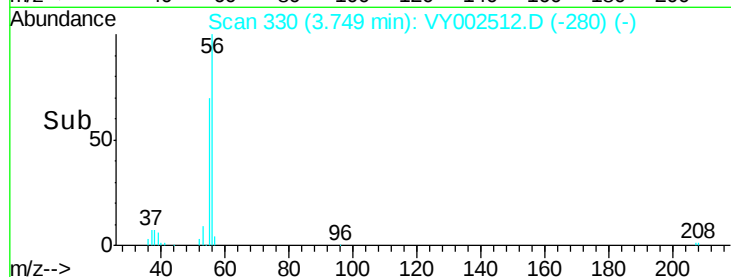
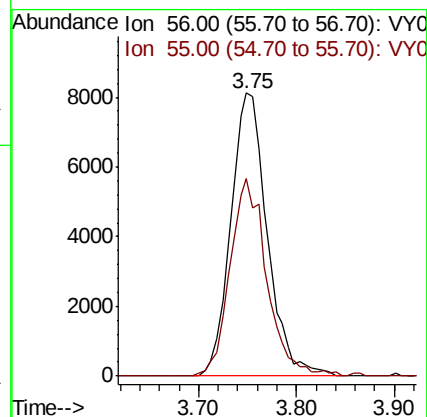
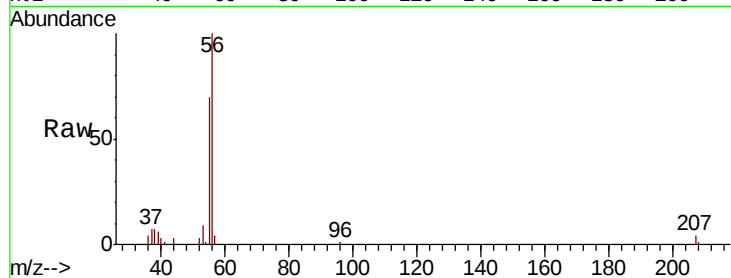
55 70.4 53.8 80.6

Manual Integrations

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#14

Allyl chloride

Concen: 18.667 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

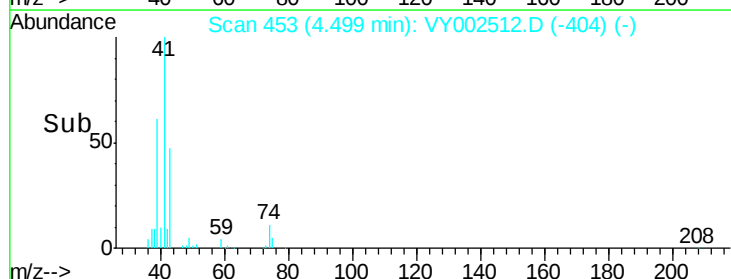
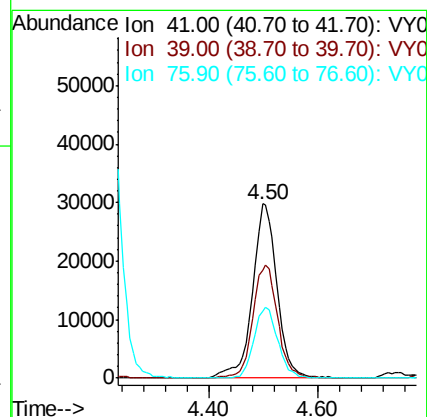
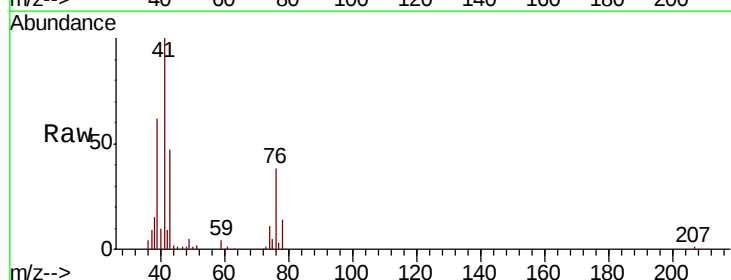
Tgt Ion: 41 Resp: 93079

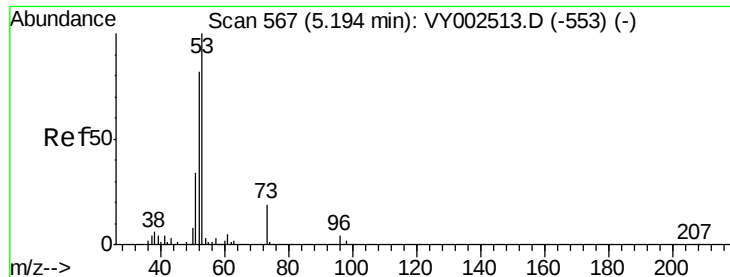
Ion Ratio Lower Upper

41 100

39 65.8 51.8 77.6

76 39.5 31.7 47.5





#15

Acrylonitrile

Concen: 94.690 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Instrument :

MSVOA_Y

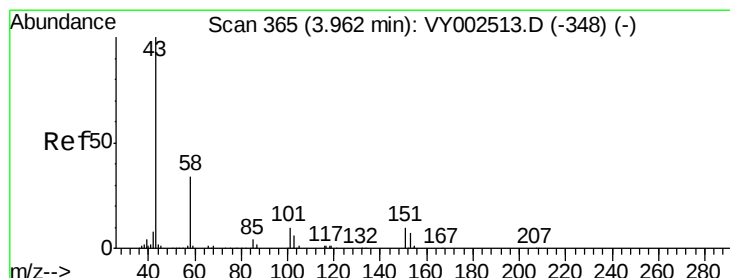
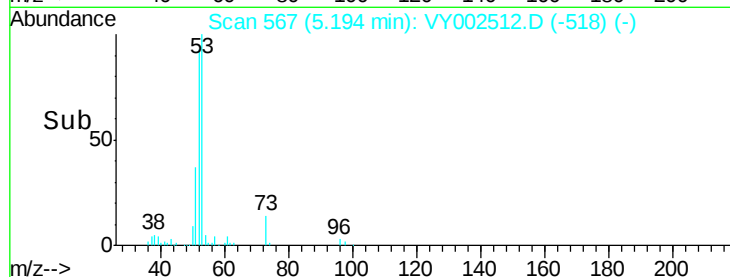
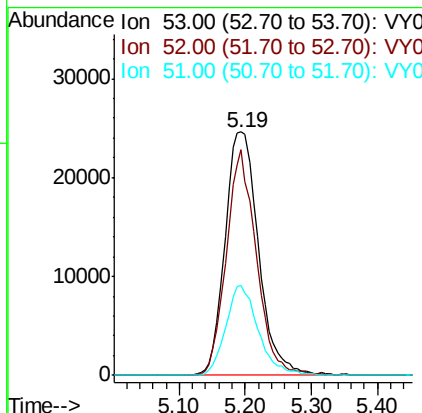
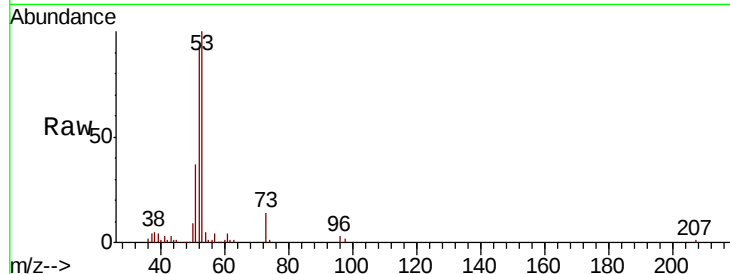
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	86496
Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.4	98.0
51	35.8	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 92.002 ug/l

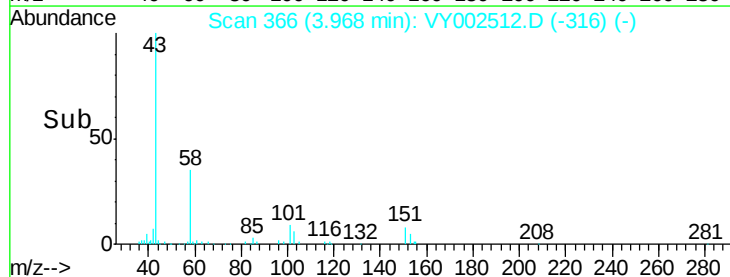
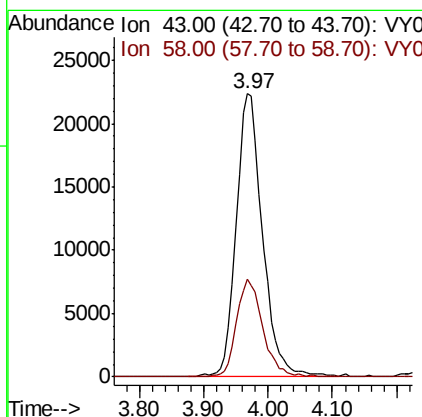
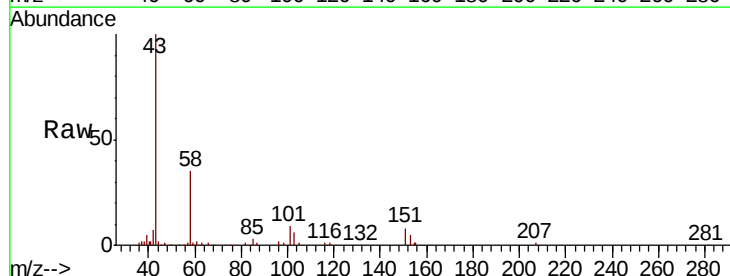
RT: 3.97 min Scan# 366

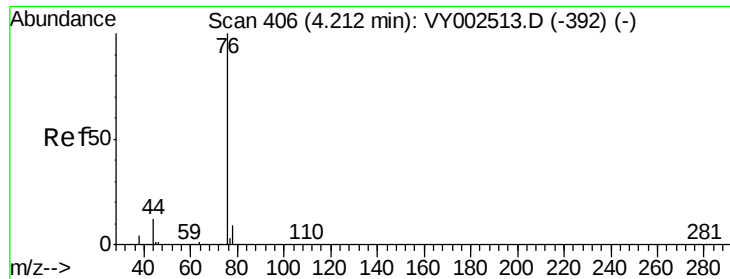
Delta R.T. 0.01 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Tgt Ion:	43	Resp:	63468
Ion	Ratio	Lower	Upper
43	100		
58	34.7	26.9	40.3





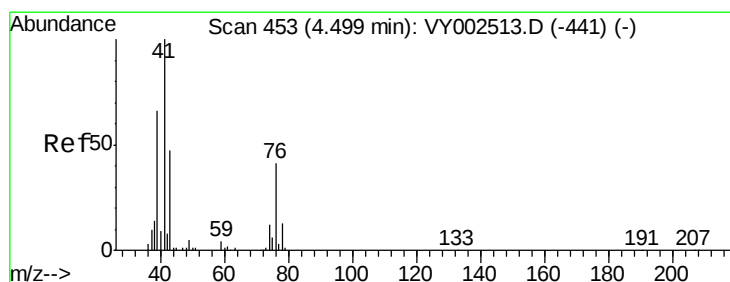
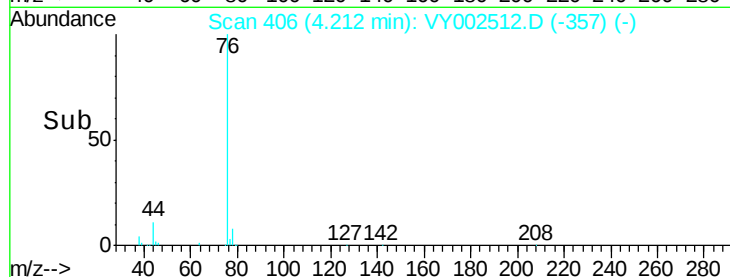
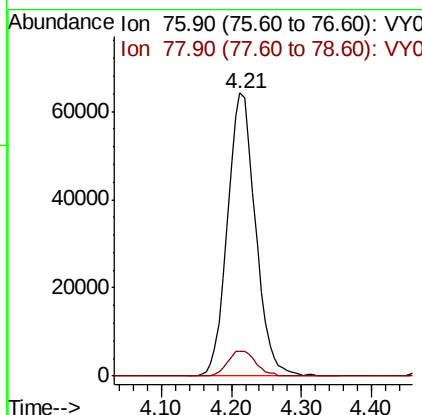
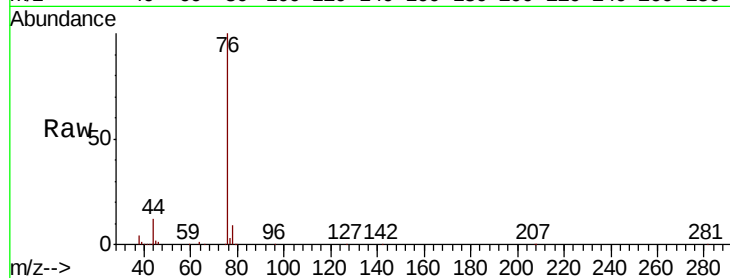
#17
Carbon Disulfide
Concen: 17.360 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.00 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.2

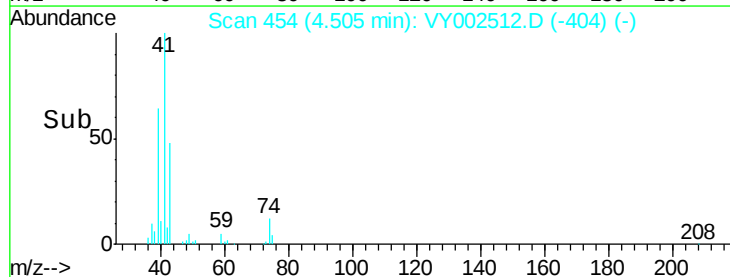
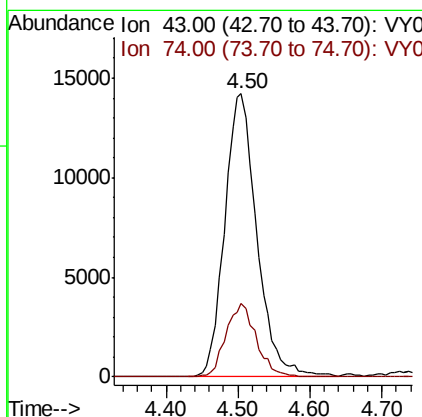
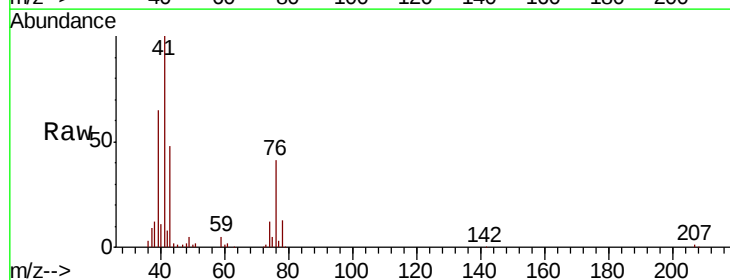
Manual Integrations
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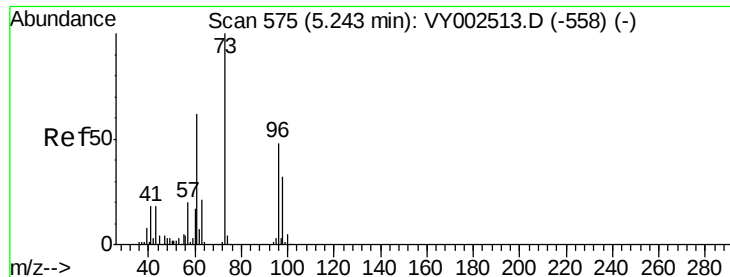
MMDadoda
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#18
Methyl Acetate
Concen: 19.154 ug/l
RT: 4.50 min Scan# 454
Delta R.T. 0.01 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	21.2	31.8





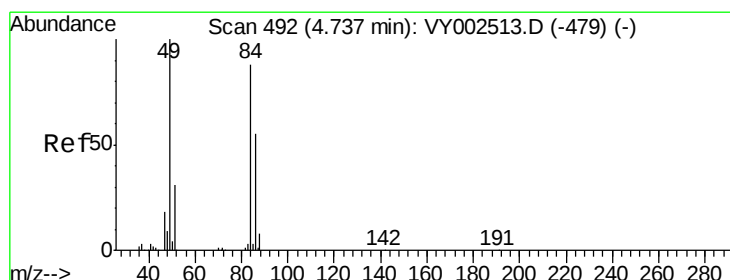
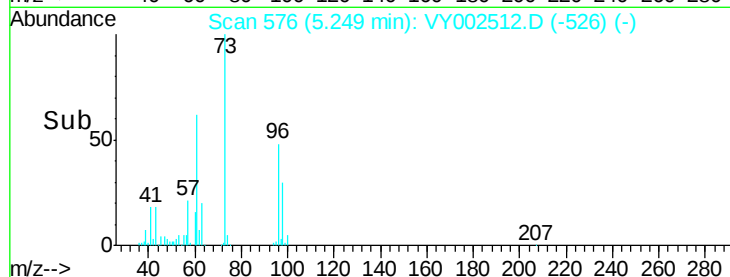
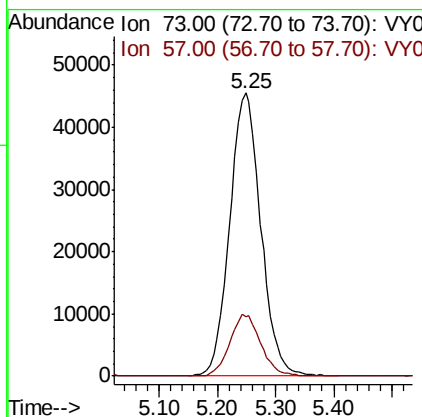
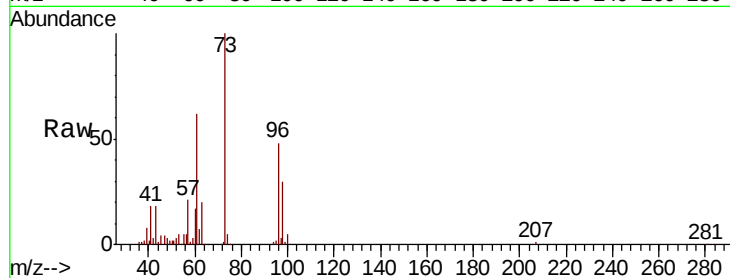
#19
Methvl tert-butvl Ether
Concen: 18.864 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.01 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	16.3	24.5

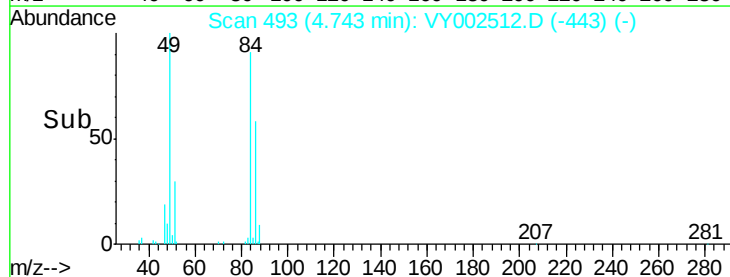
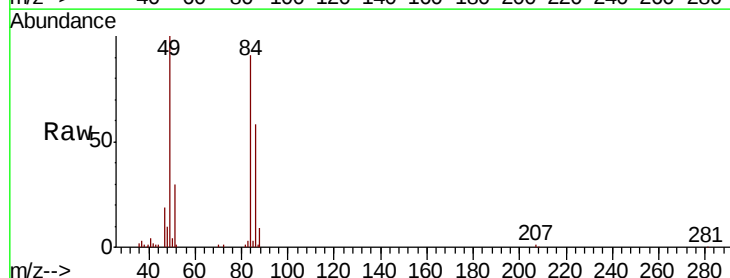
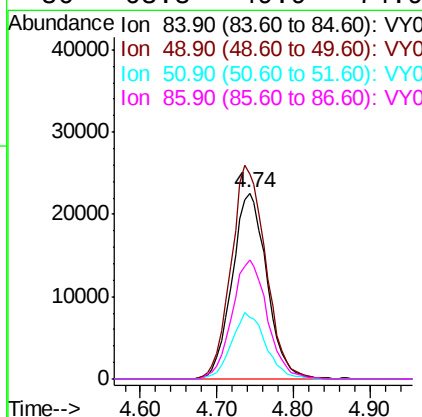
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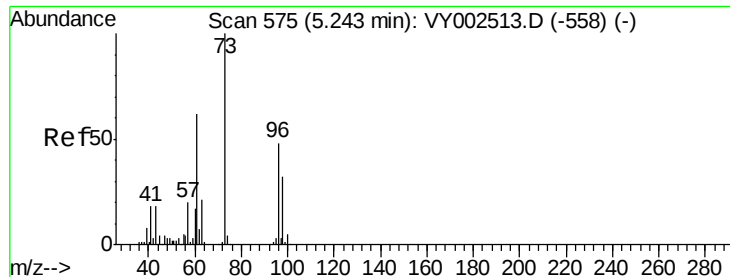
MMDadoda
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#20
Methylene Chloride
Concen: 18.452 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.0	90.5	135.7
51	33.3	28.3	42.5
86	63.8	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 18.726 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Instrument :

MSVOA_Y

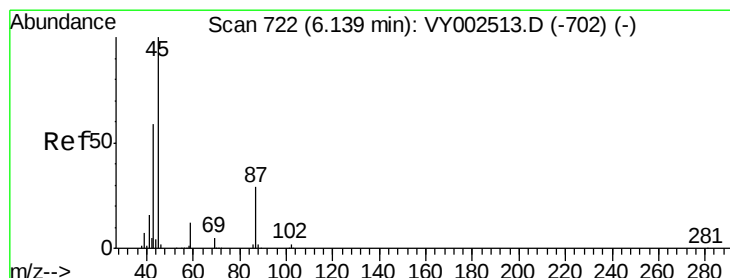
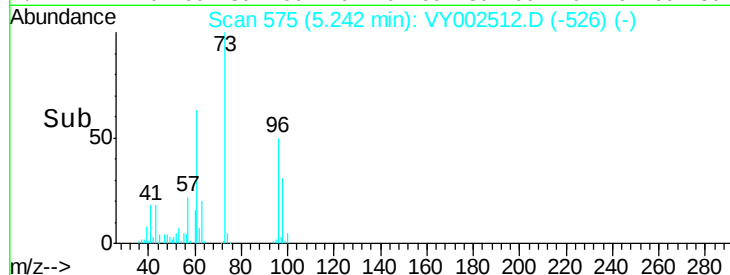
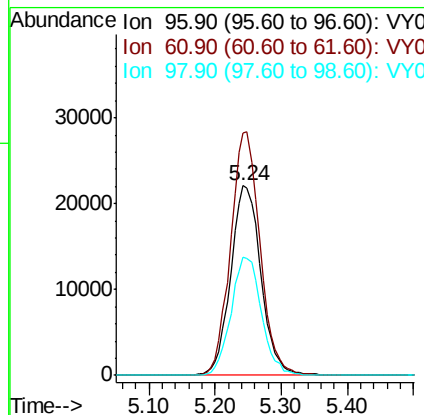
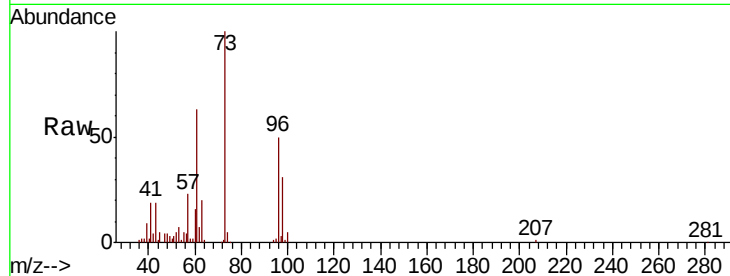
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	70046
Ion	Ratio	Lower	Upper
96	100		
61	127.4	102.0	153.0
98	62.0	53.0	79.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.767 ug/l

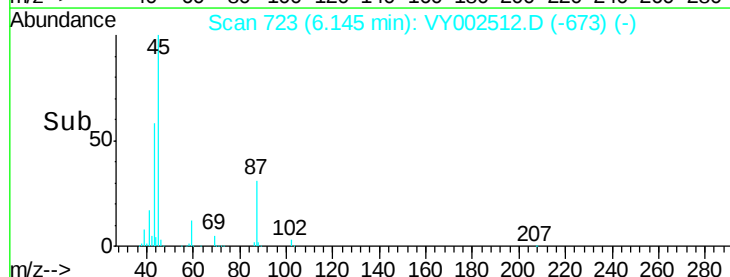
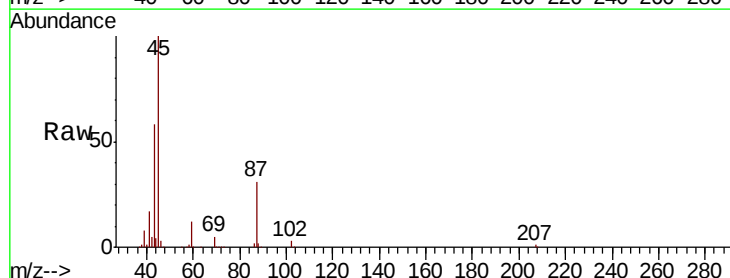
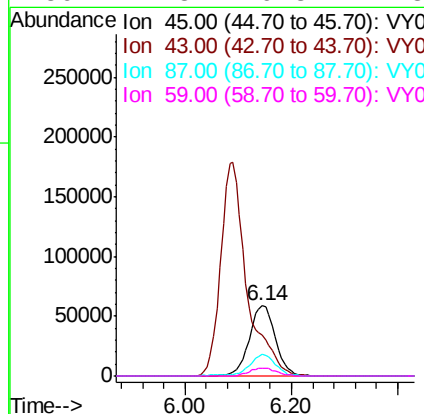
RT: 6.14 min Scan# 723

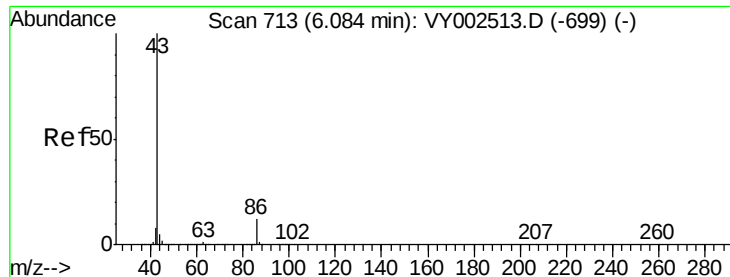
Delta R.T. 0.01 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Tgt Ion:	45	Resp:	199439
Ion	Ratio	Lower	Upper
45	100		
43	58.3	47.4	71.0
87	30.5	24.0	36.0
59	11.8	9.8	14.8





#23

Vinyl Acetate

Concen: 96.548 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.01 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 612609

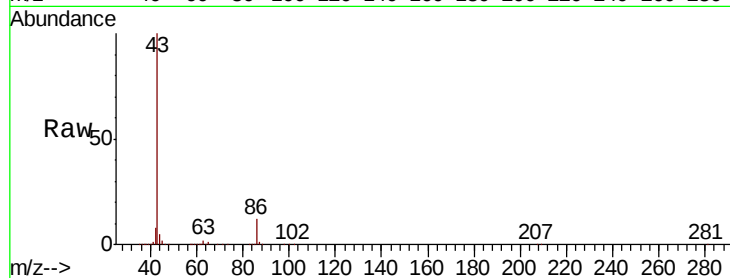
Ion Ratio Lower Upper

43 100

86 12.3 9.8 14.6

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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

200000

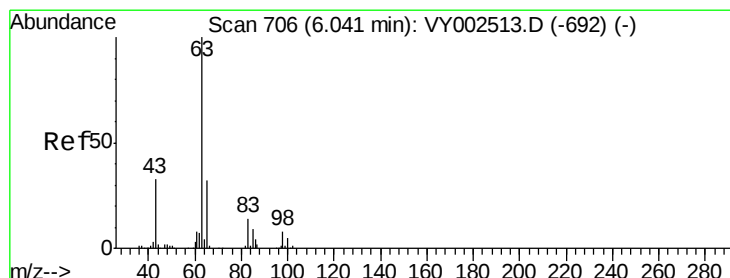
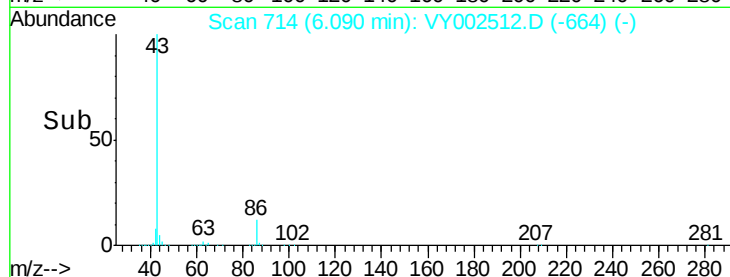
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.900 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

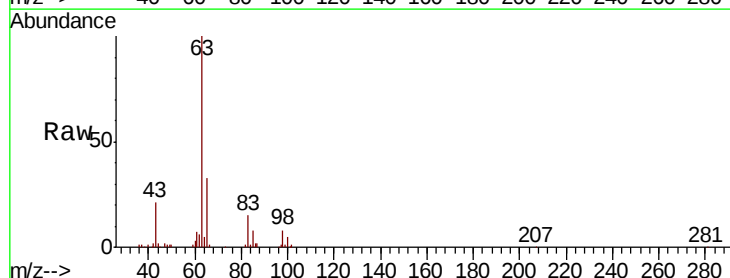
Tgt Ion: 63 Resp: 112809

Ion Ratio Lower Upper

63 100

98 7.9 3.9 11.7

100 4.8 2.4 7.2



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

6.04

50000

40000

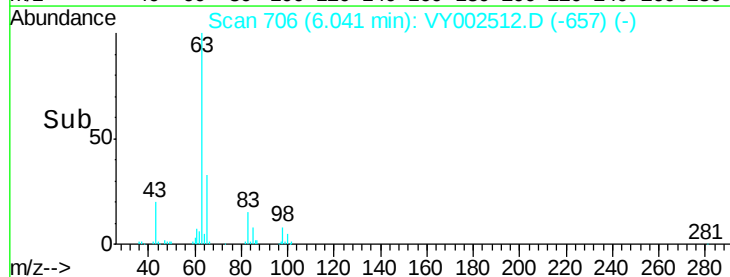
30000

20000

10000

0

Time-->





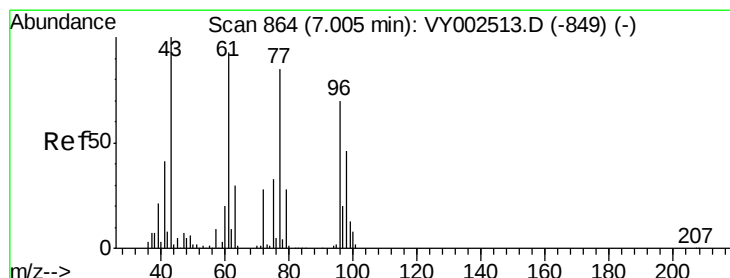
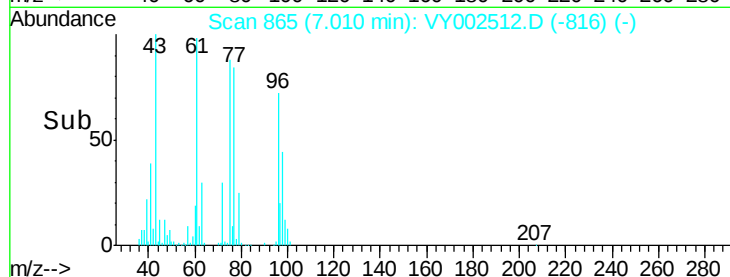
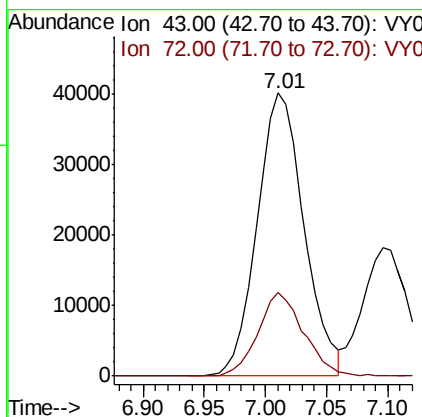
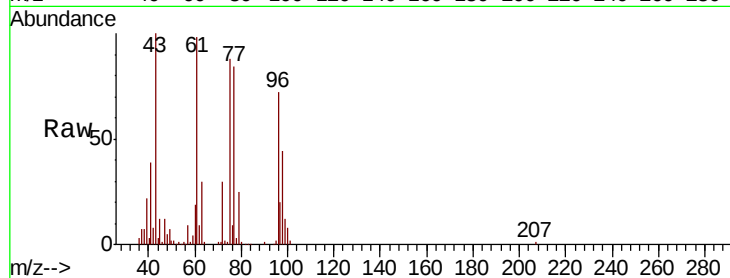
#25
2-Butanone
Concen: 94.792 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.00 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	107044
Ion Ratio	Lower	Upper	
43	100		
72	29.6	24.1	36.1

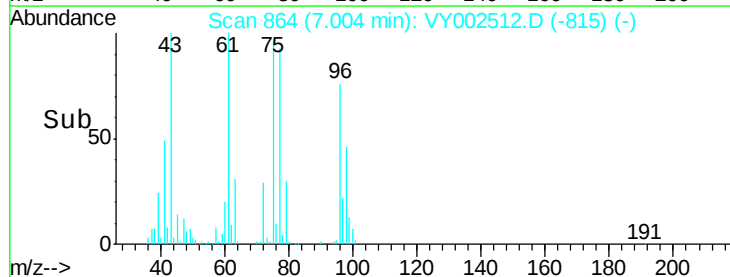
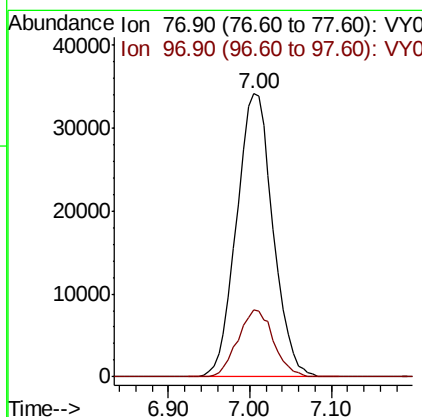
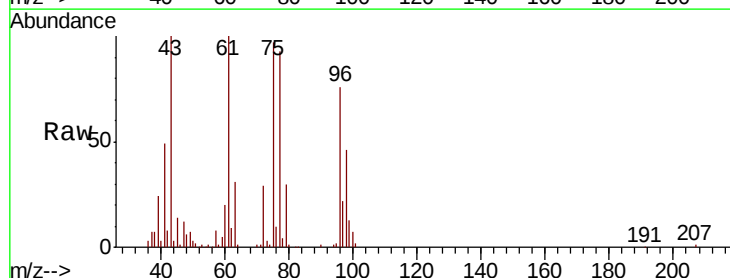
Manual Integrations
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#26
2,2-Dichloropropane
Concen: 18.595 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.00 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Tgt Ion	77	Resp	105497
Ion Ratio	Lower	Upper	
77	100		
97	23.3	11.9	35.5





#27

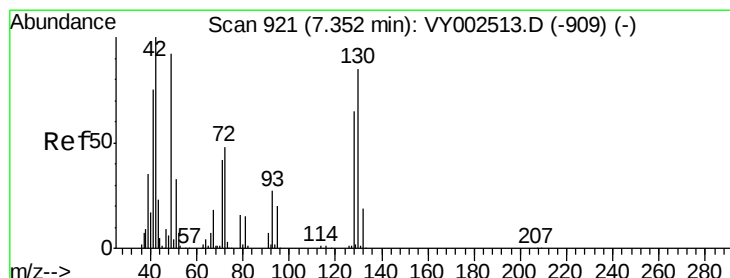
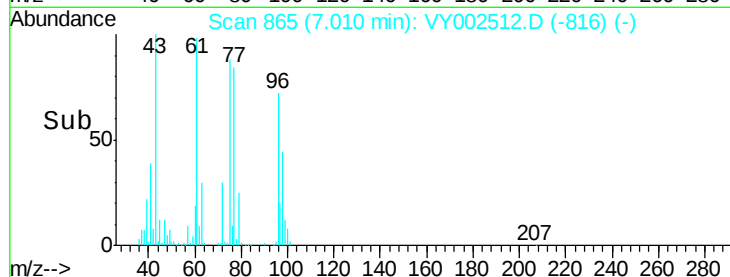
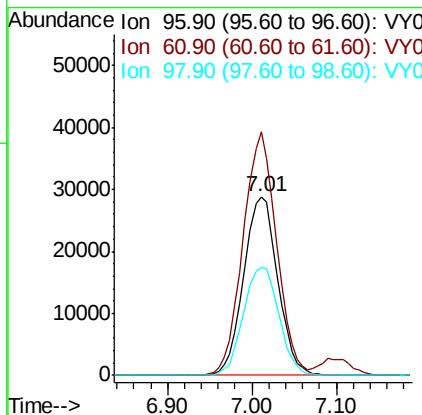
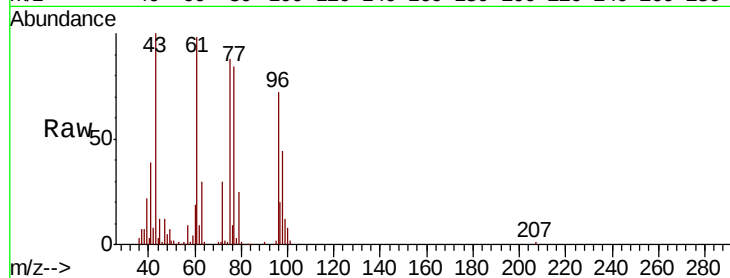
cis-1,2-Dichloroethene
 Concen: 19.051 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VY002512.D
 Acq: 30 Apr 2020 15:01

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.0	0.0	266.6
98	63.1	0.0	129.2

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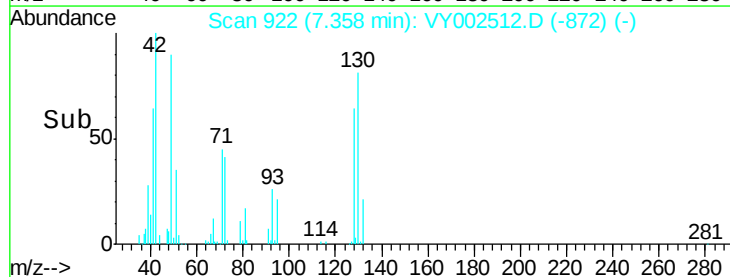
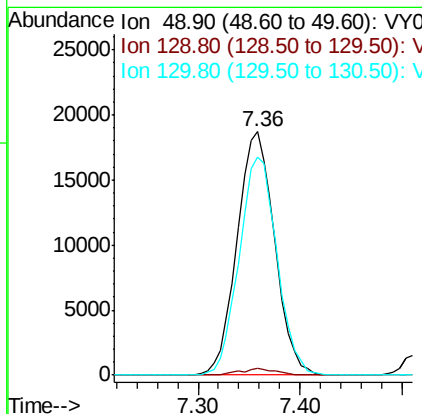
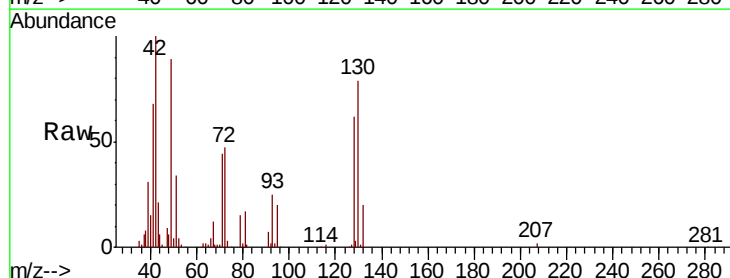
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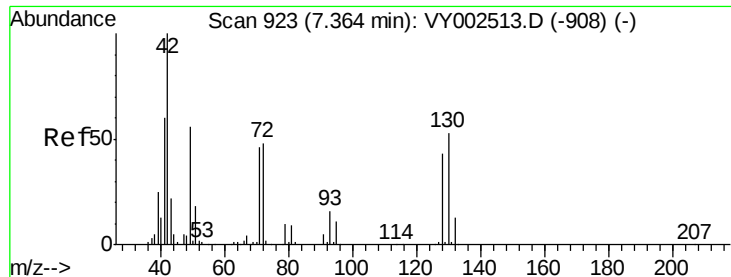


#28

Bromochloromethane
 Concen: 19.527 ug/l
 RT: 7.36 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VY002512.D
 Acq: 30 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	90.4	72.5	108.7





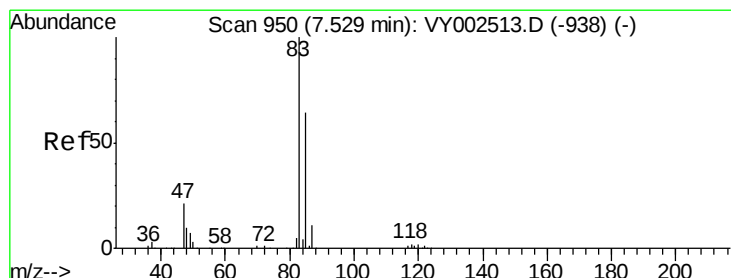
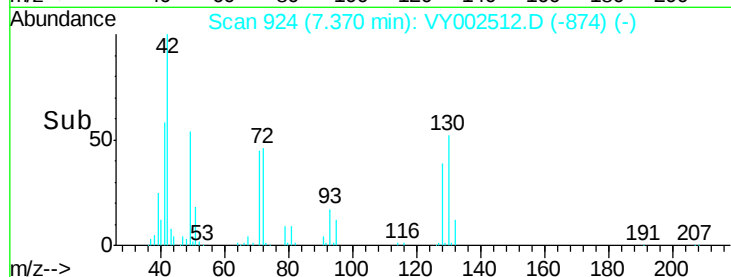
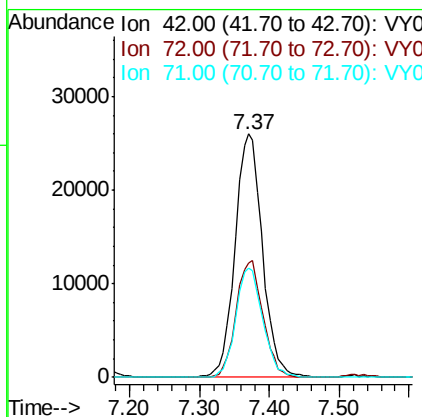
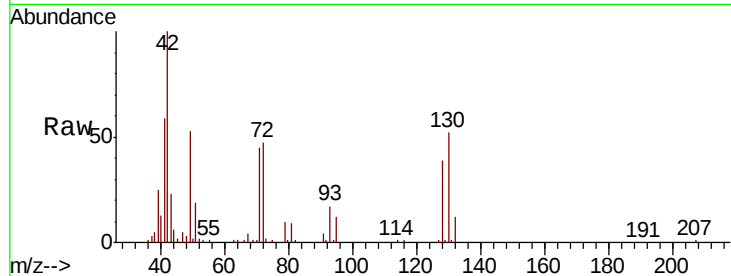
#29
Tetrahydrofuran
Concen: 94.621 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	37.4	56.2
71	44.1	35.0	52.4

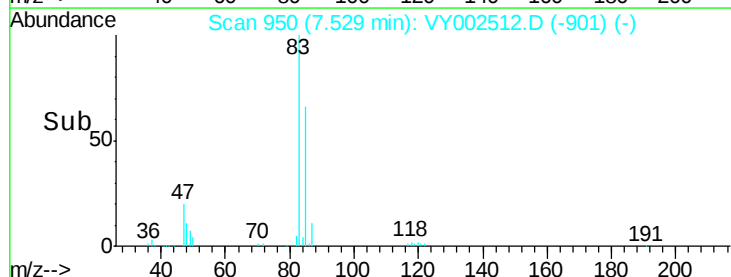
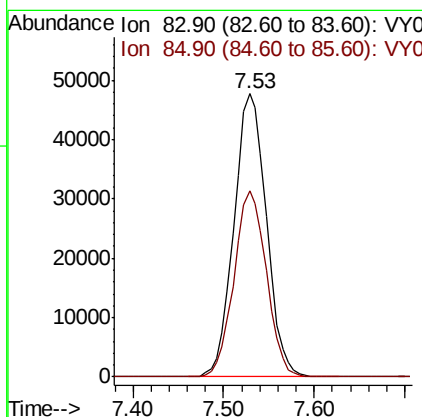
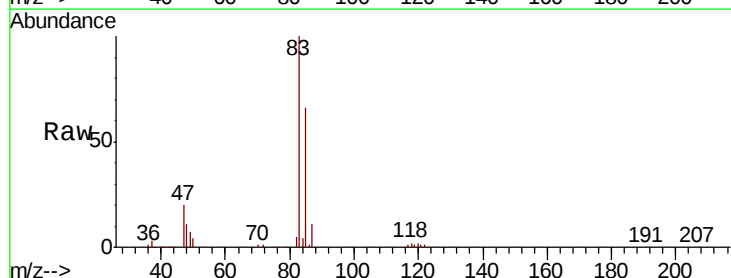
Manual Integrations
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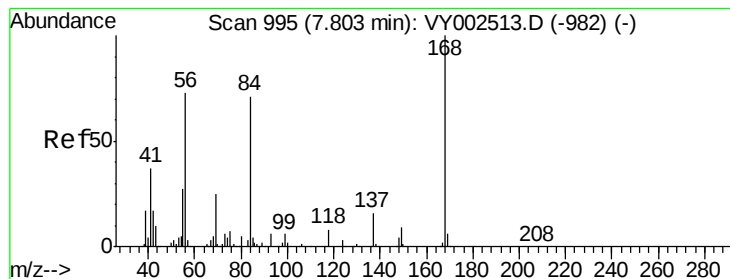
MMDadoda
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#30
Chloroform
Concen: 19.036 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.00 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.5	77.3





#31

Cyclohexane

Concen: 18.052 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Instrument :

MSVOA_Y

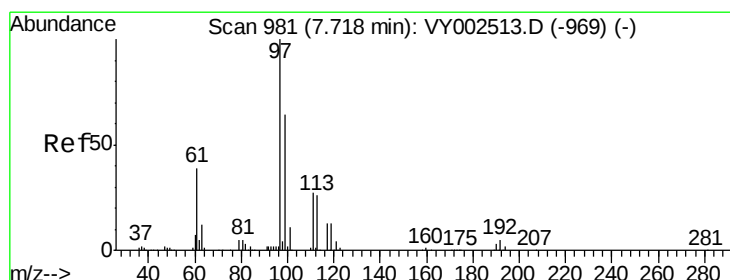
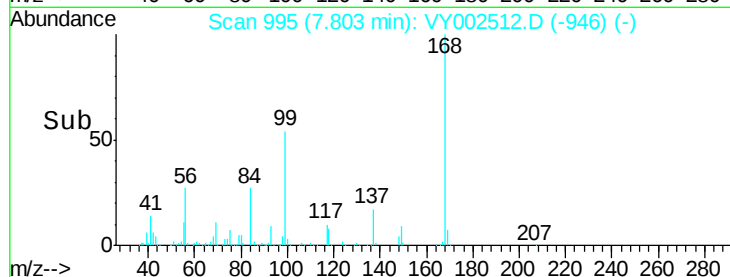
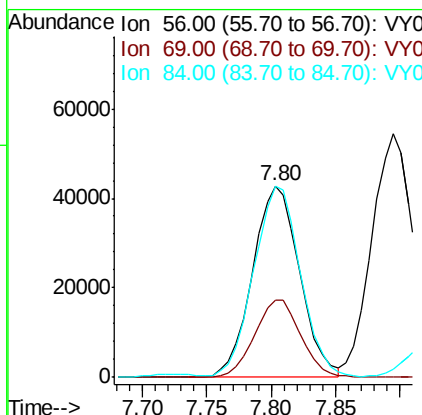
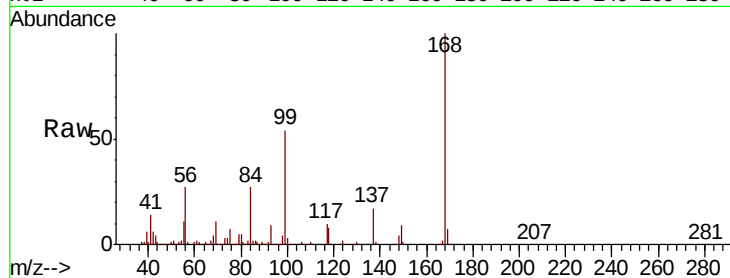
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	108455
Ion	Ratio	Lower	Upper
56	100		
69	40.6	27.6	41.4
84	98.6	77.7	116.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.796 ug/l

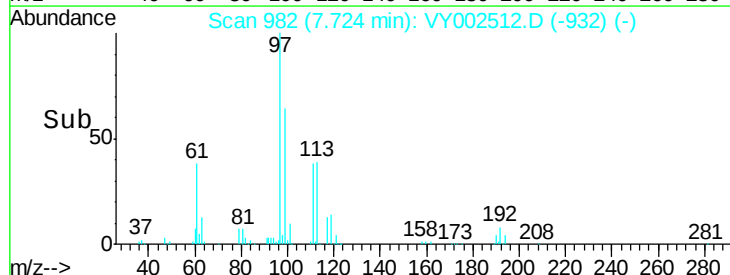
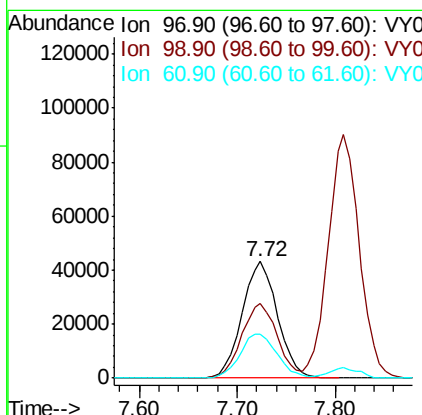
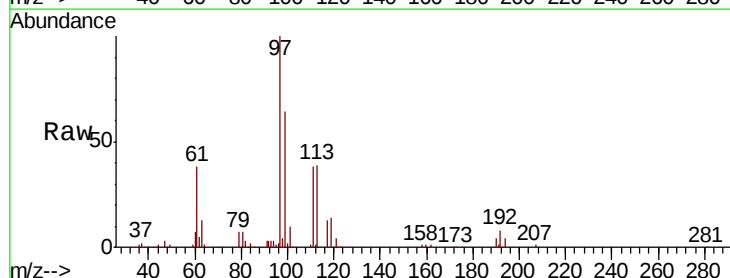
RT: 7.72 min Scan# 982

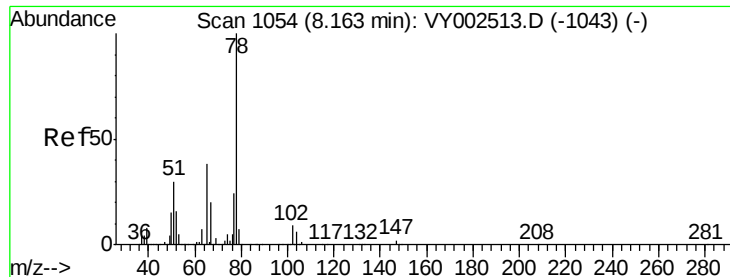
Delta R.T. 0.01 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Tgt Ion:	97	Resp:	108425
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.9	77.9
61	39.3	31.0	46.6





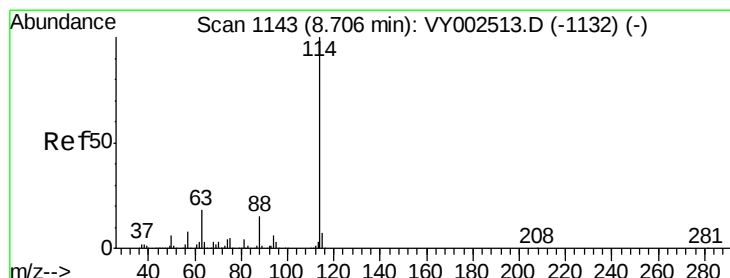
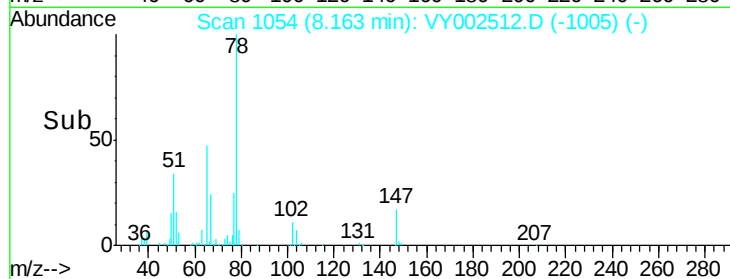
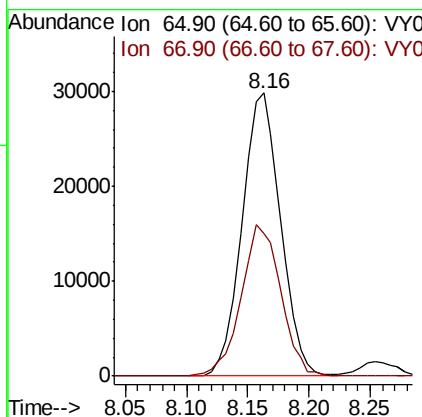
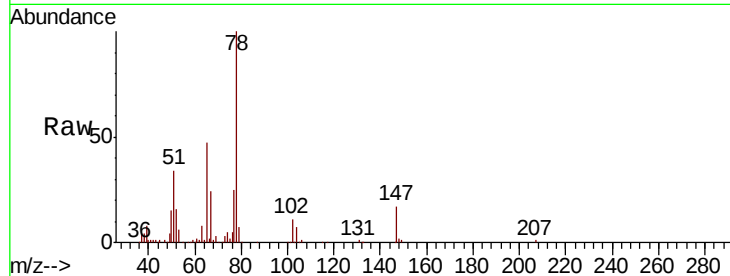
#33
 1,2-Dichloroethane-d4
 Concen: 19.534 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VY002512.D
 Acq: 30 Apr 2020 15:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	65296		
67	55.0	0.0	107.2	

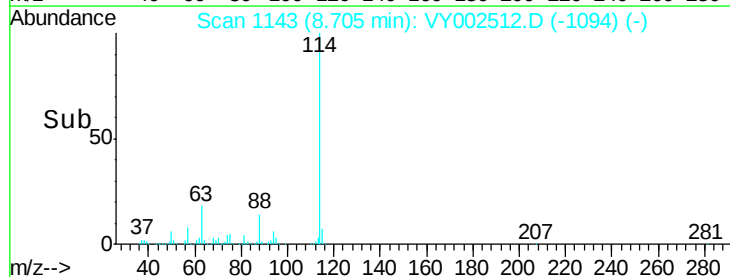
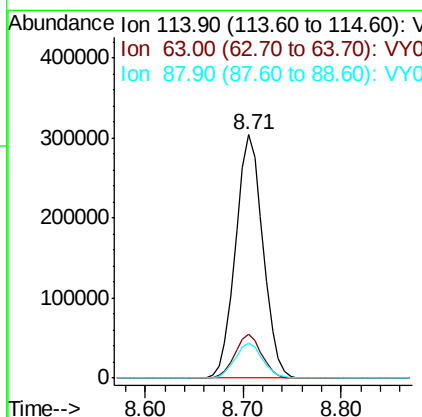
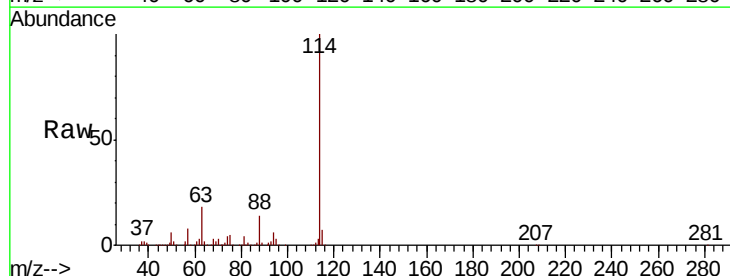
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VY002512.D
 Acq: 30 Apr 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	590779		
63	18.2	0.0	36.4	
88	14.5	0.0	29.6	





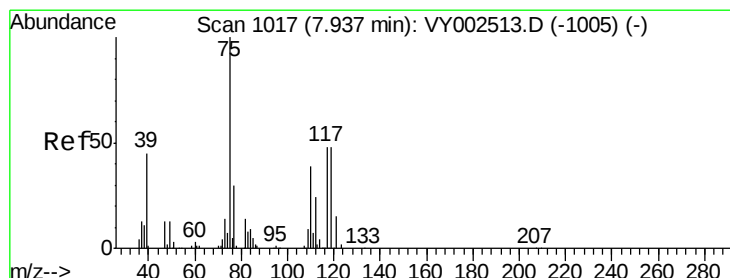
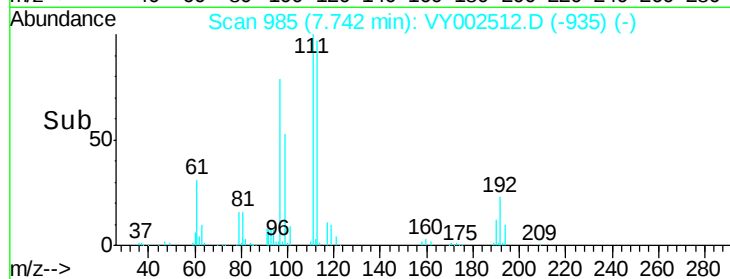
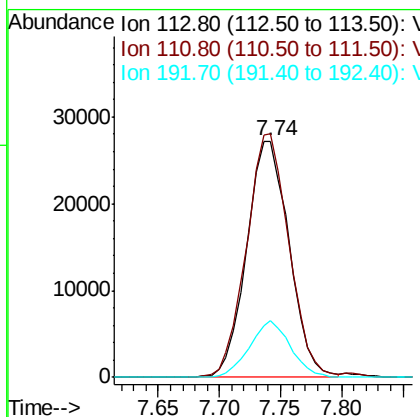
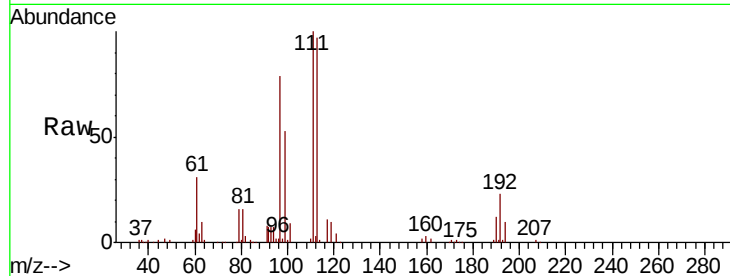
#35
 Dibromofluoromethane
 Concen: 19.471 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002512.D
 Acq: 30 Apr 2020 15:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion:113	Resp:	65786
Ion Ratio	Lower	Upper
113 100		
111 102.8	81.8	122.6
192 23.2	18.2	27.4

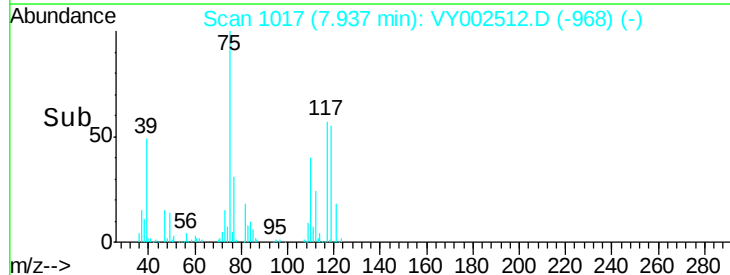
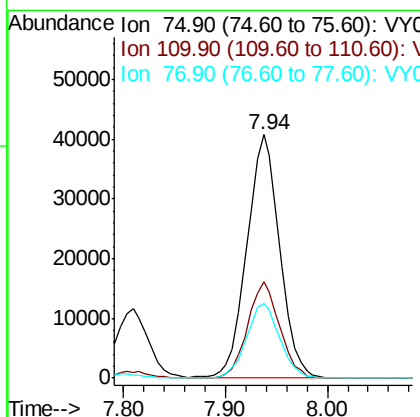
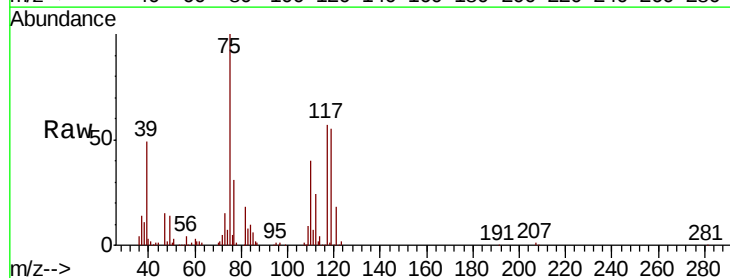
Manual Integrations
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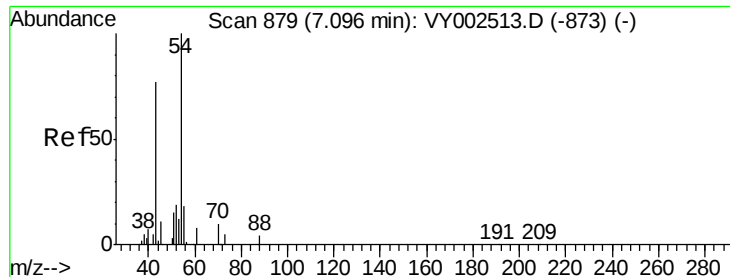
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#36
 1,1-Dichloropropene
 Concen: 18.376 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VY002512.D
 Acq: 30 Apr 2020 15:01

Tgt Ion: 75	Resp:	91008
Ion Ratio	Lower	Upper
75 100		
110 38.7	19.1	57.3
77 31.3	24.6	37.0





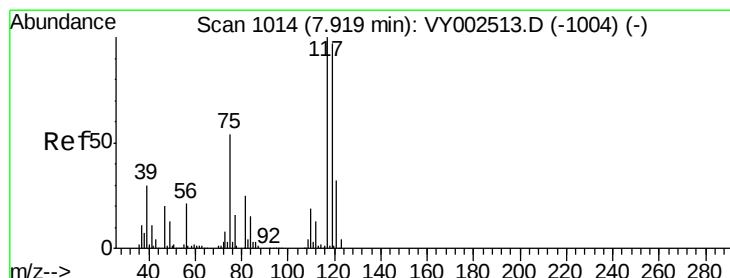
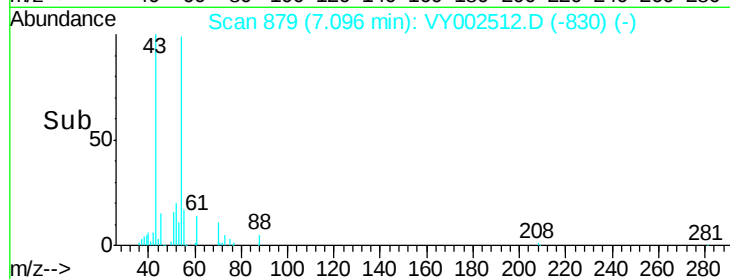
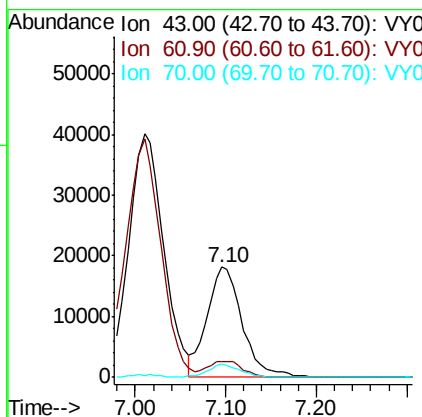
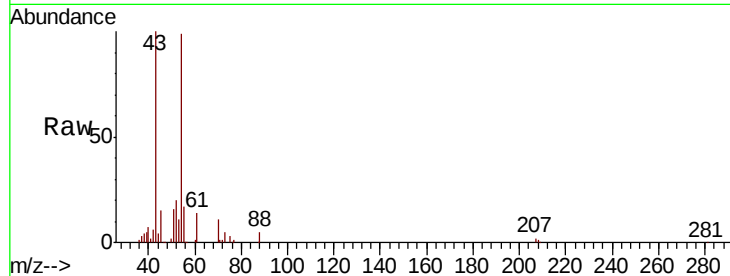
#37
Ethyl Acetate
Concen: 19.321 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.00 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion:	43	Resp:	49172
Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.6	17.4
70	10.8	9.0	13.6

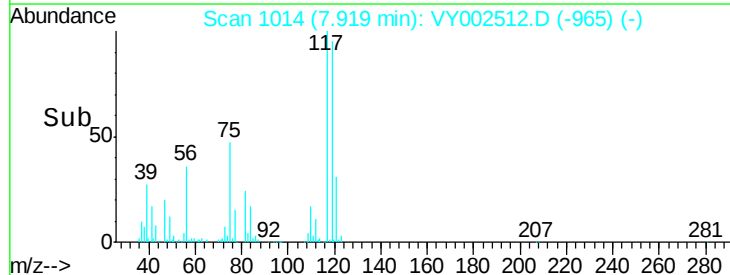
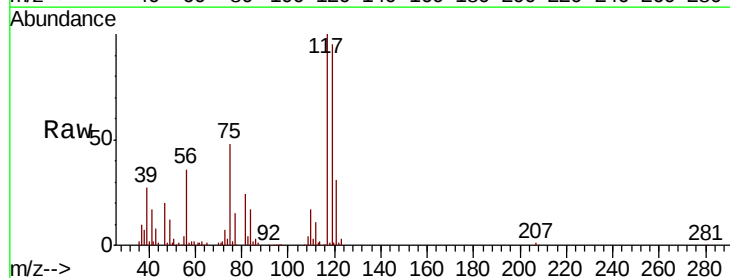
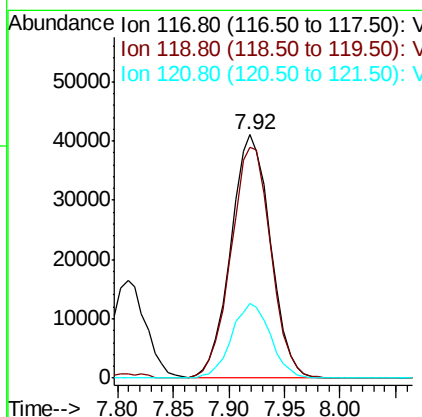
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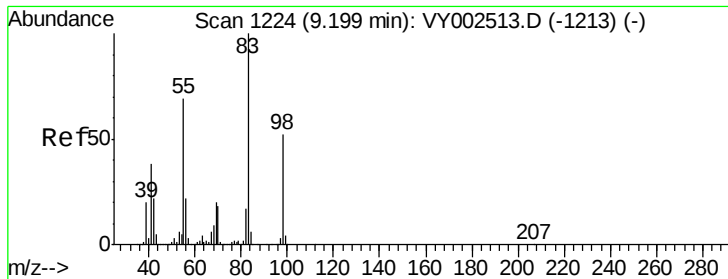
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#38
Carbon Tetrachloride
Concen: 18.748 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Tgt Ion:	117	Resp:	101372
Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.1	115.7
121	30.9	25.2	37.8





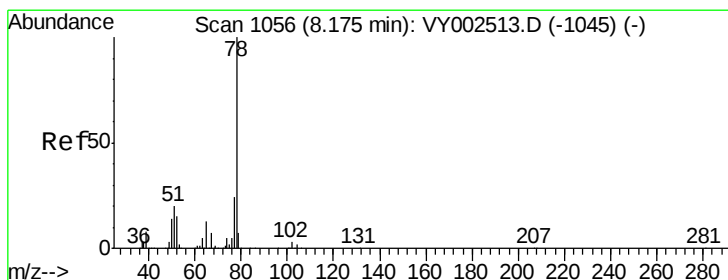
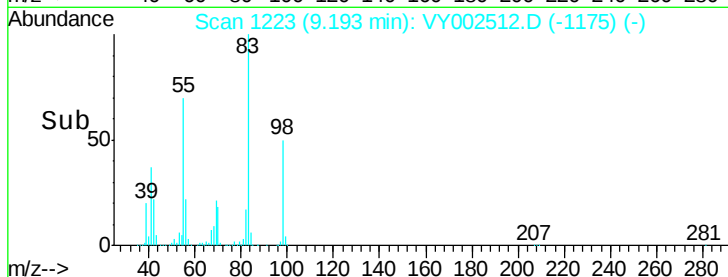
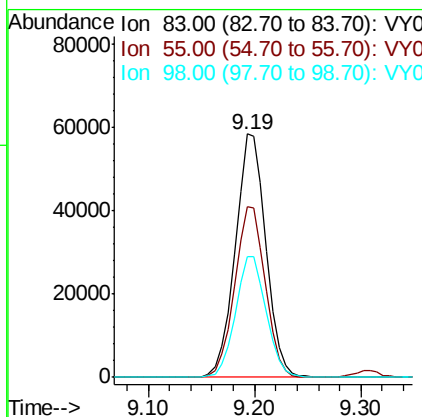
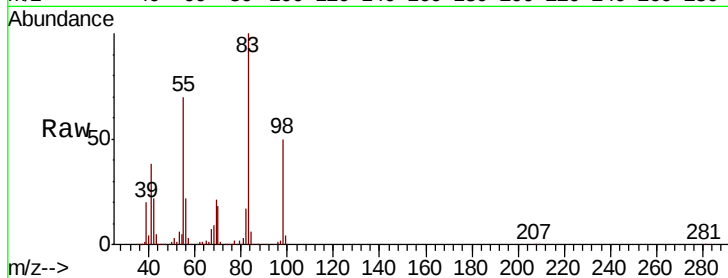
#39
Methvlcvclohexane
Concen: 17.989 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.0	55.4	83.0
98	49.6	41.3	61.9

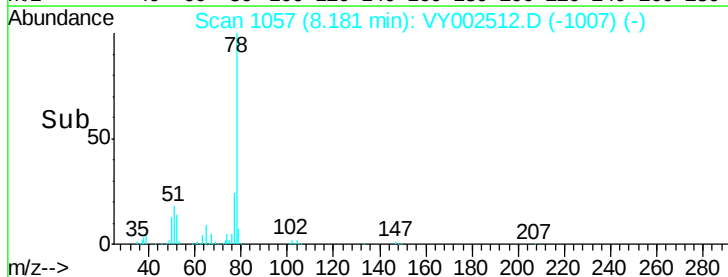
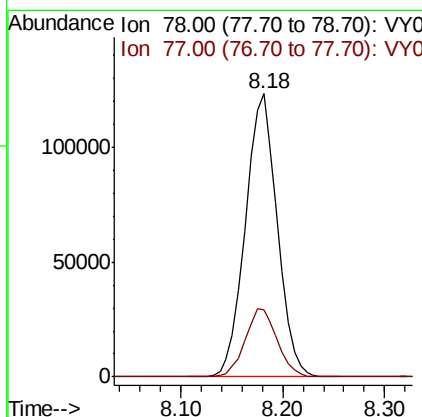
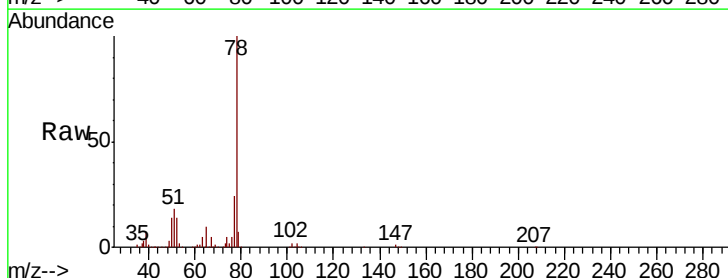
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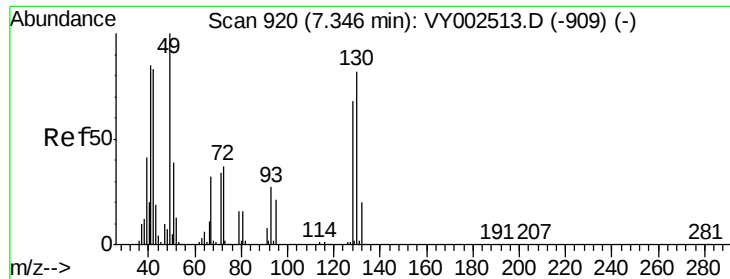
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#40
Benzene
Concen: 18.743 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8





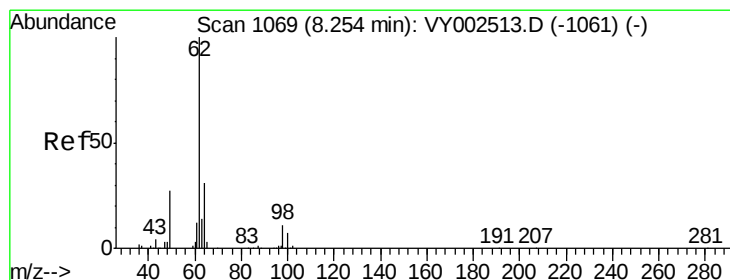
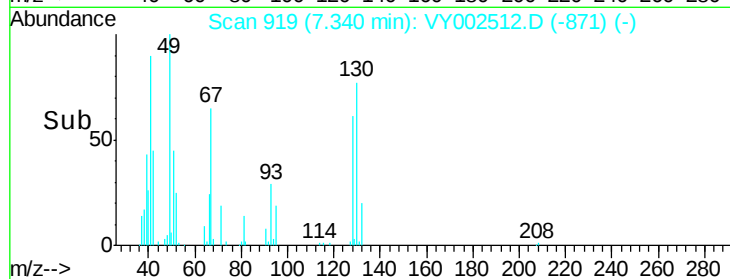
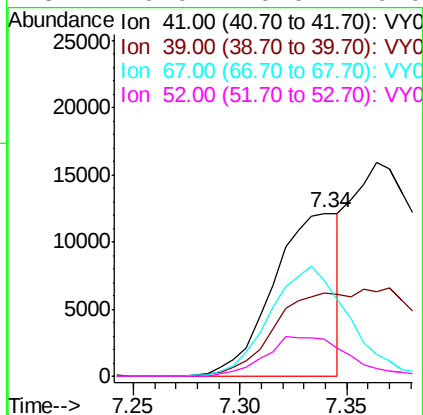
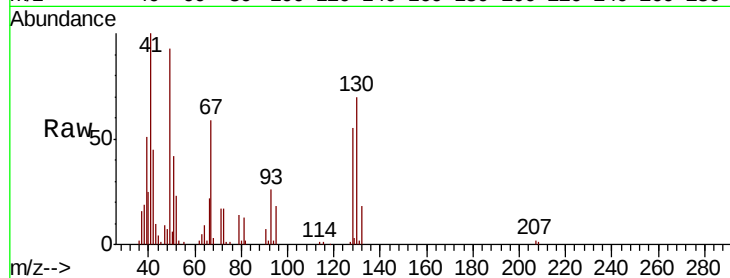
#41
Methacrylonitrile
Concen: 19.849 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	113.4	83.1	124.7
67	0.0	0.0	0.0
52	0.0	0.0	0.0

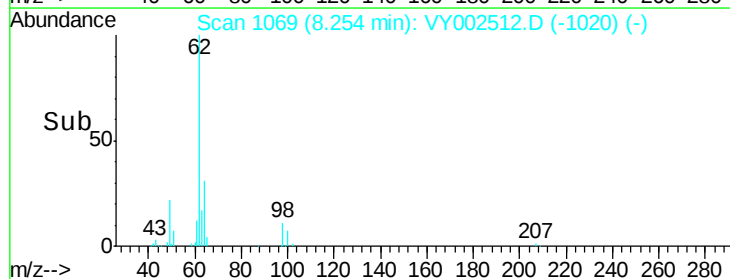
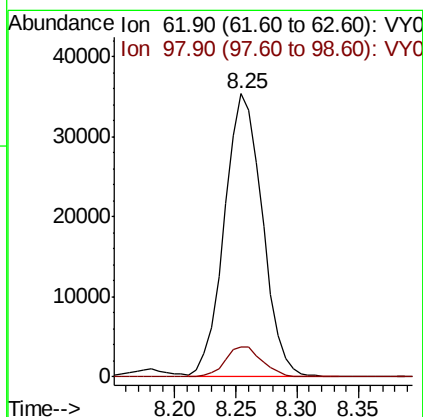
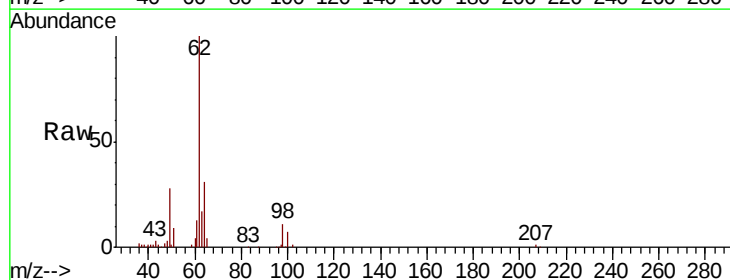
Manual Integrations
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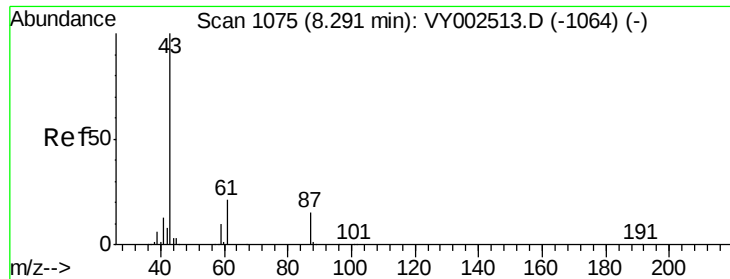
MMDadoda
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#42
1,2-Dichloroethane
Concen: 18.973 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0





#43

Isopropyl Acetate

Concen: 19.229 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Instrument :

MSVOA_Y

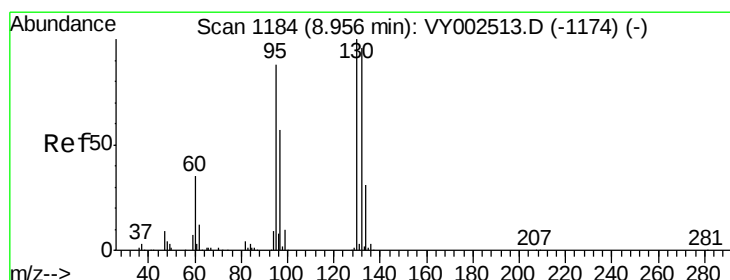
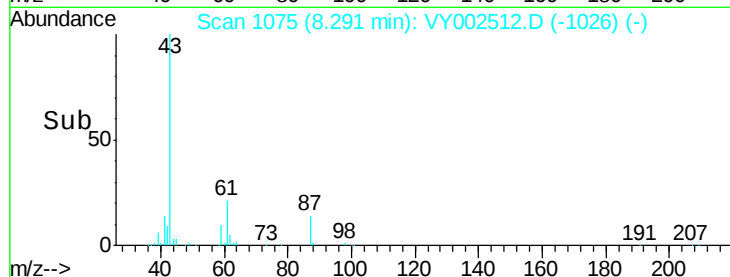
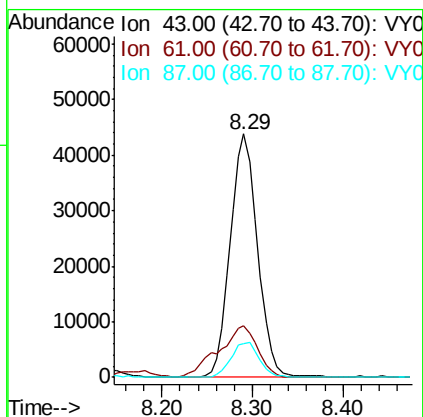
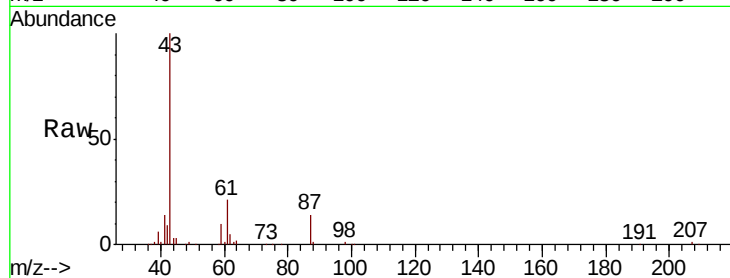
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	91746
Ion	Ratio	Lower	Upper
43	100		
61	30.2	24.8	37.2
87	14.9	12.2	18.2

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#44

Trichloroethene

Concen: 18.822 ug/l

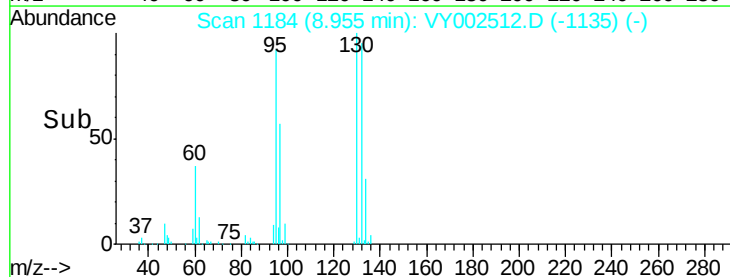
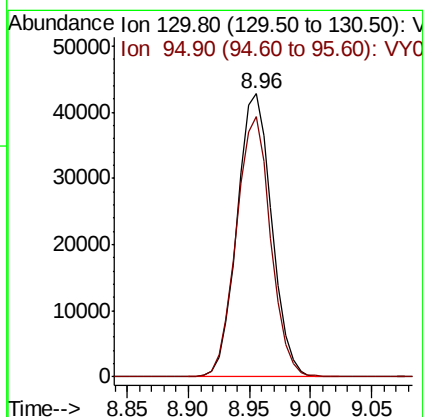
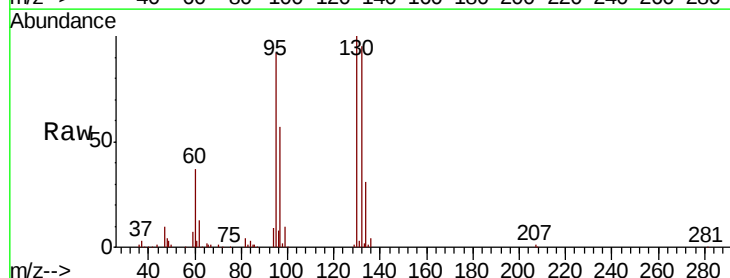
RT: 8.96 min Scan# 1184

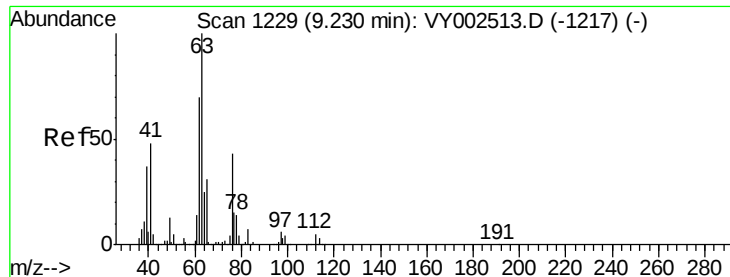
Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Tgt Ion:	130	Resp:	84137
Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	175.8





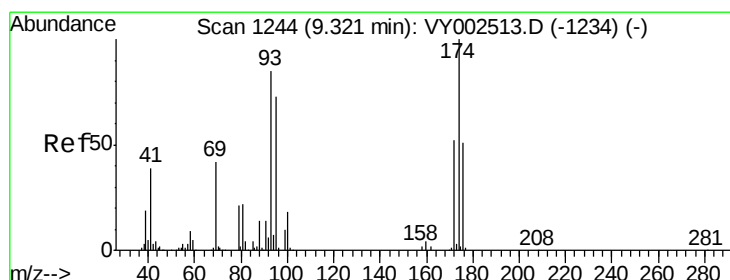
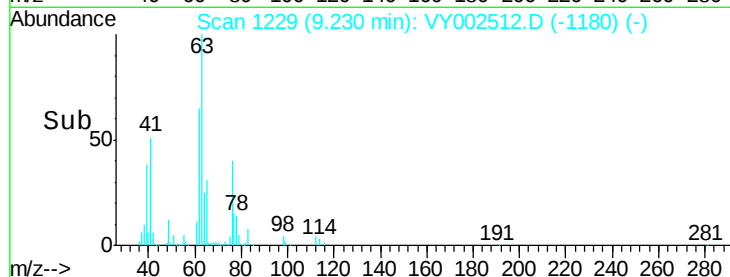
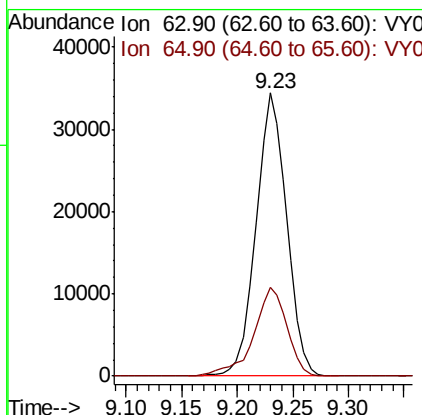
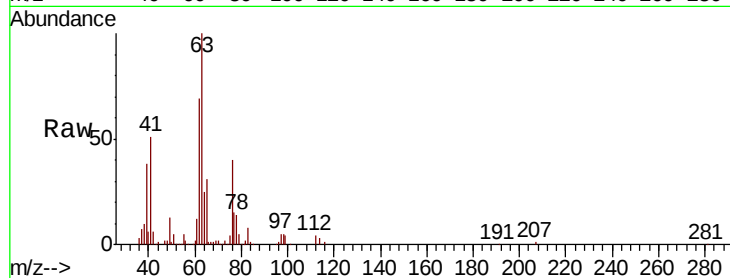
#45
 1,2-Dichloropropane
 Concen: 19.108 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VY002512.D
 Acq: 30 Apr 2020 15:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.5	36.7

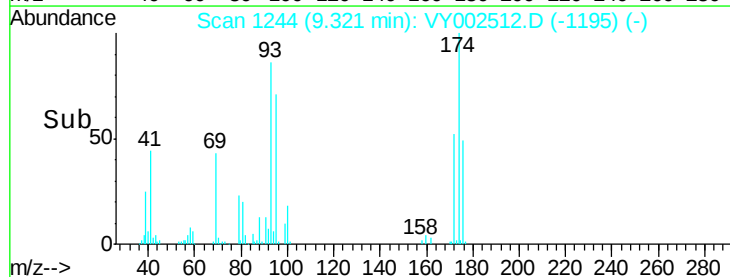
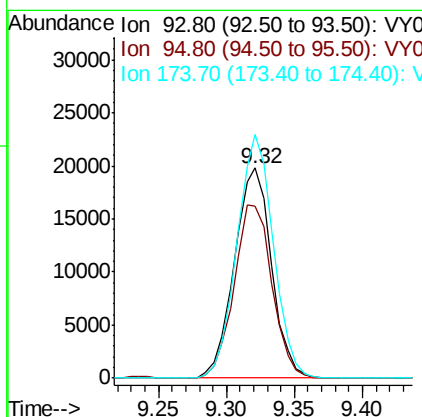
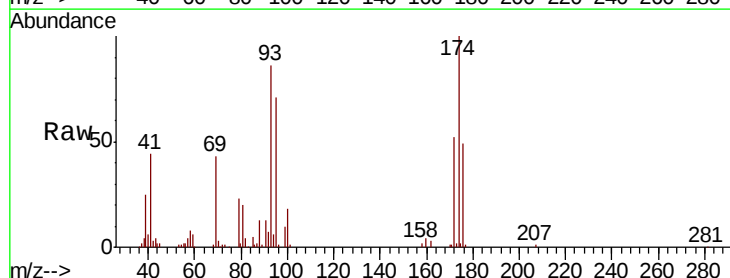
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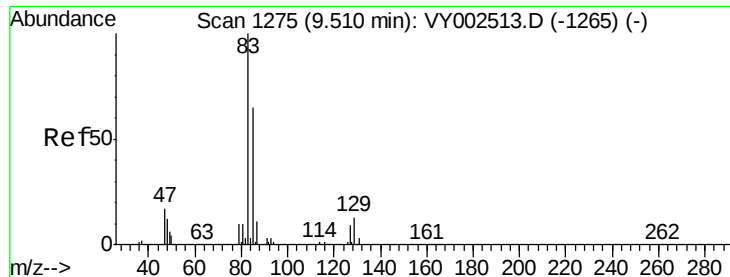
MMDadoda
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#46
 Dibromomethane
 Concen: 18.997 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: VY002512.D
 Acq: 30 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	67.0	100.4
174	113.6	92.7	139.1





#47

Bromodichloromethane

Concen: 19.062 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Instrument :

MSVOA_Y

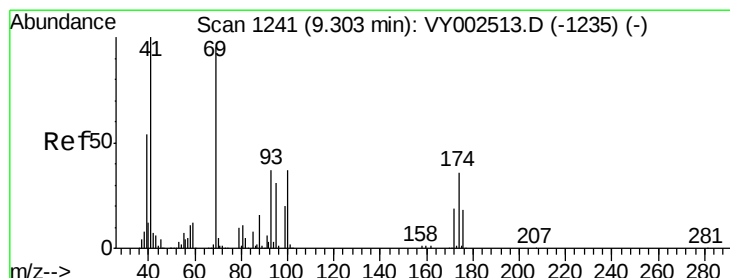
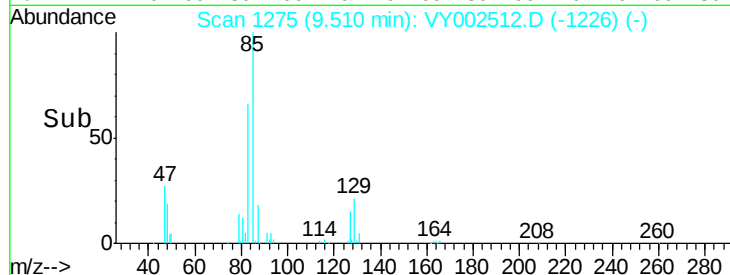
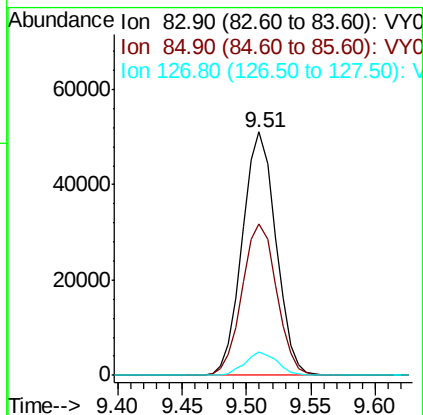
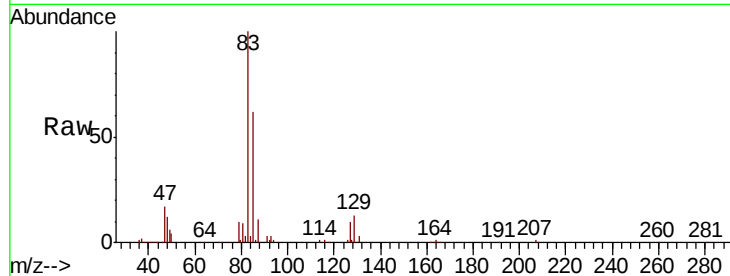
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	92063
Ion Ratio	Lower	Upper	
83	100		
85	62.0	51.8	77.8
127	9.5	7.4	11.0

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#48

Methyl methacrylate

Concen: 18.797 ug/l

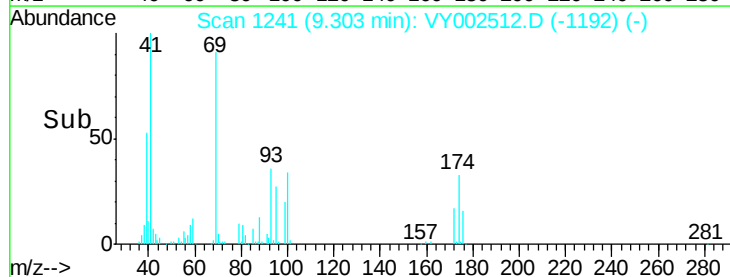
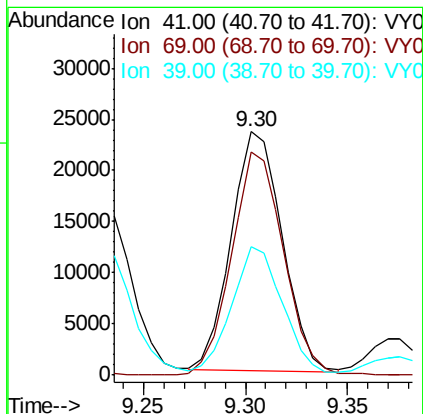
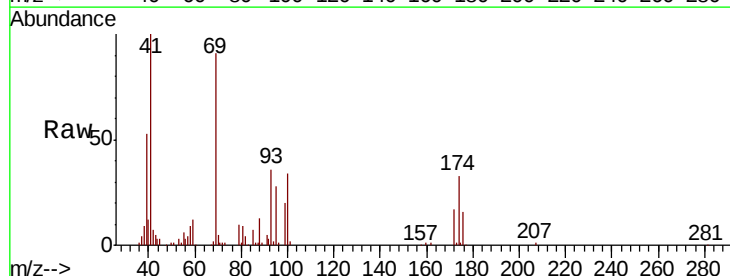
RT: 9.30 min Scan# 1241

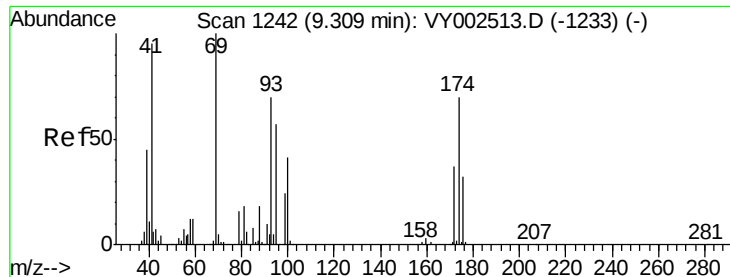
Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Tgt Ion:	41	Resp:	40588
Ion Ratio	Lower	Upper	
41	100		
69	95.2	76.2	114.4
39	54.0	42.7	64.1





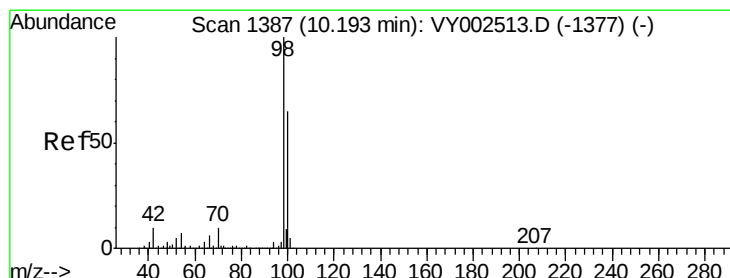
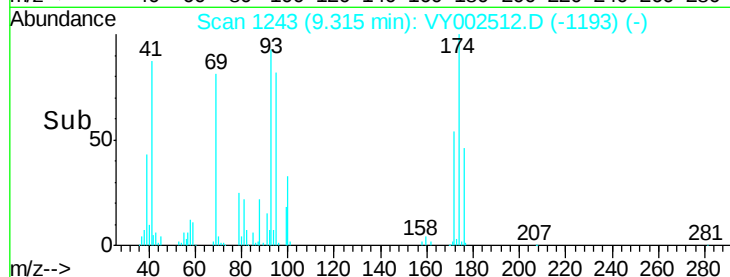
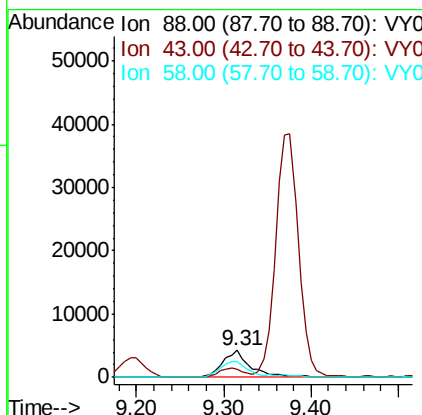
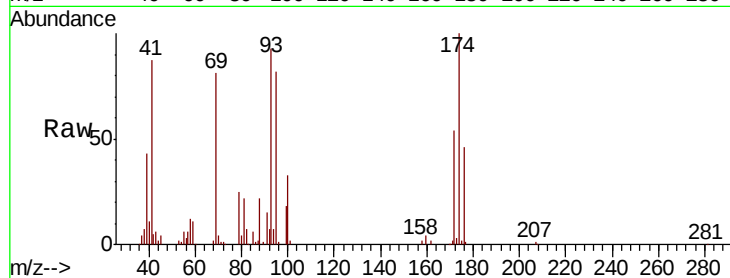
#49
1,4-Dioxane
Concen: 364.237 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	9579
Ion Ratio	100	Lower	Upper
88	100		
43	31.2	22.8	34.2
58	61.0	51.4	77.2

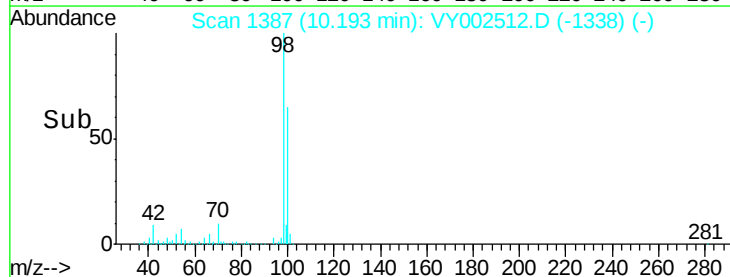
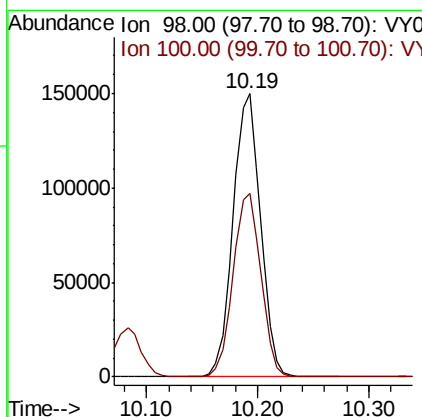
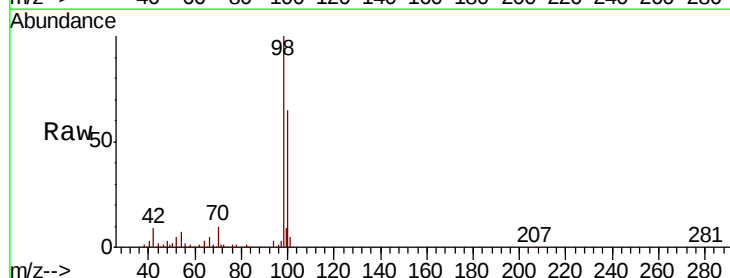
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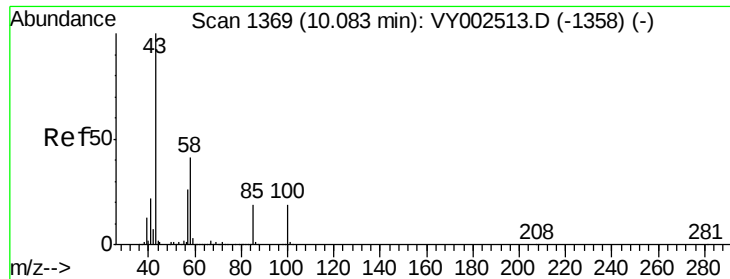
MMDadoda
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#50
Toluene-d8
Concen: 19.358 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Tgt Ion	98	Resp	255408
Ion Ratio	100	Lower	Upper
98	100		
100	65.4	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 94.942 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 233484

Ion Ratio Lower Upper

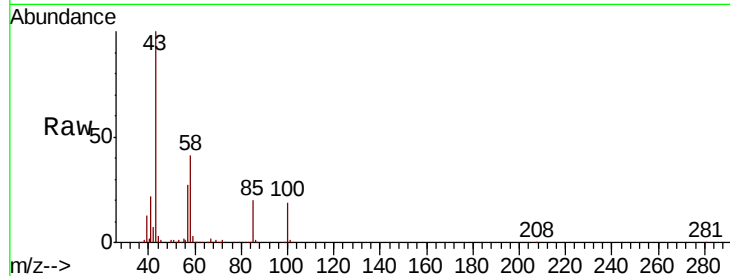
43 100

58 41.7 33.2 49.8

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Abundance Ion 43.00 (42.70 to 43.70): VY002512.D (-1358) (-)

Ion 58.00 (57.70 to 58.70): VY002512.D (-1358) (-)

10.08

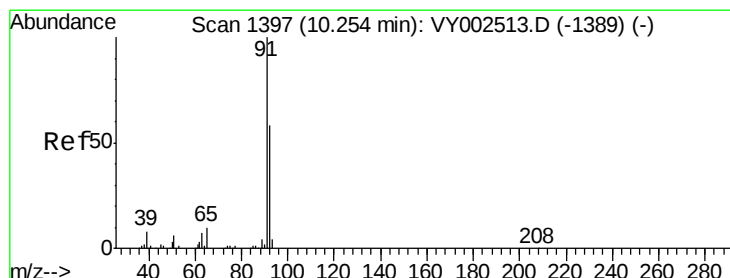
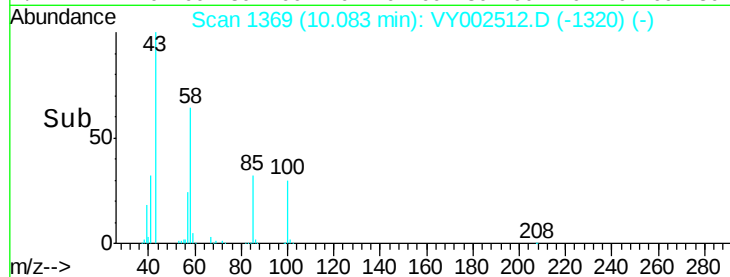
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.787 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VY002512.D

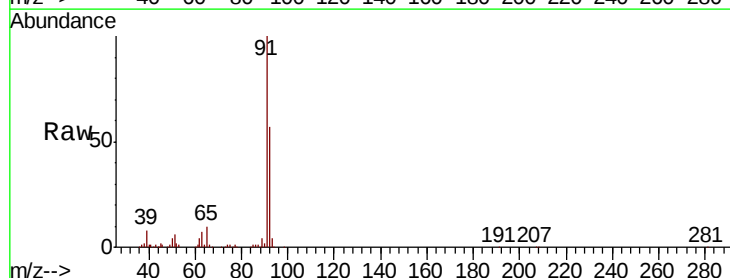
Acq: 30 Apr 2020 15:01

Tgt Ion: 92 Resp: 172702

Ion Ratio Lower Upper

92 100

91 173.1 139.3 208.9



Abundance Ion 92.00 (91.70 to 92.70): VY002512.D (-1389) (-)

Ion 91.00 (90.70 to 91.70): VY002512.D (-1389) (-)

10.25

200000

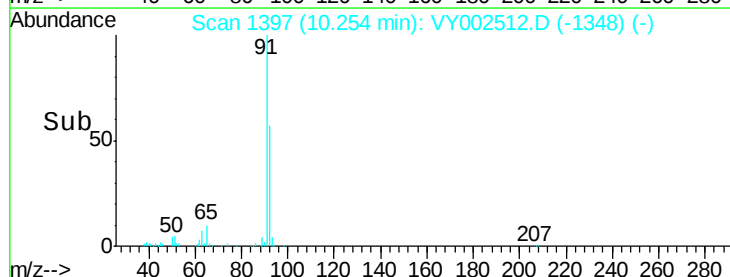
150000

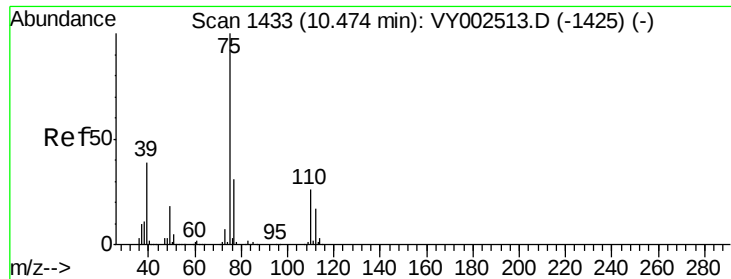
100000

50000

0

Time-->





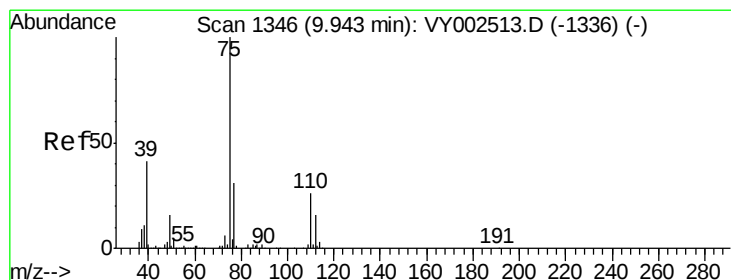
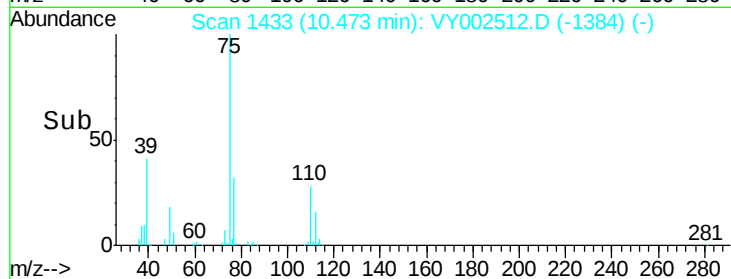
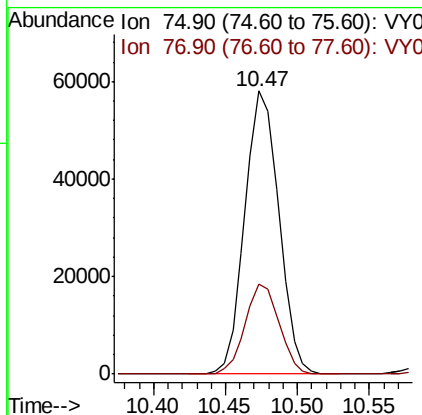
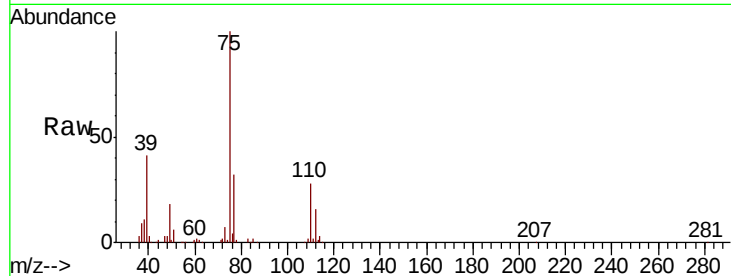
#53
t-1,3-Dichloropropene
Concen: 18.807 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.6

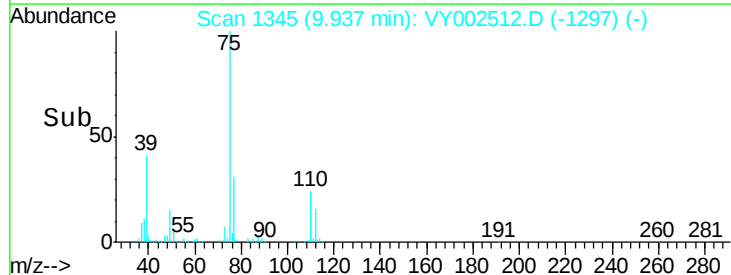
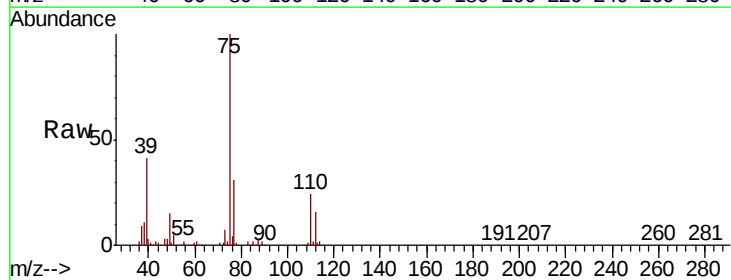
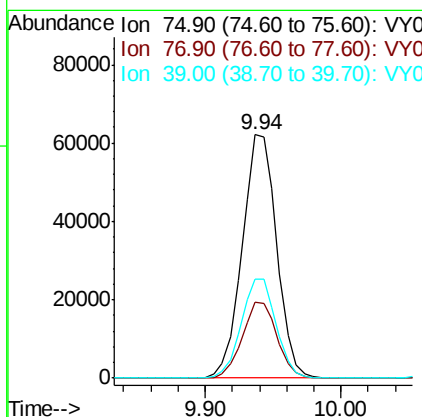
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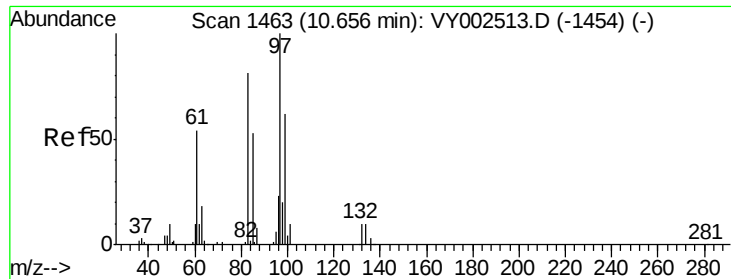
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#54
cis-1,3-Dichloropropene
Concen: 18.798 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.1	37.7
39	40.8	32.7	49.1





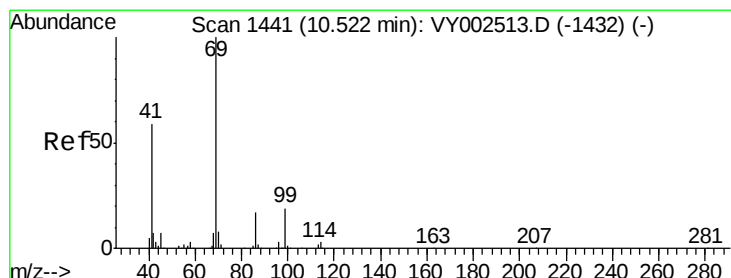
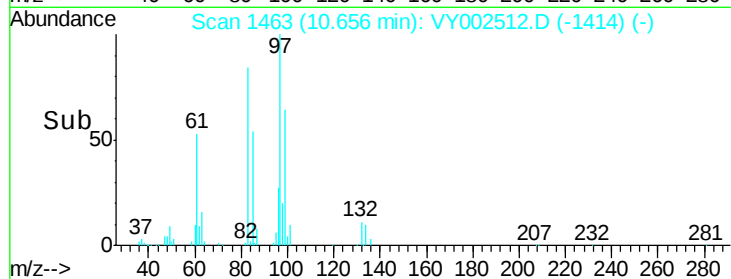
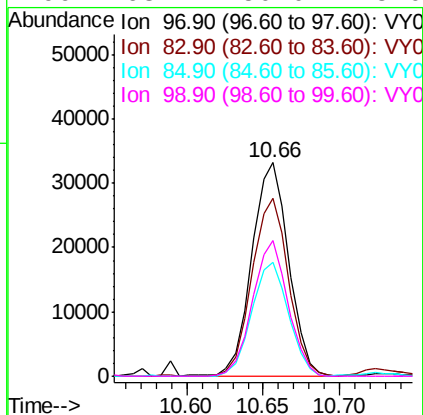
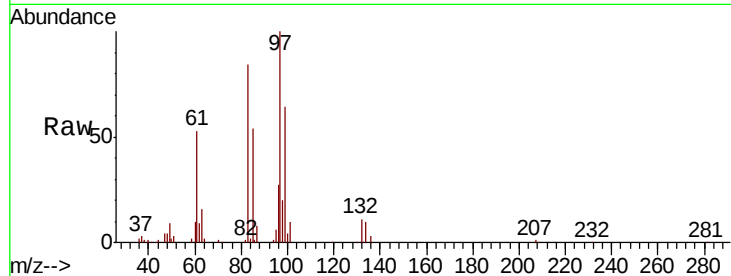
#55
 1,1,2-Trichloroethane
 Concen: 19.173 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY002512.D
 Acq: 30 Apr 2020 15:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	55534
Ion	Ratio	Lower	Upper
97	100		
83	83.5	65.1	97.7
85	53.6	42.7	64.1
99	63.7	50.0	75.0

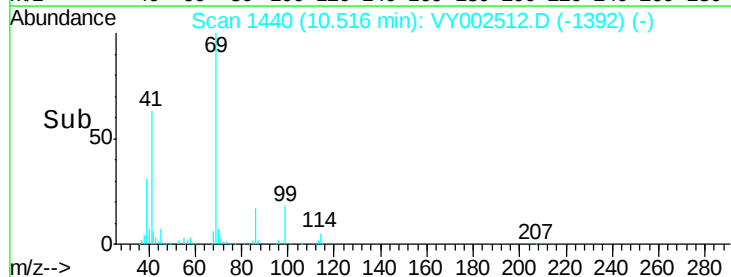
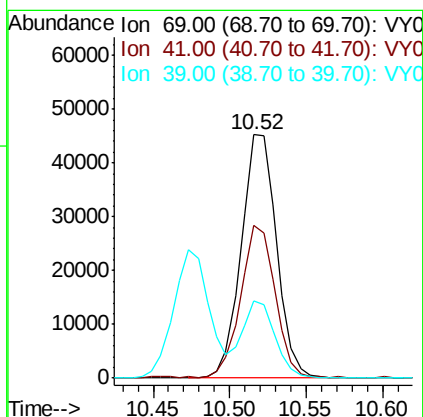
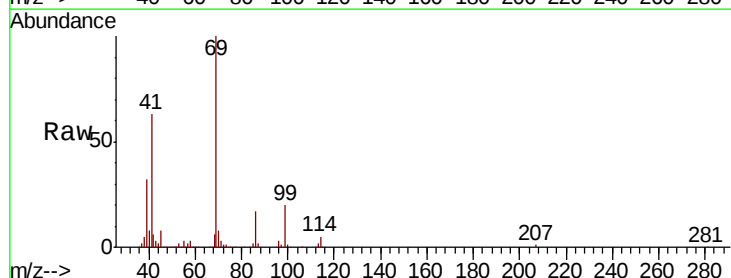
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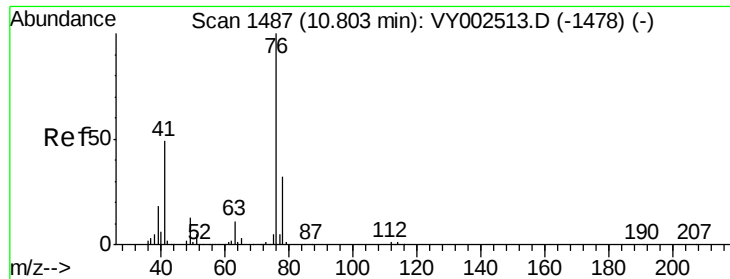
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#56
 Ethyl methacrylate
 Concen: 18.875 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VY002512.D
 Acq: 30 Apr 2020 15:01

Tgt Ion:	69	Resp:	72732
Ion	Ratio	Lower	Upper
69	100		
41	60.7	48.6	73.0
39	30.5	25.0	37.4





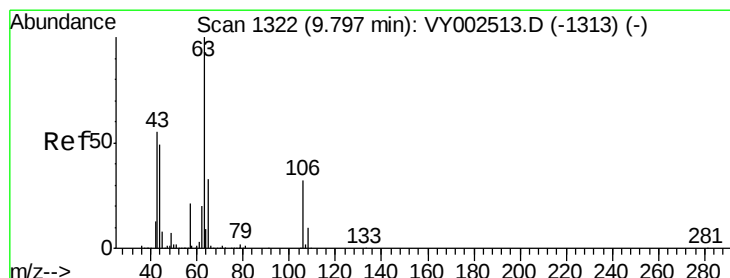
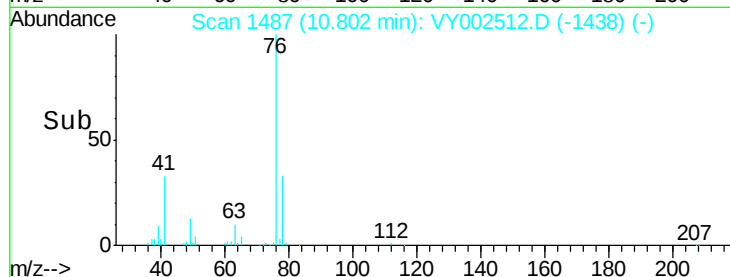
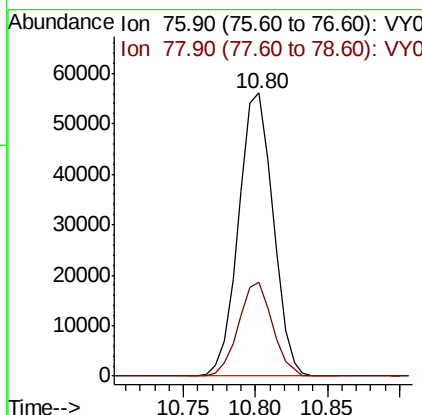
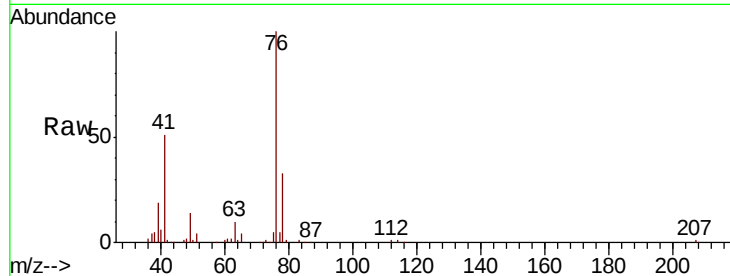
#57
 1,3-Dichloropropane
 Concen: 18.999 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VY002512.D
 Acq: 30 Apr 2020 15:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.4	38.2

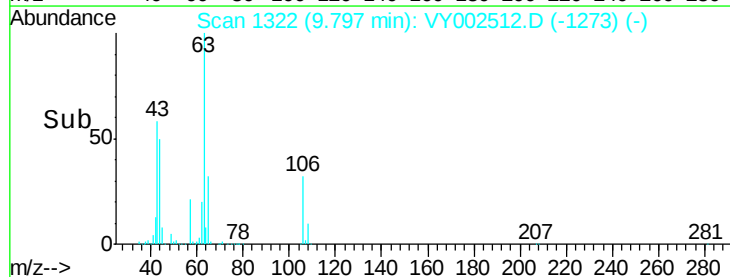
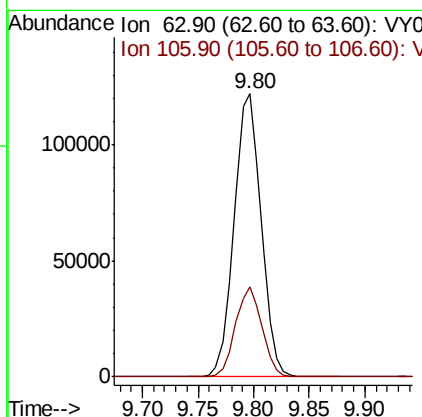
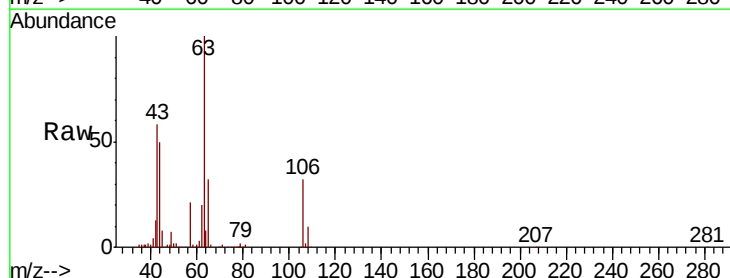
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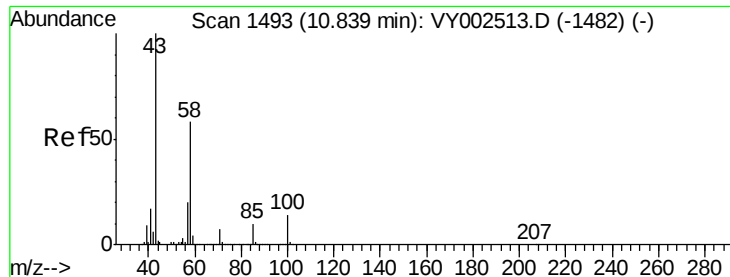
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#58
 2-Chloroethyl Vinyl ether
 Concen: 100.586 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VY002512.D
 Acq: 30 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.9	25.2	37.8





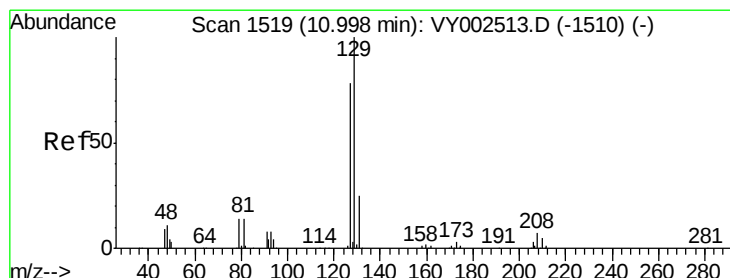
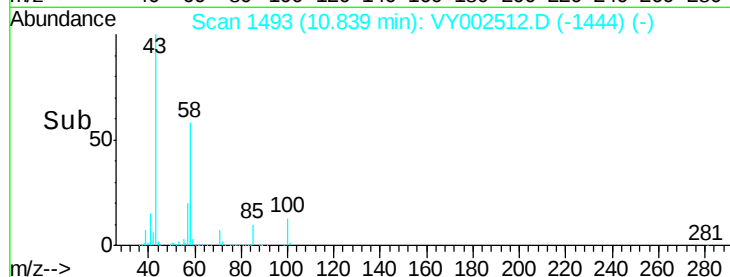
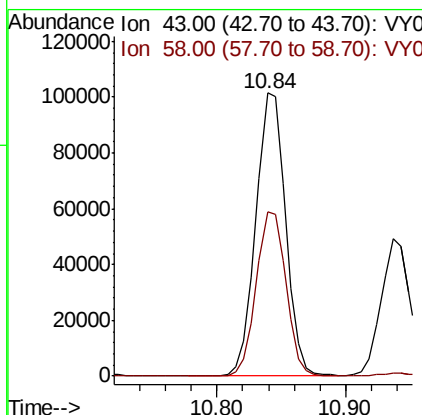
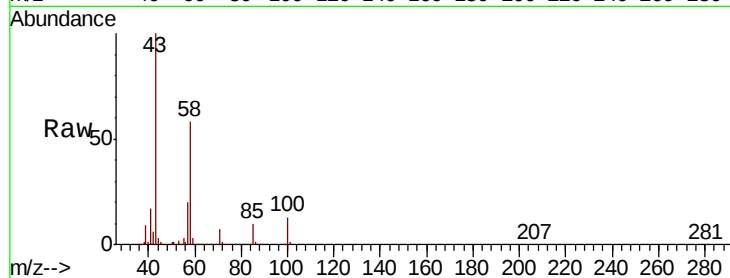
#59
2-Hexanone
Concen: 95.572 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.3	29.1	87.3

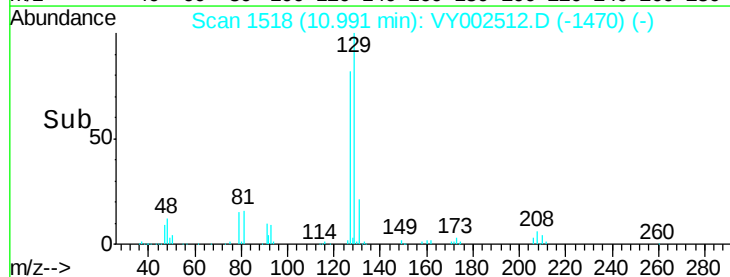
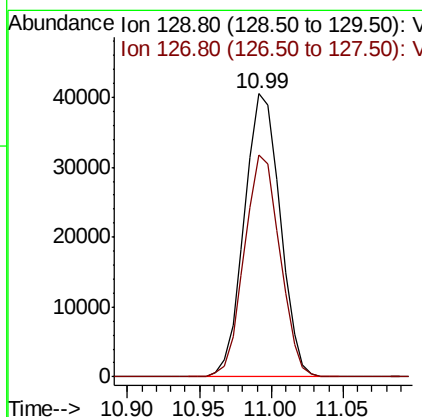
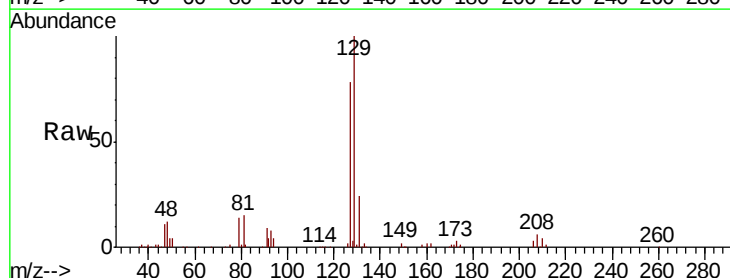
Manual Integrations
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#60
Dibromochloromethane
Concen: 18.944 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.0	117.0





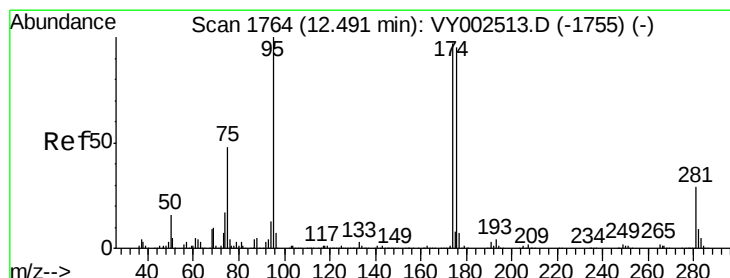
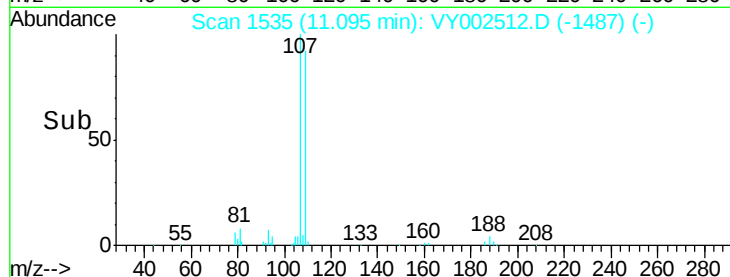
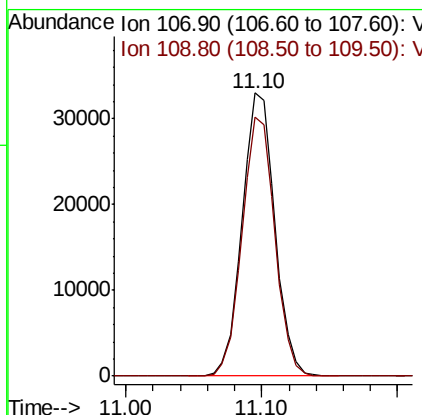
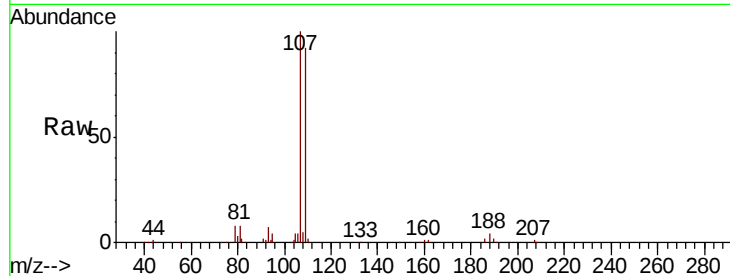
#61
 1,2-Dibromoethane
 Concen: 19.313 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY002512.D
 Acq: 30 Apr 2020 15:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.6	75.8	113.8

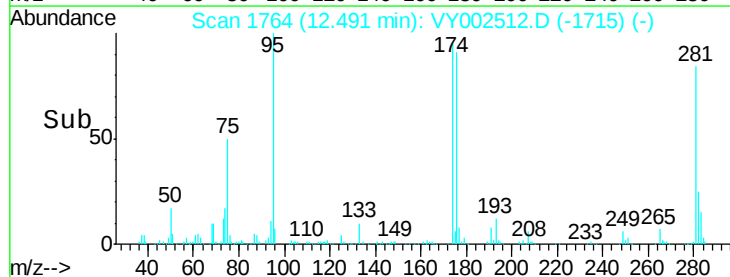
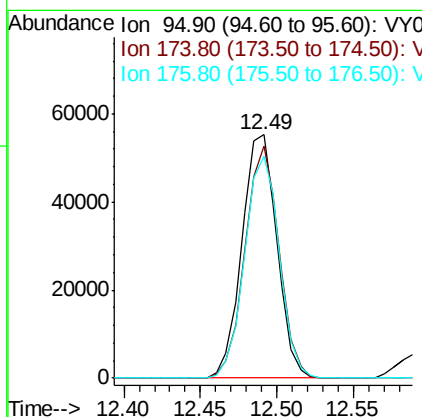
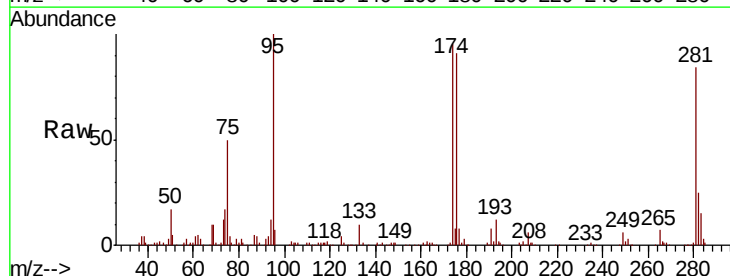
Manual Integrations
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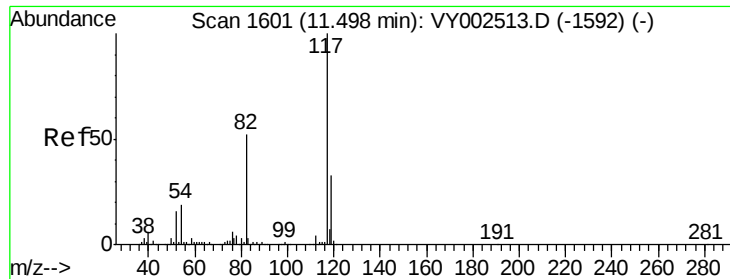
MMDadoda
 5/5/2020 4:31:05 PM



#62
 4-Bromofluorobenzene
 Concen: 19.597 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002512.D
 Acq: 30 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.5	0.0	188.8
176	90.3	0.0	183.2





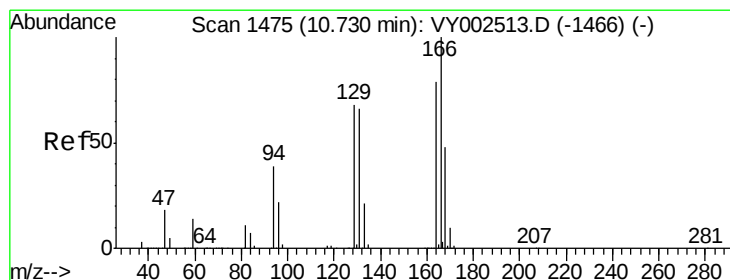
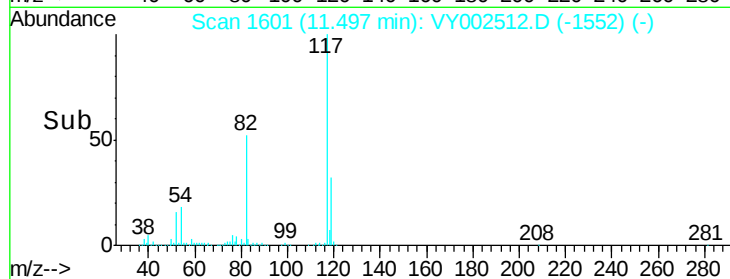
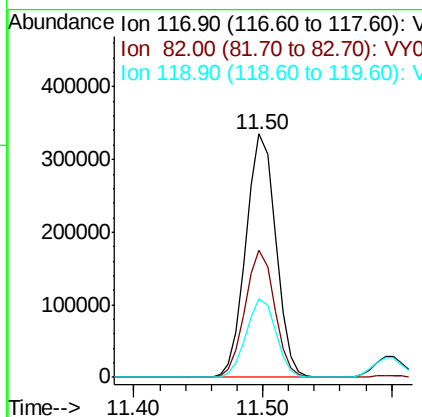
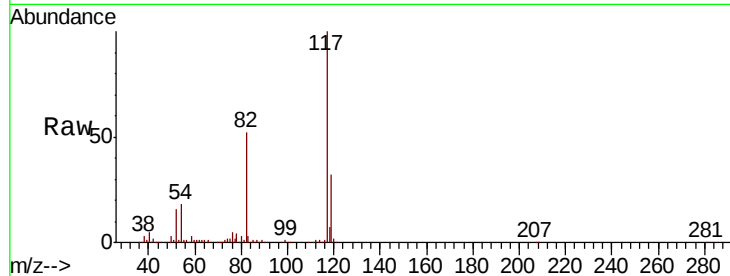
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.3	61.9
119	32.4	26.0	39.0

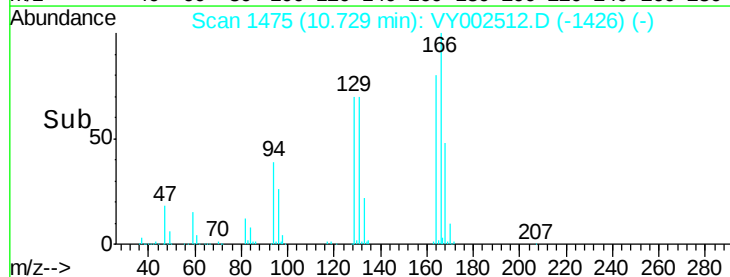
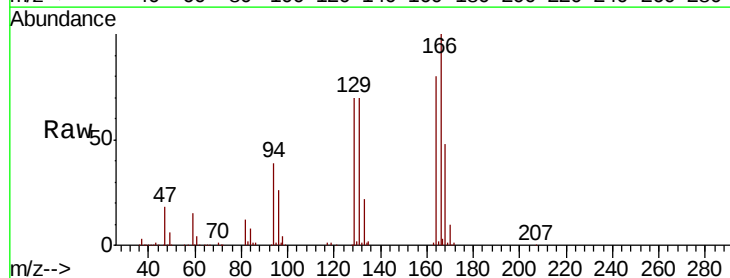
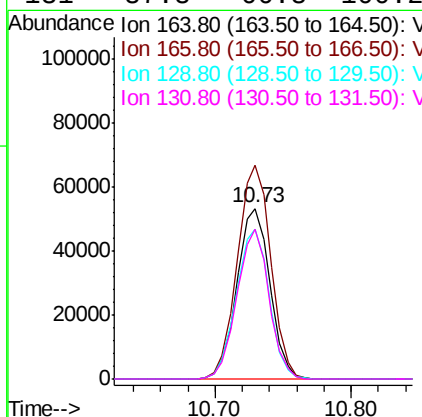
Manual Integrations
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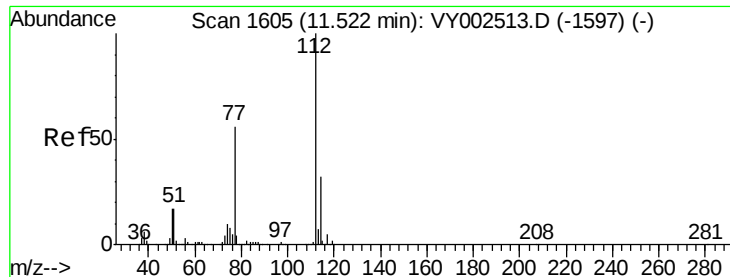
MMDadoda
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#64
Tetrachloroethene
Concen: 18.893 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	100.7	151.1
129	87.7	68.3	102.5
131	87.8	66.8	100.2





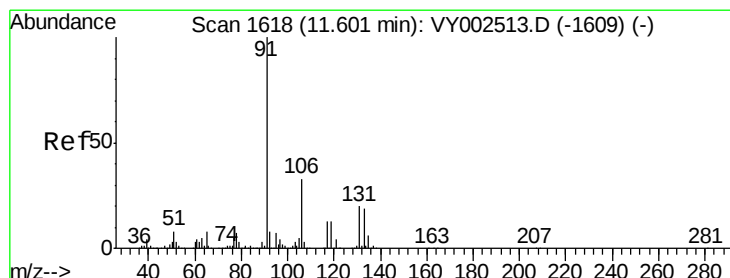
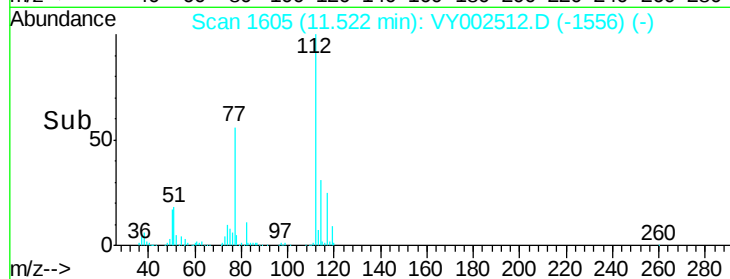
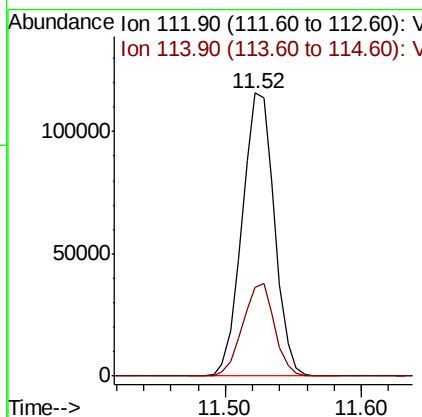
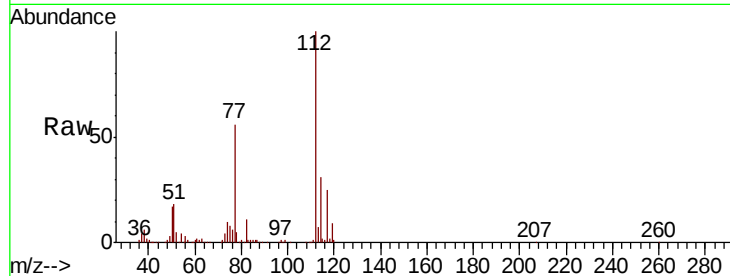
#65
Chlorobenzene
Concen: 18.793 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
112	100	191881		
114	31.3	25.8	38.6	

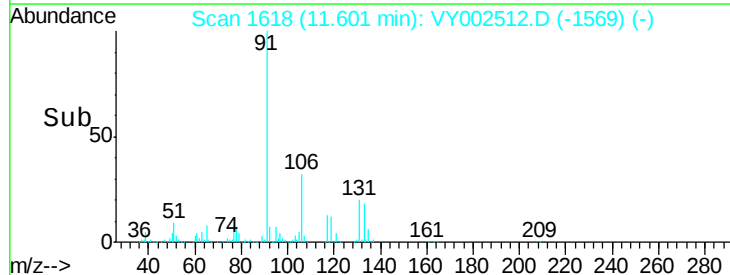
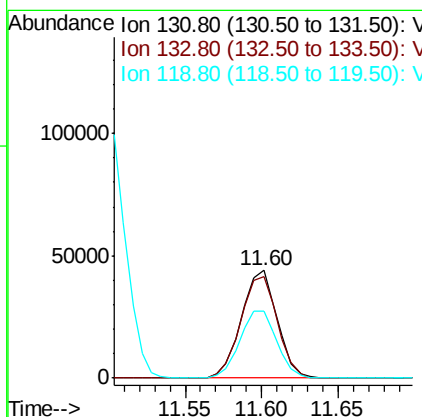
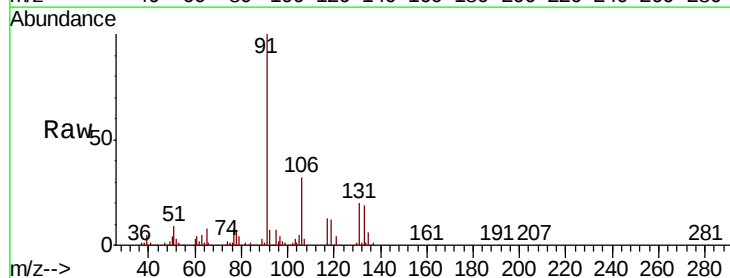
Manual Integrations
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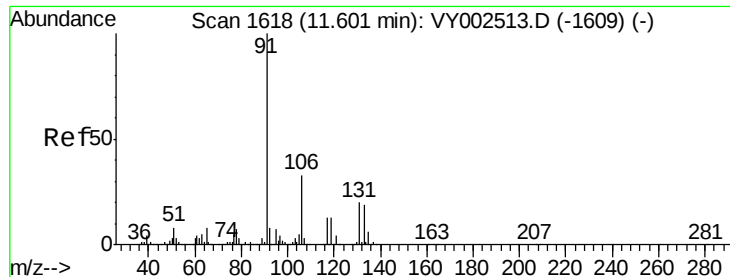
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.859 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	71480		
133	97.2	48.1	144.4	
119	64.6	31.6	95.0	





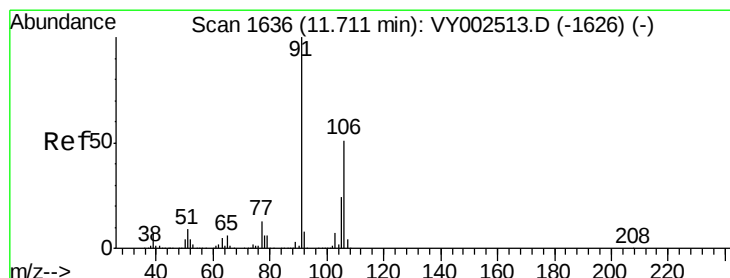
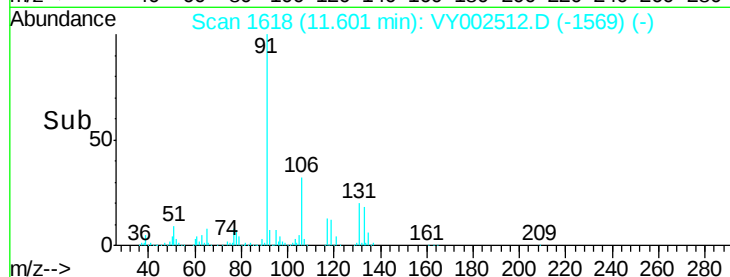
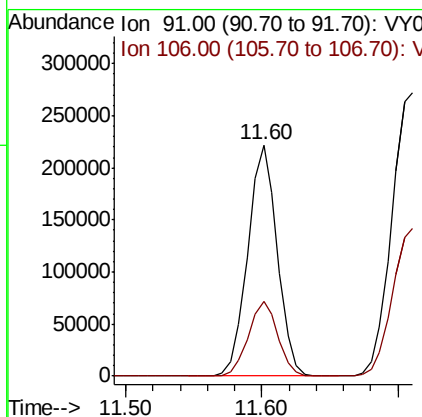
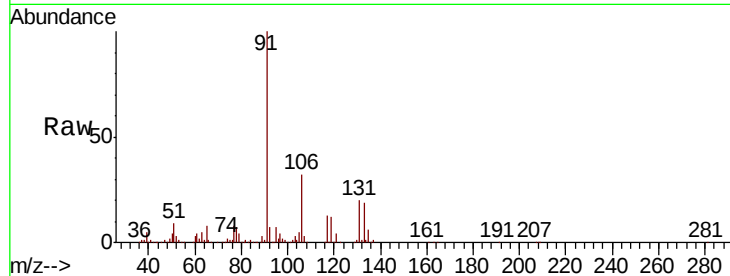
#67
Ethyl Benzene
Concen: 18.757 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.3	26.1	39.1

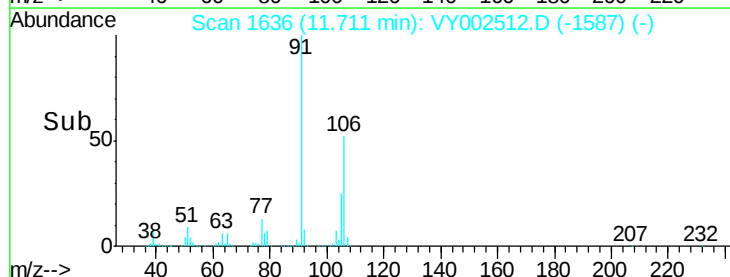
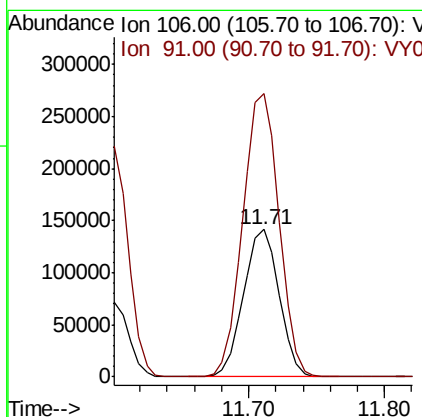
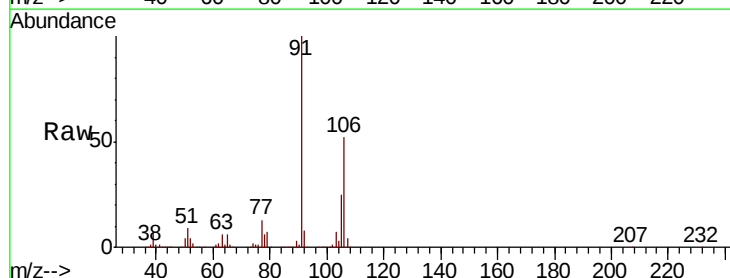
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#68
m/p-Xylenes
Concen: 37.557 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
106	100		
91	194.8	155.2	232.8





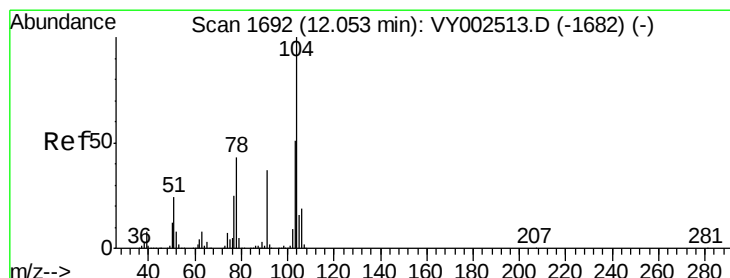
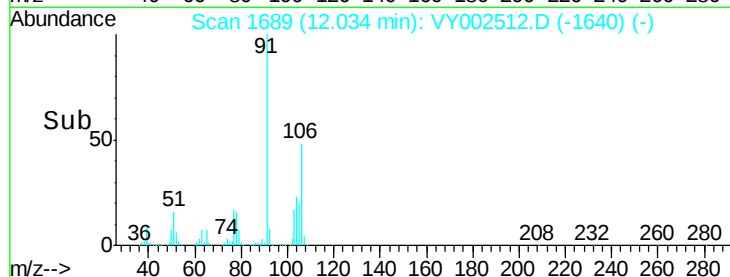
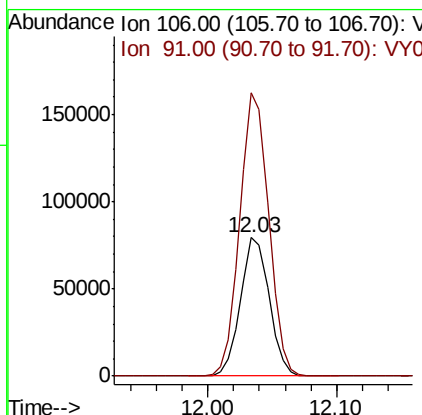
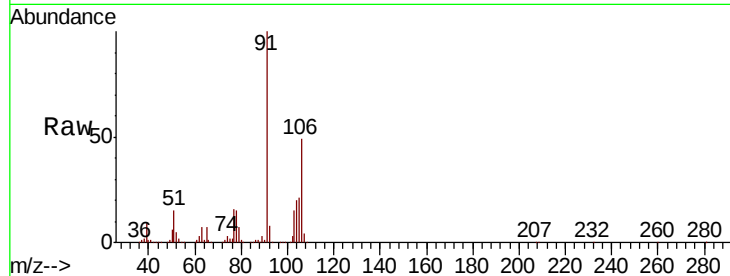
#69
o-Xylene
Concen: 18.853 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	206.1	103.8	311.3	

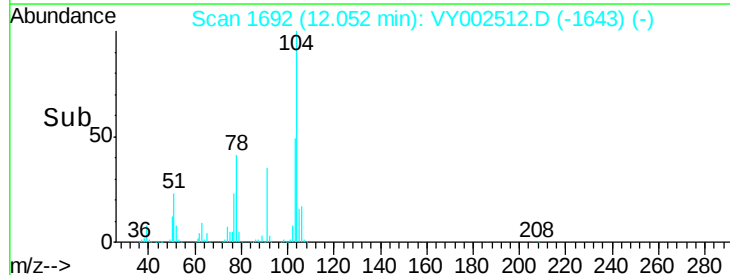
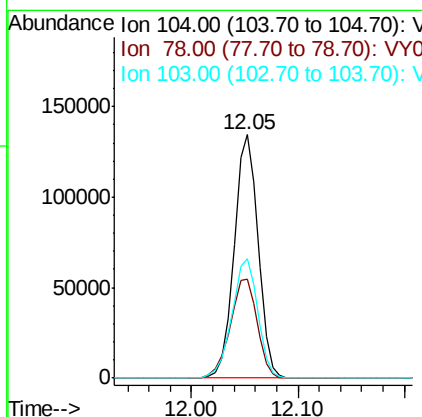
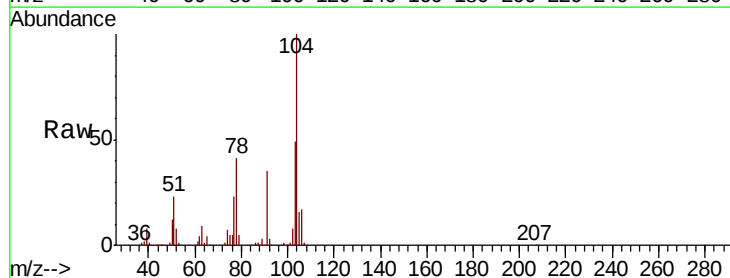
Manual Integrations
APPROVED

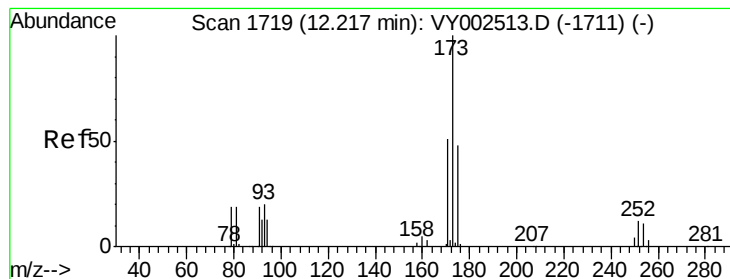
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#70
Styrene
Concen: 19.017 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	46.2	37.4	56.0	
103	53.3	43.9	65.9	





#71

Bromoform

Concen: 18.992 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 44677

Ion Ratio Lower Upper

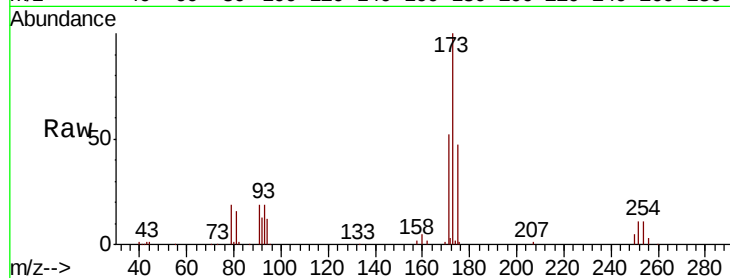
173 100

175 48.8 24.3 72.8

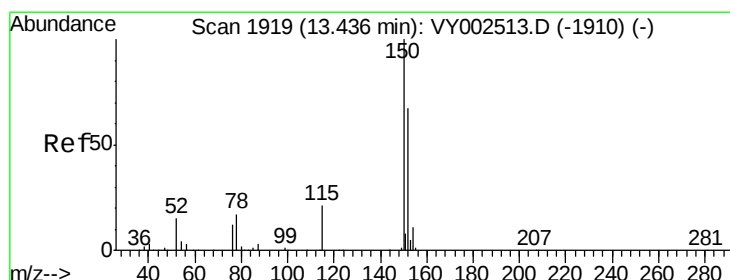
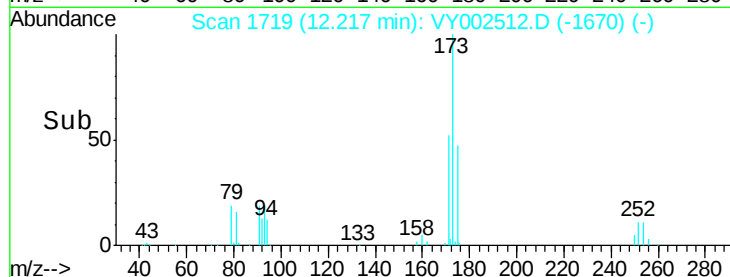
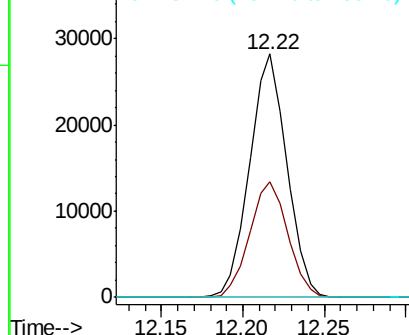
254 0.0 0.2 0.2#

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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: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

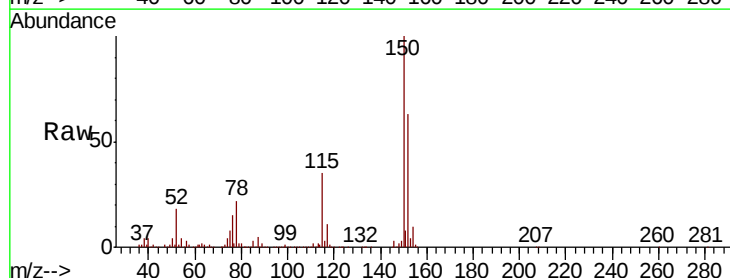
Tgt Ion:152 Resp: 277878

Ion Ratio Lower Upper

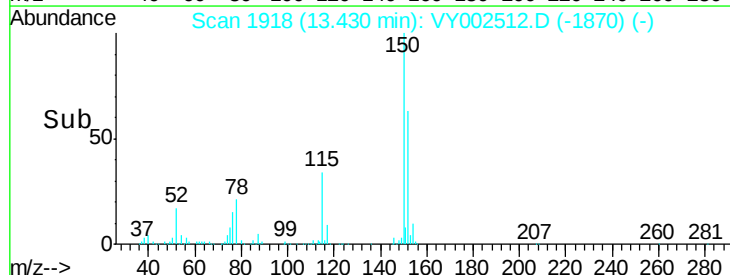
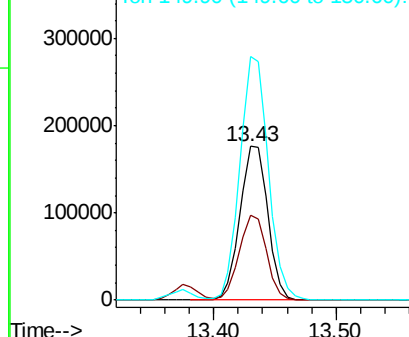
152 100

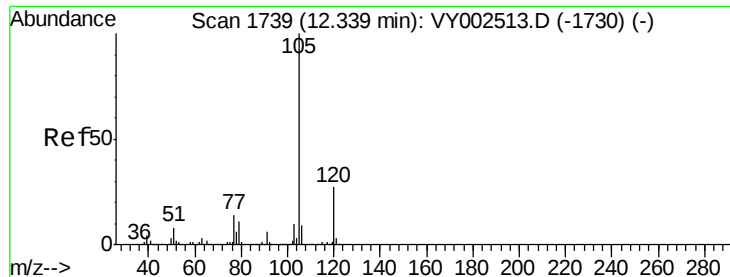
115 54.3 27.5 82.4

150 161.2 0.0 346.4



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: 18.700 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 336769

Ion Ratio Lower Upper

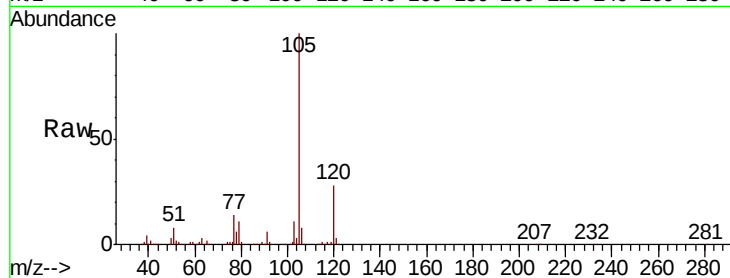
105 100

120 27.4 13.8 41.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

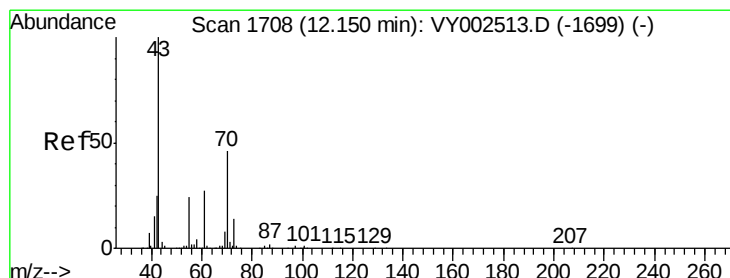
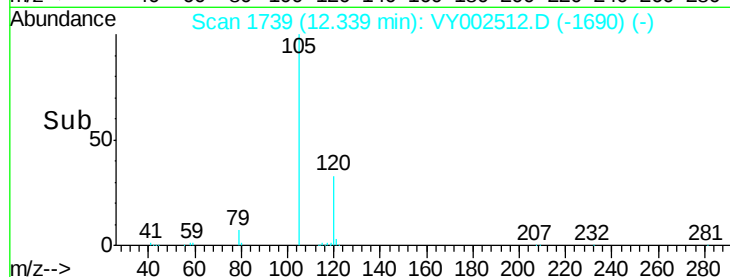
50000

0

12.30

12.40

Time-->



#74

N-ethyl acetate

Concen: 18.754 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Tgt Ion: 43 Resp: 81246

Ion Ratio Lower Upper

43 100

70 46.2 36.7 55.1

55 25.2 19.2 28.8

61 26.2 21.1 31.7

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

80000

60000

40000

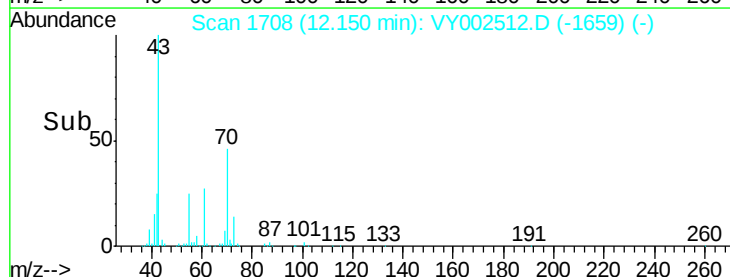
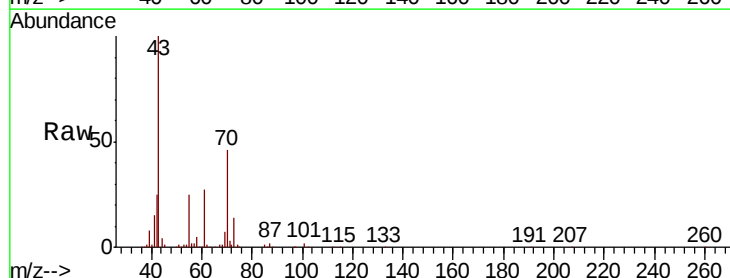
20000

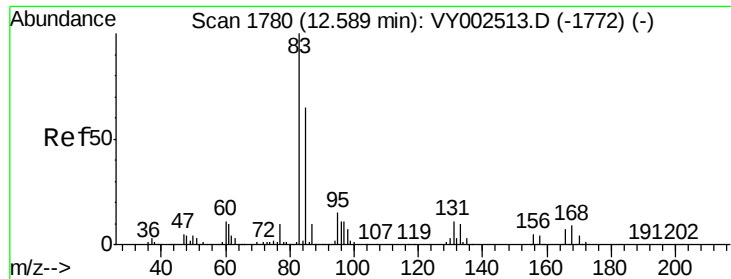
0

12.10

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.723 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Instrument :

MSVOA_Y

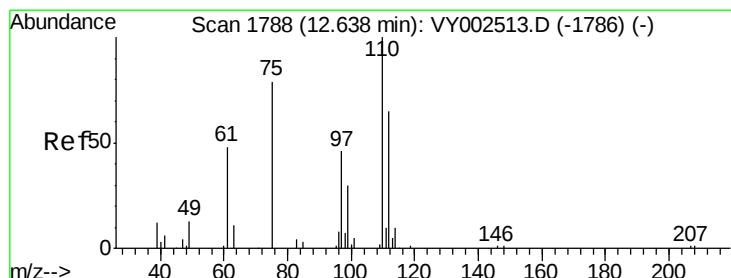
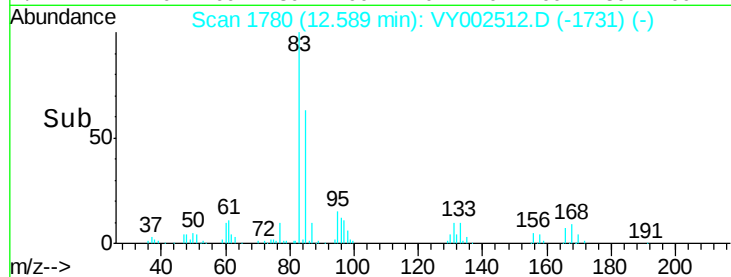
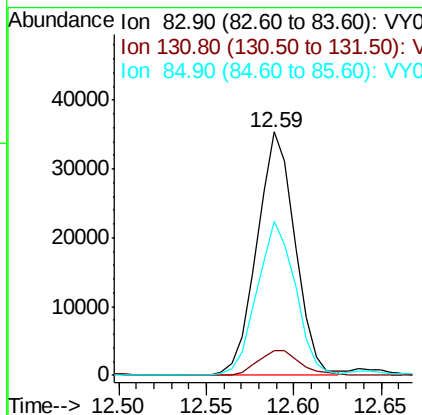
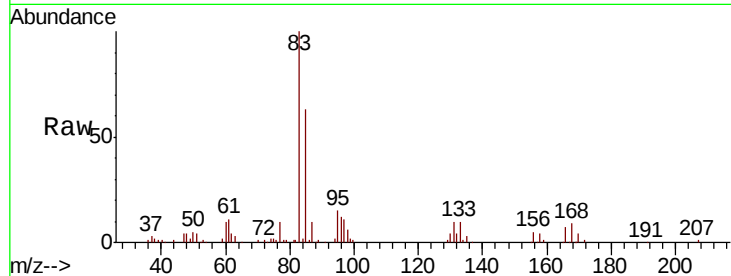
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	53626
Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.9	17.8
85	63.6	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 19.279 ug/l m

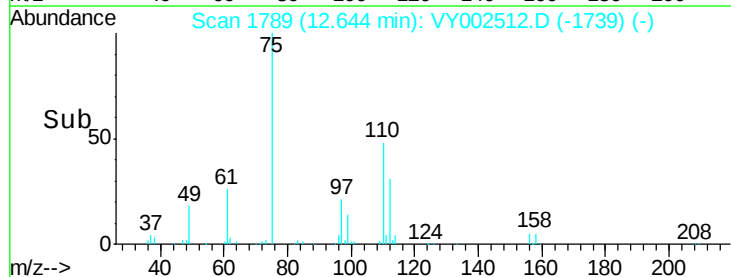
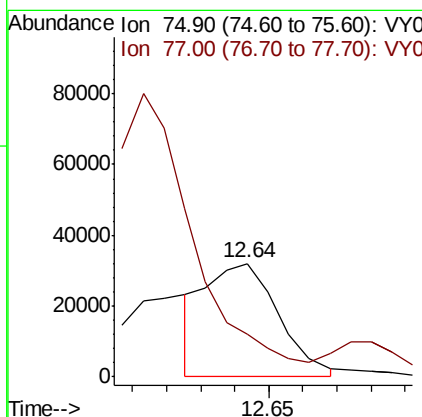
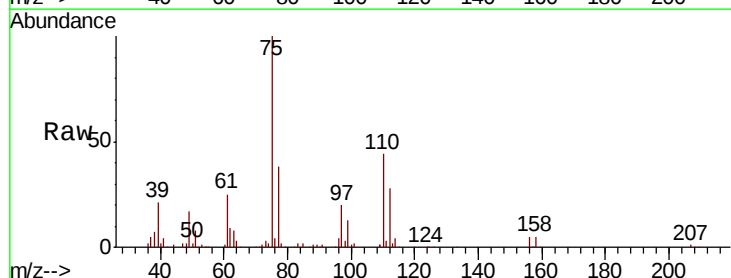
RT: 12.64 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Tgt Ion:	75	Resp:	47820
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.662 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 83968

Ion Ratio Lower Upper

156 100

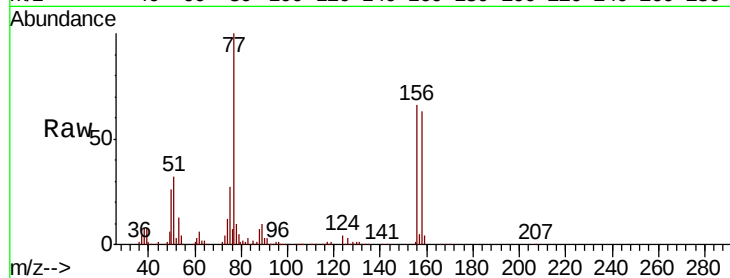
77 168.5 82.0 245.8

158 97.2 48.5 145.6

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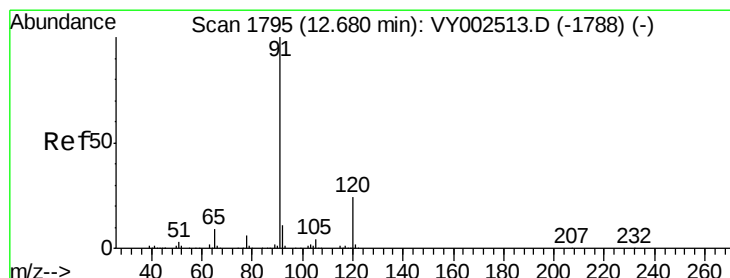
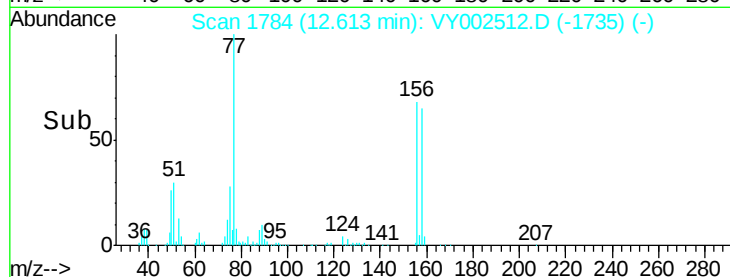
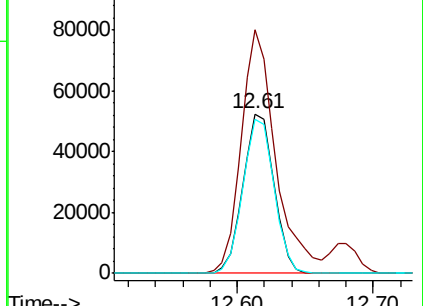
5/5/2020 4:31:05 PM



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: 18.786 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VY002512.D

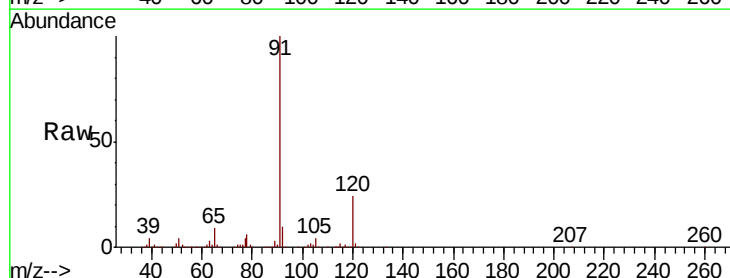
Acq: 30 Apr 2020 15:01

Tgt Ion: 91 Resp: 392604

Ion Ratio Lower Upper

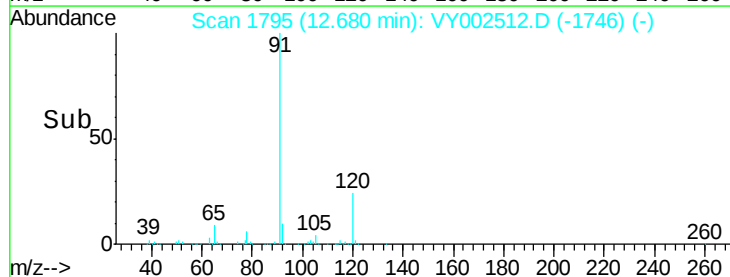
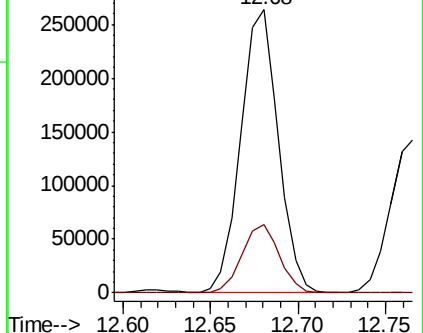
91 100

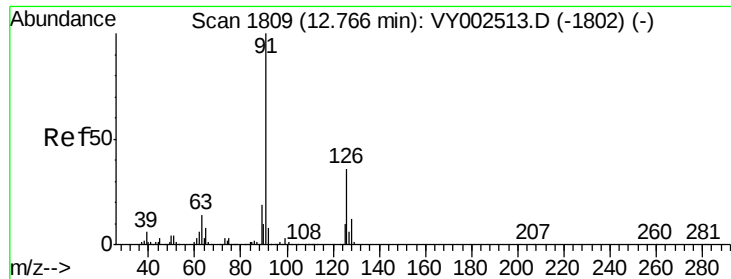
120 24.1 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





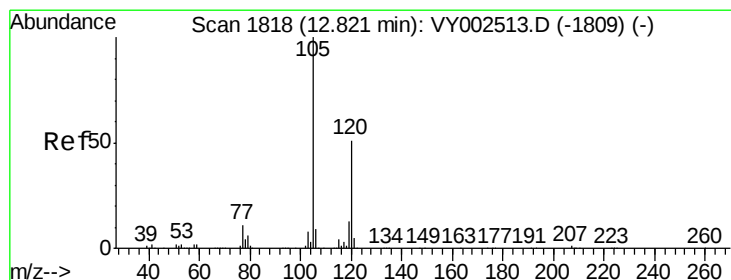
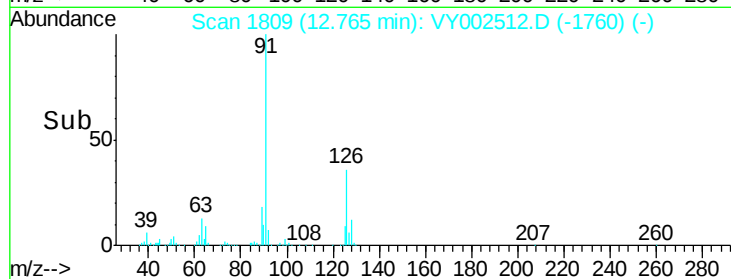
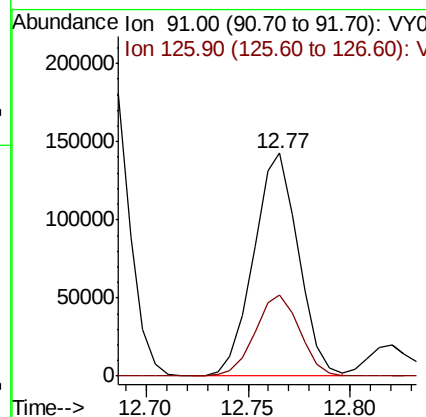
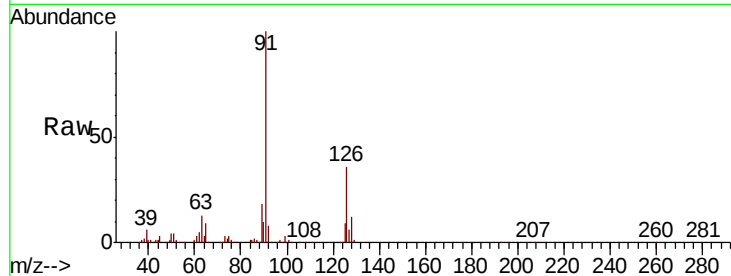
#79
 2-Chlorotoluene
 Concen: 18.810 ug/l
 RT: 12.77 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VY002512.D
 Acq: 30 Apr 2020 15:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 217753
 Ion Ratio Lower Upper
 91 100
 126 36.3 18.4 55.2

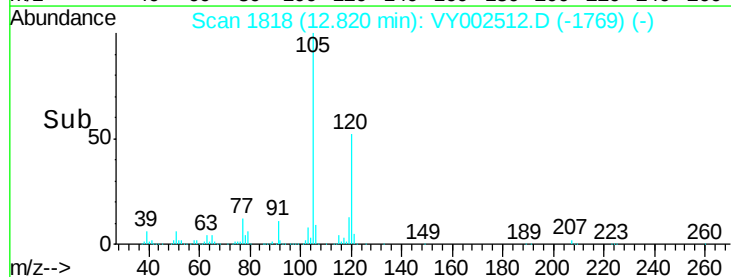
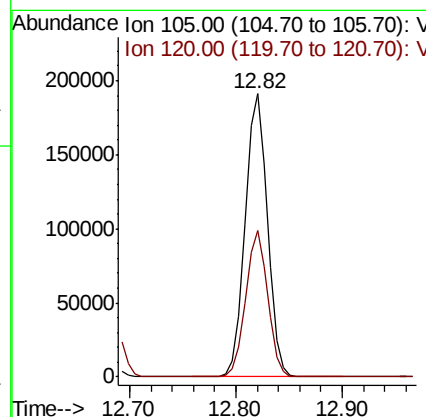
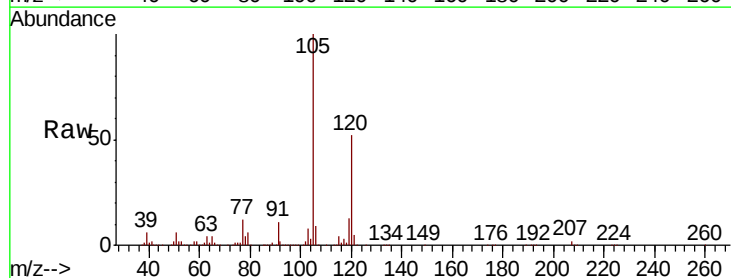
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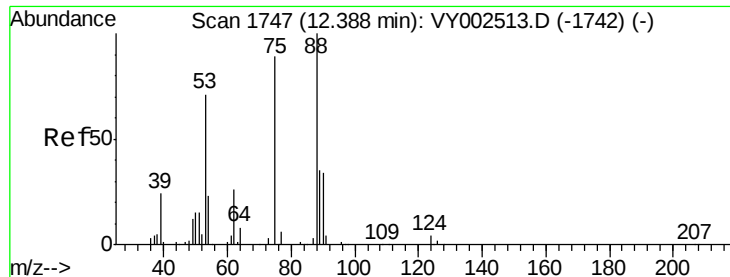
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.842 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VY002512.D
 Acq: 30 Apr 2020 15:01

Tgt Ion: 105 Resp: 281270
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.3 75.9





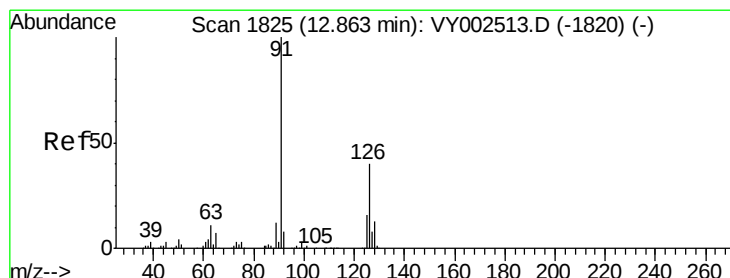
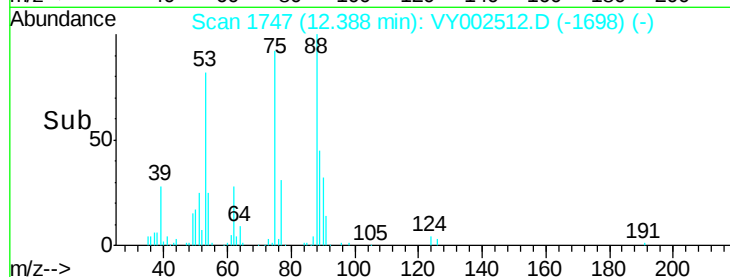
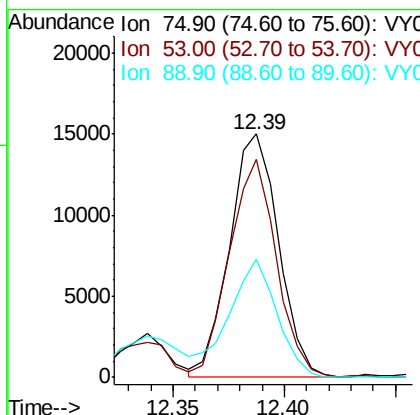
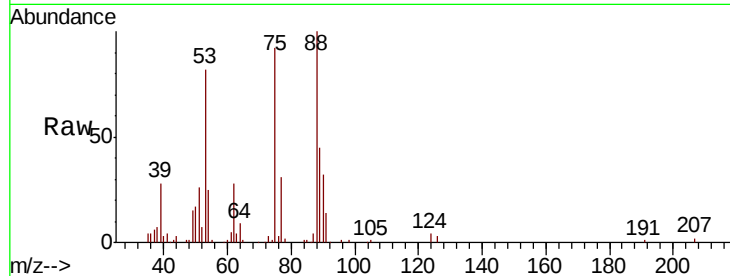
#81
trans-1,4-Dichloro-2-butene
Concen: 18.719 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.2	67.4	101.0
89	48.1	37.4	56.0

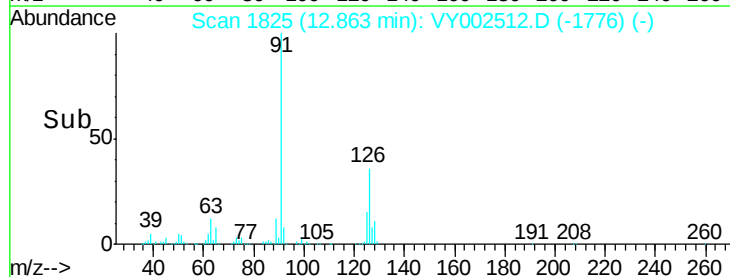
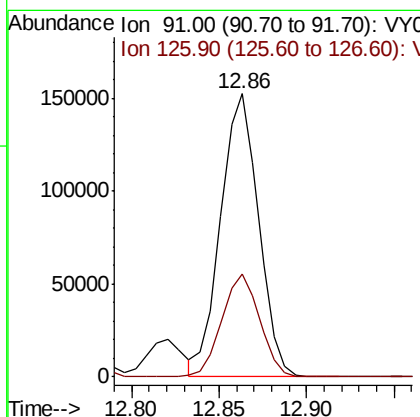
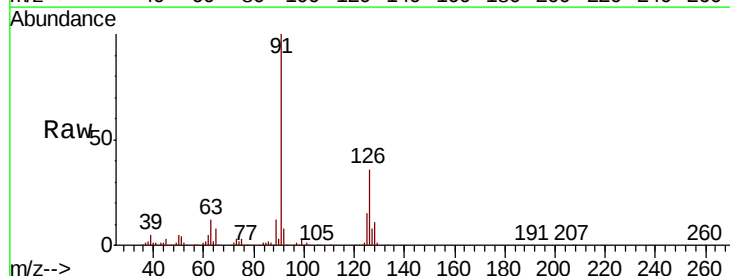
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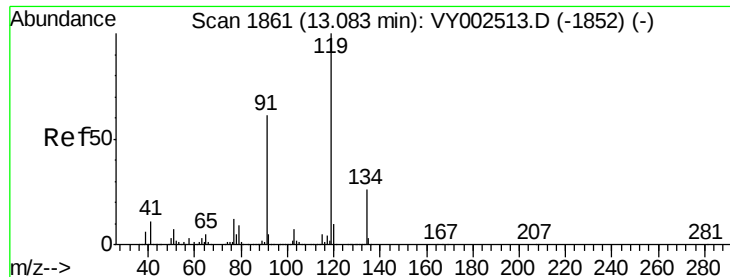
MMDadoda
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#82
4-Chlorotoluene
Concen: 18.857 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.2	18.5	55.5





#83

tert-Butylbenzene

Concen: 18.883 ug/l

RT: 13.08 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Instrument :

MSVOA_Y

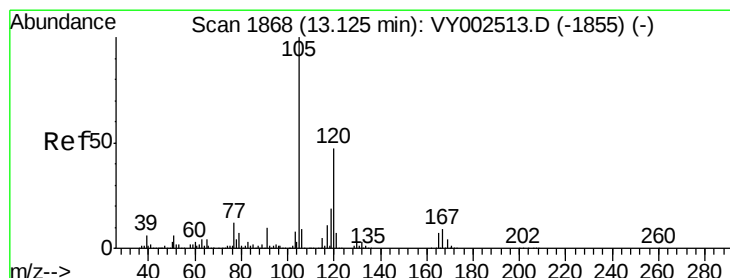
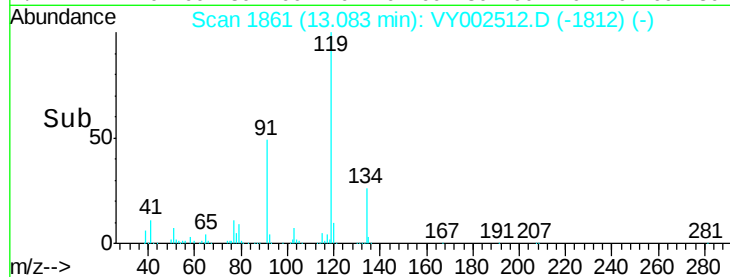
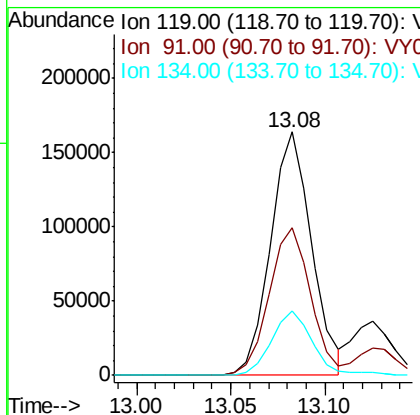
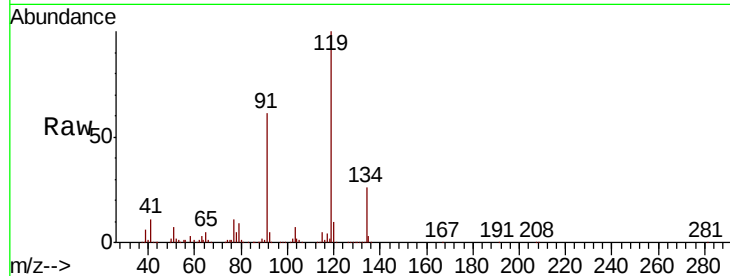
ClientSampleId :

VSTDIC020

Tot Ion:	119	Resp:	247168
Ion Ratio	Lower	Upper	
119	100		
91	61.2	30.6	91.6
134	27.0	13.5	40.4

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#84

1,2,4-Trimethylbenzene

Concen: 18.919 ug/l

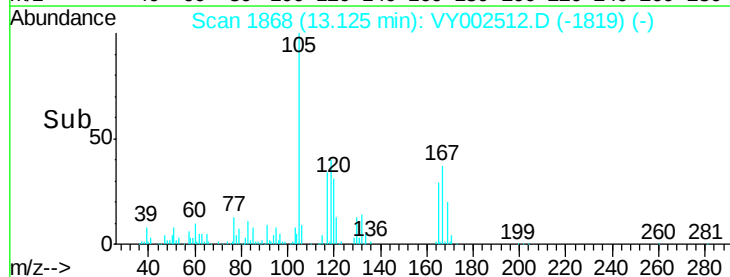
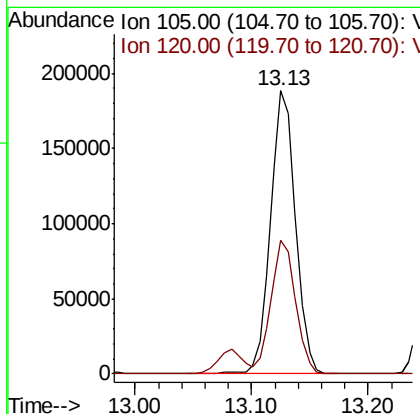
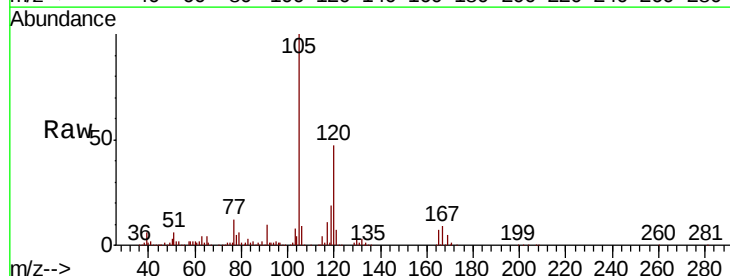
RT: 13.13 min Scan# 1868

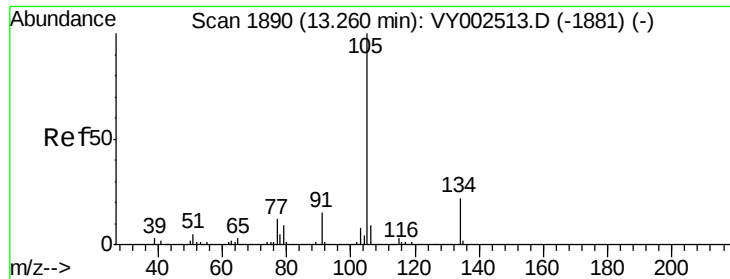
Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Tgt Ion:	105	Resp:	281463
Ion Ratio	Lower	Upper	
105	100		
120	46.4	23.4	70.3





#85

sec-Butylbenzene

Concen: 18.848 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 342340

Ion Ratio Lower Upper

105 100

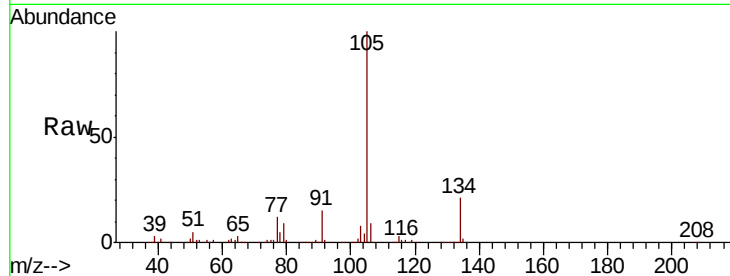
134 21.2 10.8 32.3

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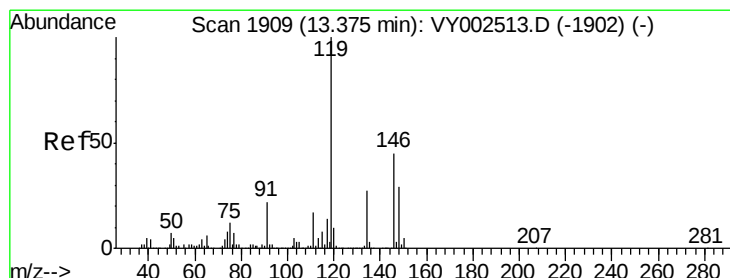
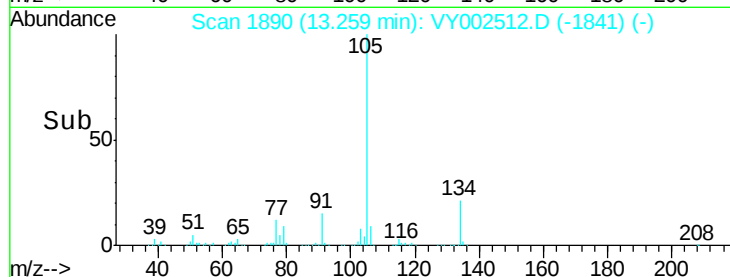
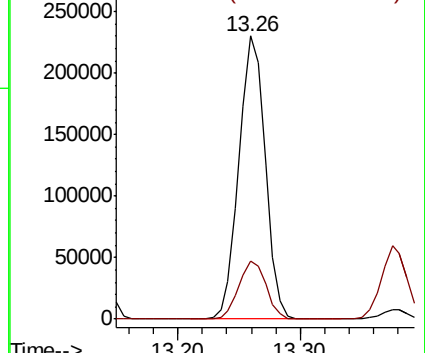
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.869 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

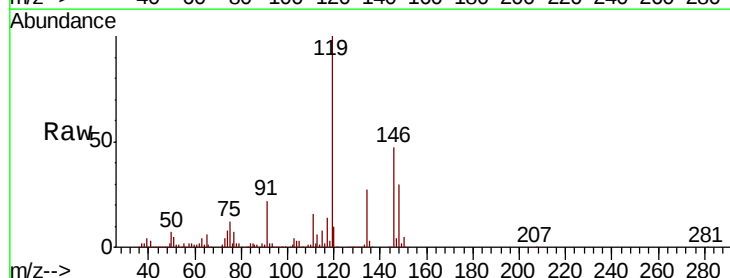
Tgt Ion:119 Resp: 321118

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.5

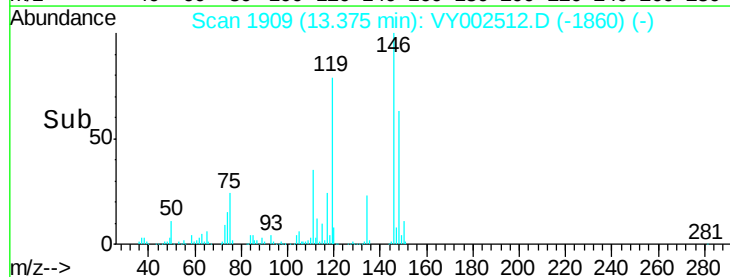
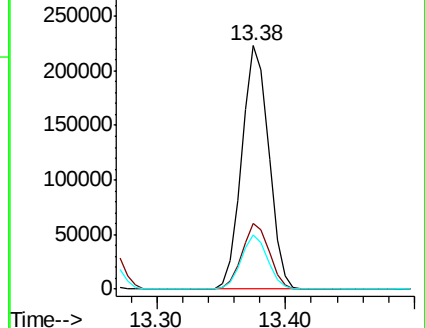
91 21.9 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 18.886 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

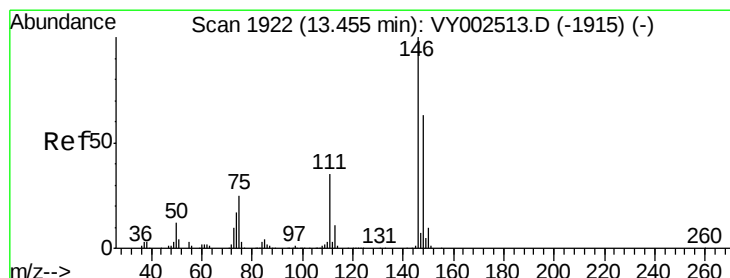
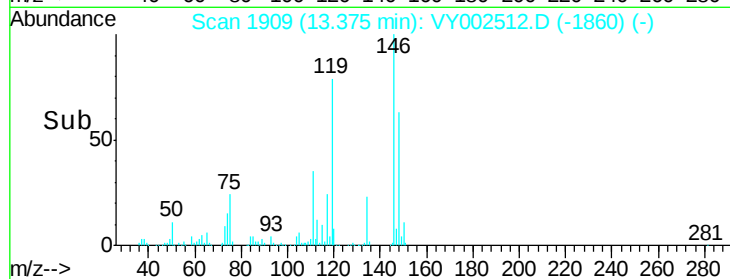
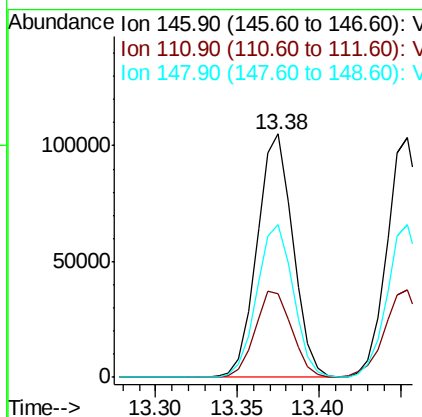
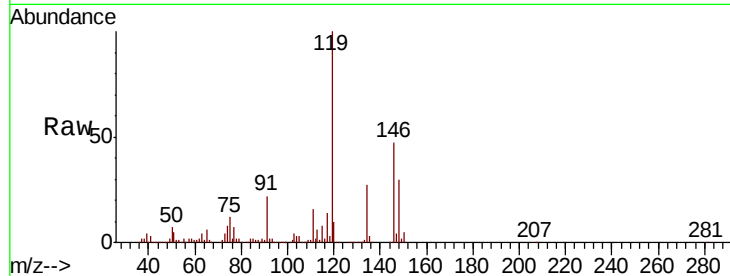
Instrument :
MSVOA_Y

ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	160832		
111	36.4	18.8	56.3	
148	63.5	32.1	96.3	

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#88

1,4-Dichlorobenzene

Concen: 18.895 ug/l

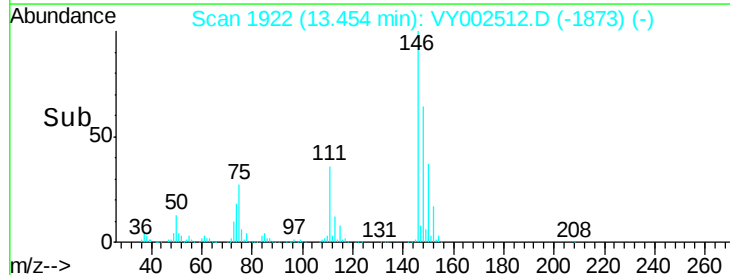
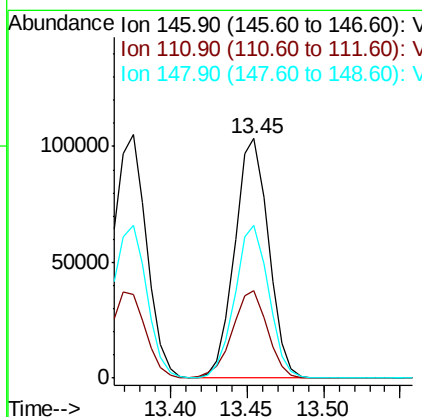
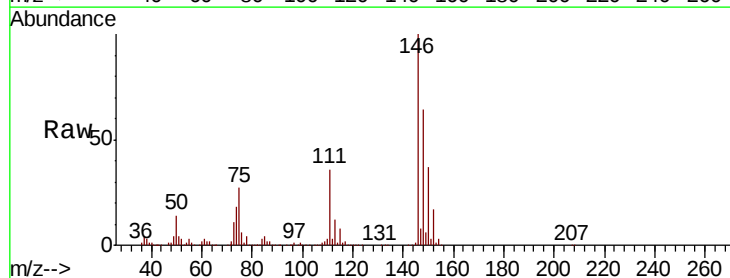
RT: 13.45 min Scan# 1922

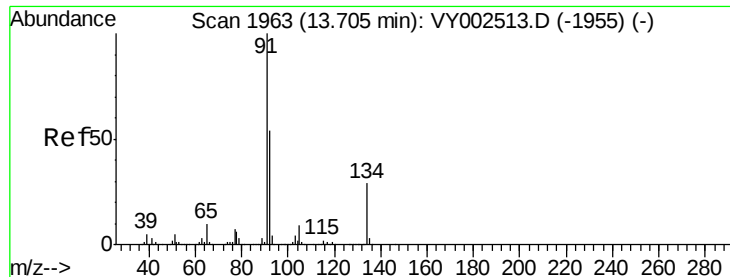
Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	159332		
111	37.9	18.1	54.1	
148	63.7	31.9	95.5	





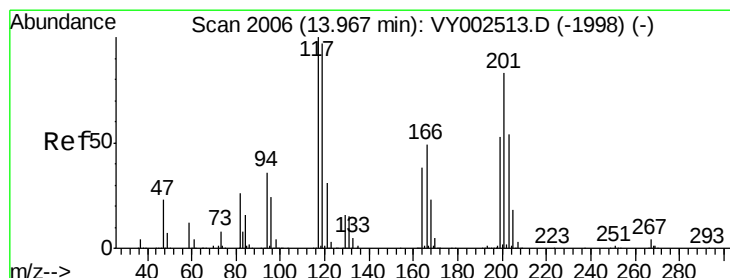
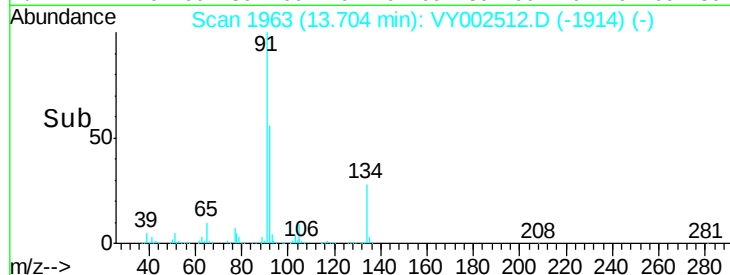
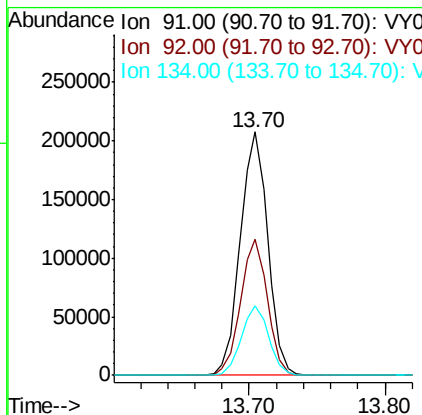
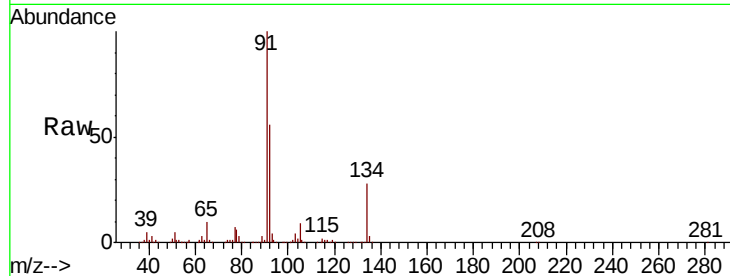
#89
n-Butylbenzene
Concen: 18.833 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.1	81.3
134	28.4	14.4	43.0

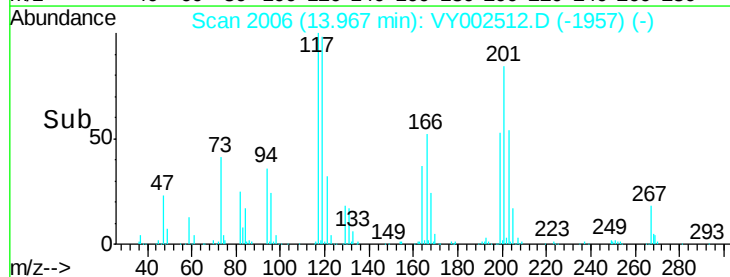
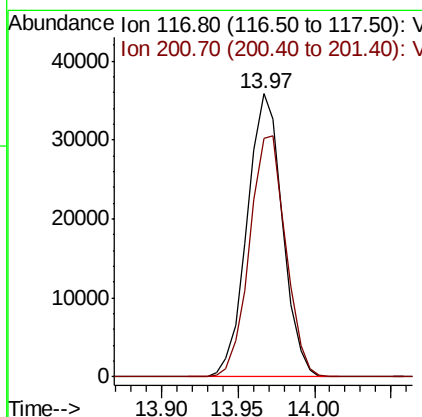
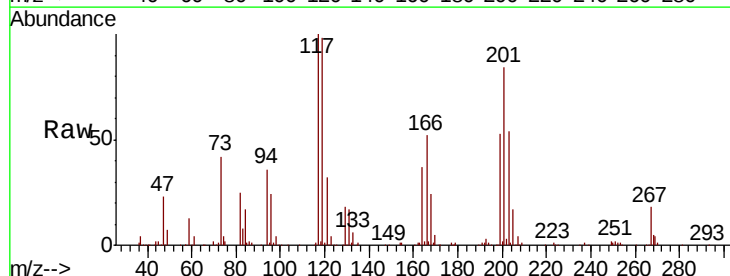
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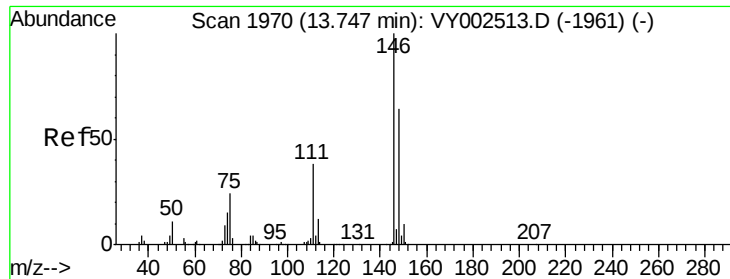
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#90
Hexachloroethane
Concen: 18.619 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.8	44.4	133.2





#91

1,2-Dichlorobenzene

Concen: 18.897 ug/l

RT: 13.75 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Instrument :

MSVOA_Y

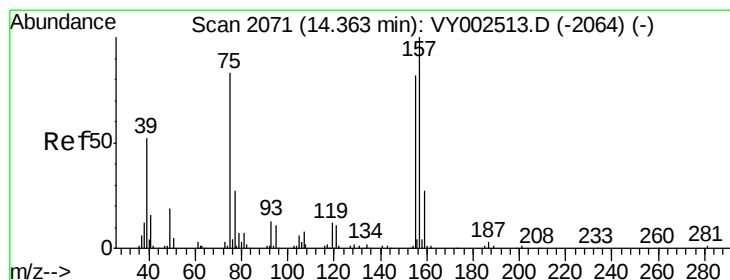
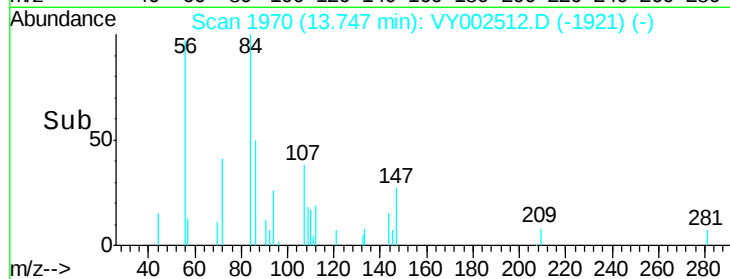
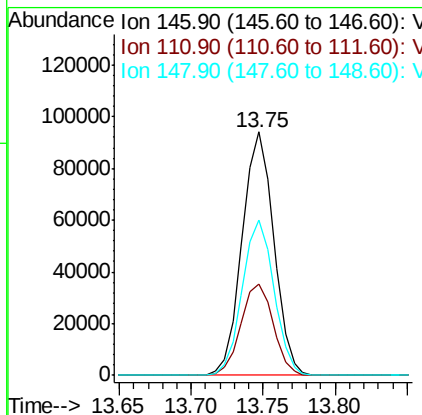
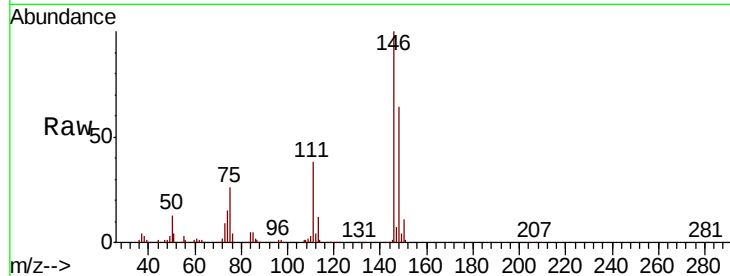
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	143594
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.1	57.5
148	63.8	31.9	95.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.749 ug/l

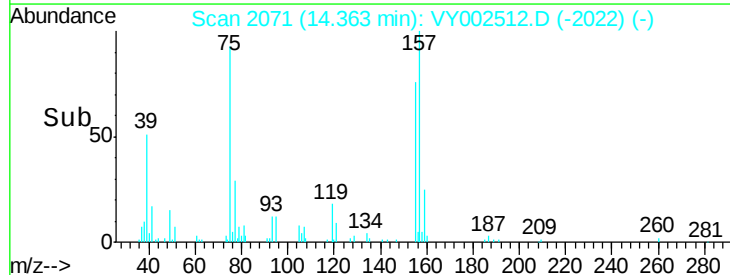
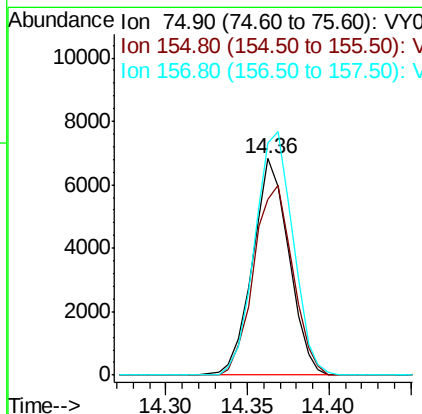
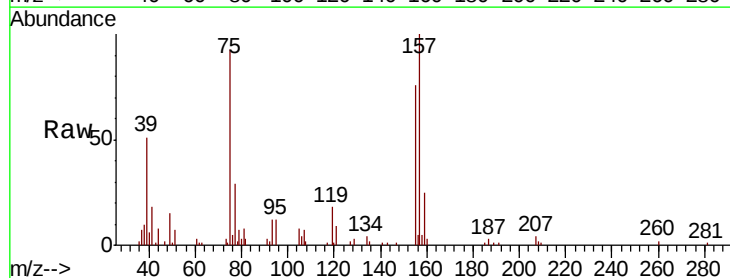
RT: 14.36 min Scan# 2071

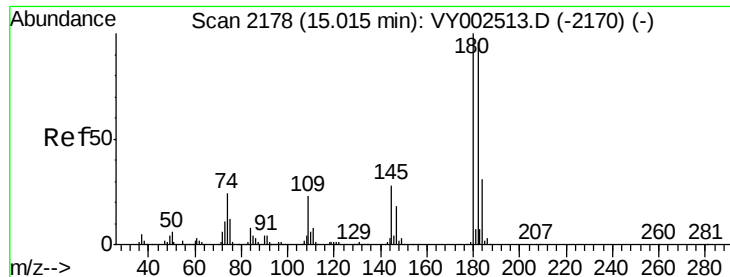
Delta R.T. -0.00 min

Lab File: VY002512.D

Acq: 30 Apr 2020 15:01

Tgt Ion:	75	Resp:	10544
Ion Ratio	Lower	Upper	
75	100		
155	93.9	51.3	153.9
157	118.0	65.0	195.0





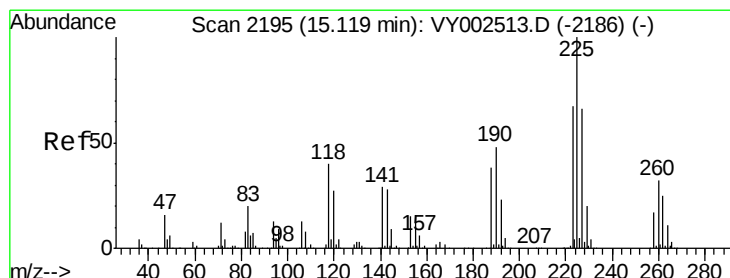
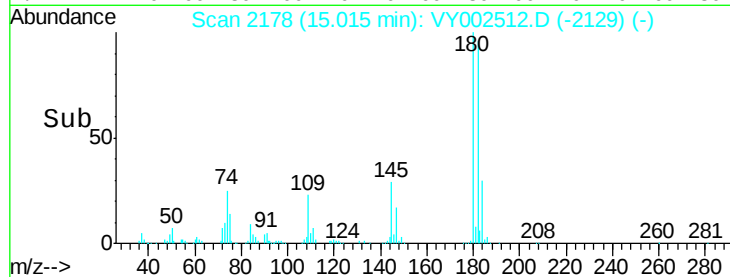
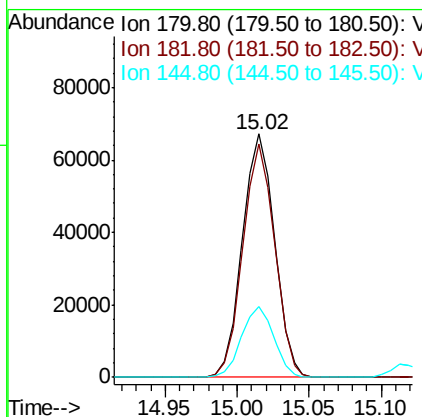
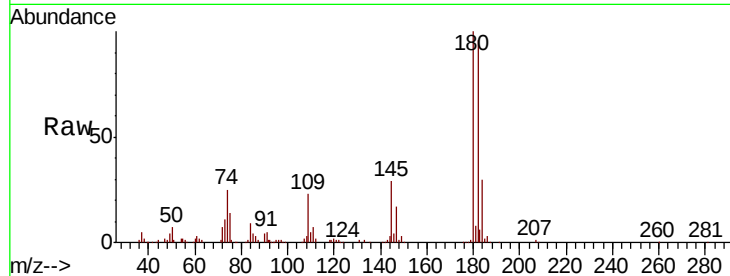
#93
 1,2,4-Trichlorobenzene
 Concen: 18.923 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY002512.D
 Acq: 30 Apr 2020 15:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	104396		
182	94.5	47.9	143.6	
145	29.0	14.4	43.0	

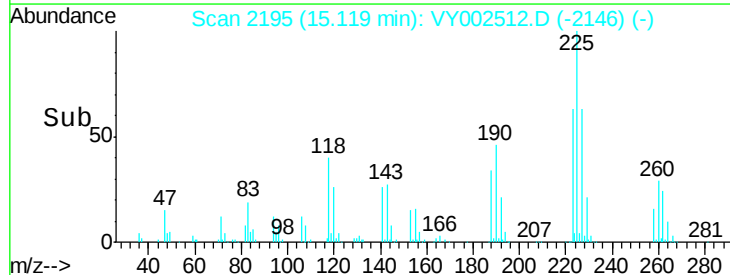
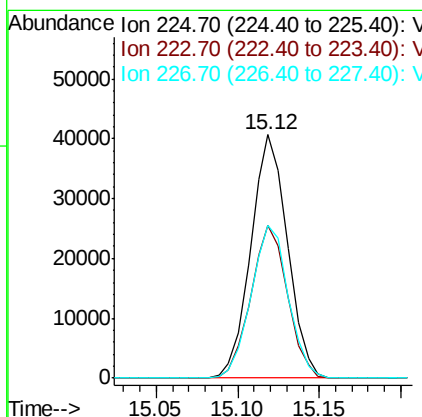
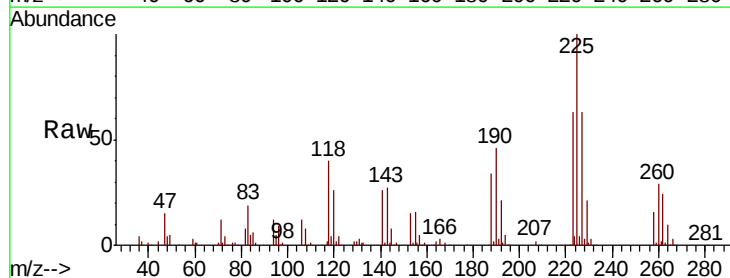
Manual Integrations
 APPROVED

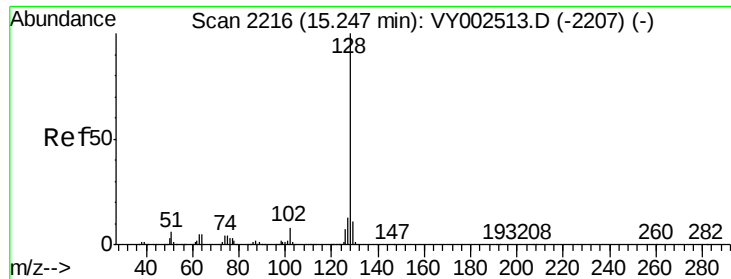
MMDadoda
 5/5/2020 4:31:05 PM



#94
 Hexachlorobutadiene
 Concen: 19.109 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY002512.D
 Acq: 30 Apr 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	63279		
223	63.0	32.1	96.5	
227	63.7	32.0	96.2	





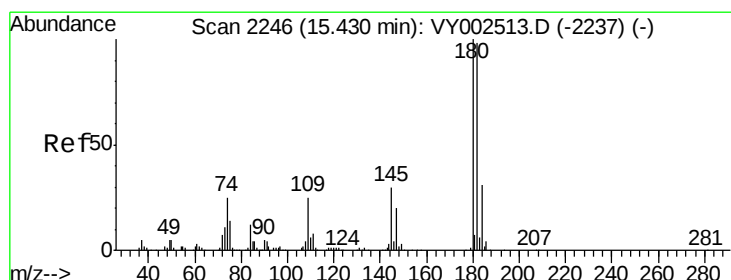
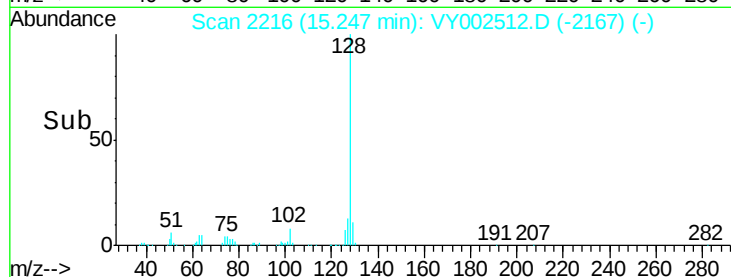
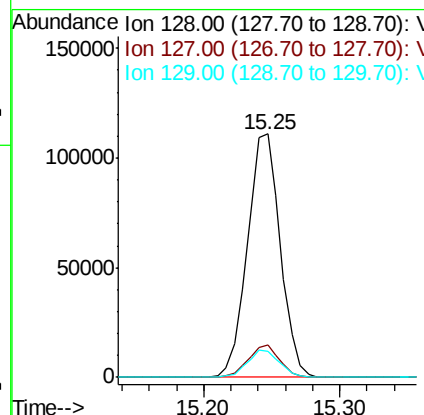
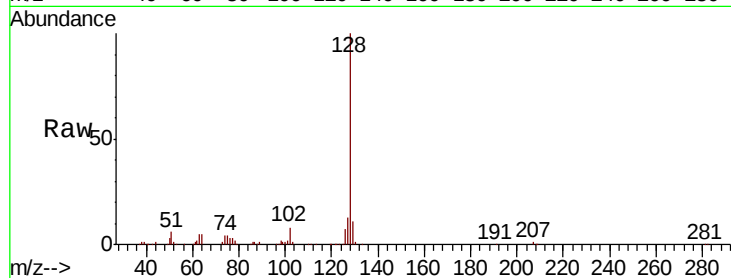
#95
Naphthalene
Concen: 18.615 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	187342		
127	12.7	10.5	15.7	
129	11.1	8.8	13.2	

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 18.961 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.00 min
Lab File: VY002512.D
Acq: 30 Apr 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	88799		
182	94.3	47.9	143.8	
145	30.8	15.0	45.1	

