

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001643.D
 Acq On : 17 Feb 2020 14:11
 Operator : SY/MD
 Sample : VY0217SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 10:49:29 AM

Quant Time: Feb 17 15:40:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	201038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	353886	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	315541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	151230	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	108985	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
35) Dibromofluoromethane	7.74	113	101725	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
50) Toluene-d8	10.19	98	432910	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
62) 4-Bromofluorobenzene	12.49	95	153712	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	35713	18.224	ug/l	99
3) Chloromethane	2.13	50	51705	19.616	ug/l	96
4) Vinyl Chloride	2.26	62	52405	19.712	ug/l	100
5) Bromomethane	2.66	94	35228	21.202	ug/l	96
6) Chloroethane	2.80	64	33629	20.527	ug/l	96
7) Trichlorofluoromethane	3.14	101	68053	20.000	ug/l	98
8) Diethyl Ether	3.55	74	25168	18.763	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	43197	20.198	ug/l	99
10) Methyl Iodide	4.11	142	48628	18.578	ug/l	99
11) Tert butyl alcohol	4.98	59	27995	96.165	ug/l	96
12) 1,1-Dichloroethene	3.89	96	43456	19.922	ug/l	93
13) Acrolein	3.76	56	19404	88.847	ug/l	99
14) Allyl chloride	4.51	41	77593	19.987	ug/l	98
15) Acrylonitrile	5.20	53	59951	87.195	ug/l	100
16) Acetone	3.97	43	54427	72.741	ug/l	98
17) Carbon Disulfide	4.22	76	143504	19.706	ug/l	98
18) Methyl Acetate	4.51	43	27498	16.876	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	110600	18.211	ug/l	98
20) Methylene Chloride	4.74	84	51460	19.362	ug/l	96
21) trans-1,2-Dichloroethene	5.25	96	48702	19.569	ug/l	95
22) Diisopropyl ether	6.14	45	155238	19.472	ug/l	96
23) Vinyl Acetate	6.09	43	475438	91.425	ug/l	99
24) 1,1-Dichloroethane	6.05	63	85785	20.133	ug/l	98
25) 2-Butanone	7.01	43	79997	78.703	ug/l	96
26) 2,2-Dichloropropane	7.01	77	74684	20.146	ug/l	98
27) cis-1,2-Dichloroethene	7.01	96	54971	20.011	ug/l	99
28) Bromochloromethane	7.36	49	31989	18.022	ug/l	98
29) Tetrahydrofuran	7.37	42	50613	82.383	ug/l	100
30) Chloroform	7.53	83	81205	19.504	ug/l	99
31) Cyclohexane	7.80	56	89956	19.801	ug/l	94
32) 1,1,1-Trichloroethane	7.72	97	69612	19.893	ug/l	99
36) 1,1-Dichloropropene	7.94	75	67828	20.066	ug/l	99
37) Ethyl Acetate	7.10	43	33696	16.702	ug/l	98
38) Carbon Tetrachloride	7.92	117	61157	20.598	ug/l	94

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Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	89727	20.008	ug/l	98
40) Benzene	8.18	78	200848	20.203	ug/l	99
41) Methacrylonitrile	7.34	41	18252m	18.017	ug/l	
42) 1,2-Dichloroethane	8.25	62	52176	19.264	ug/l	100
43) Isopropyl Acetate	8.29	43	67724	17.692	ug/l	99
44) Trichloroethene	8.96	130	48441	19.519	ug/l	99
45) 1,2-Dichloropropane	9.23	63	49614	19.927	ug/l	99
46) Dibromomethane	9.32	93	24915	19.132	ug/l	99
47) Bromodichloromethane	9.51	83	61850	19.679	ug/l	99
48) Methyl methacrylate	9.31	41	30680	17.721	ug/l	96
49) 1,4-Dioxane	9.32	88	6292	342.088	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	168077	85.458	ug/l	98
52) Toluene	10.25	92	125699	20.270	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	66817	19.230	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	78635	19.664	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	36268	18.887	ug/l	95
56) Ethyl methacrylate	10.52	69	52480	18.218	ug/l	97
57) 1,3-Dichloropropane	10.80	76	65027	19.059	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	135227	114.457	ug/l	100
59) 2-Hexanone	10.84	43	118763	80.479	ug/l	100
60) Dibromochloromethane	10.99	129	40793	19.269	ug/l	97
61) 1,2-Dibromoethane	11.10	107	34524	19.015	ug/l	98
64) Tetrachloroethene	10.72	164	40357	20.374	ug/l	99
65) Chlorobenzene	11.52	112	128005	20.319	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	43100	20.281	ug/l	99
67) Ethyl Benzene	11.60	91	240204	20.546	ug/l	97
68) m/p-Xylenes	11.70	106	182340	41.754	ug/l	98
69) o-Xylene	12.03	106	85165	20.513	ug/l	98
70) Styrene	12.05	104	147225	20.404	ug/l	99
71) Bromoform	12.21	173	22141	18.231	ug/l #	99
73) Isopropylbenzene	12.33	105	231634	20.105	ug/l	99
74) N-amyl acetate	12.15	43	64170	17.452	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.59	83	42373	17.225	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	29455m	16.979	ug/l	
77) Bromobenzene	12.61	156	50003	20.021	ug/l	93
78) n-propylbenzene	12.67	91	289365	20.622	ug/l	100
79) 2-Chlorotoluene	12.76	91	158174	20.099	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	194545	20.399	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	15009	16.414	ug/l	91
82) 4-Chlorotoluene	12.86	91	167058	20.127	ug/l	98
83) tert-Butylbenzene	13.08	119	161627	20.263	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	192150	20.210	ug/l	99
85) sec-Butylbenzene	13.26	105	241109	20.553	ug/l	99
86) p-Isopropyltoluene	13.38	119	211274	20.731	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	98453	20.326	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	97039	19.819	ug/l	98
89) n-Butylbenzene	13.70	91	215274	20.673	ug/l	99
90) Hexachloroethane	13.96	117	38665	20.137	ug/l	95
91) 1,2-Dichlorobenzene	13.74	146	88094	19.708	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6942	17.099	ug/l	96

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ClientSampleId :
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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	59773	20.178	ug/l	100
94) Hexachlorobutadiene	15.11	225	30643	20.801	ug/l	97
95) Naphthalene	15.24	128	124996	18.301	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	49244	18.896	ug/l	98

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

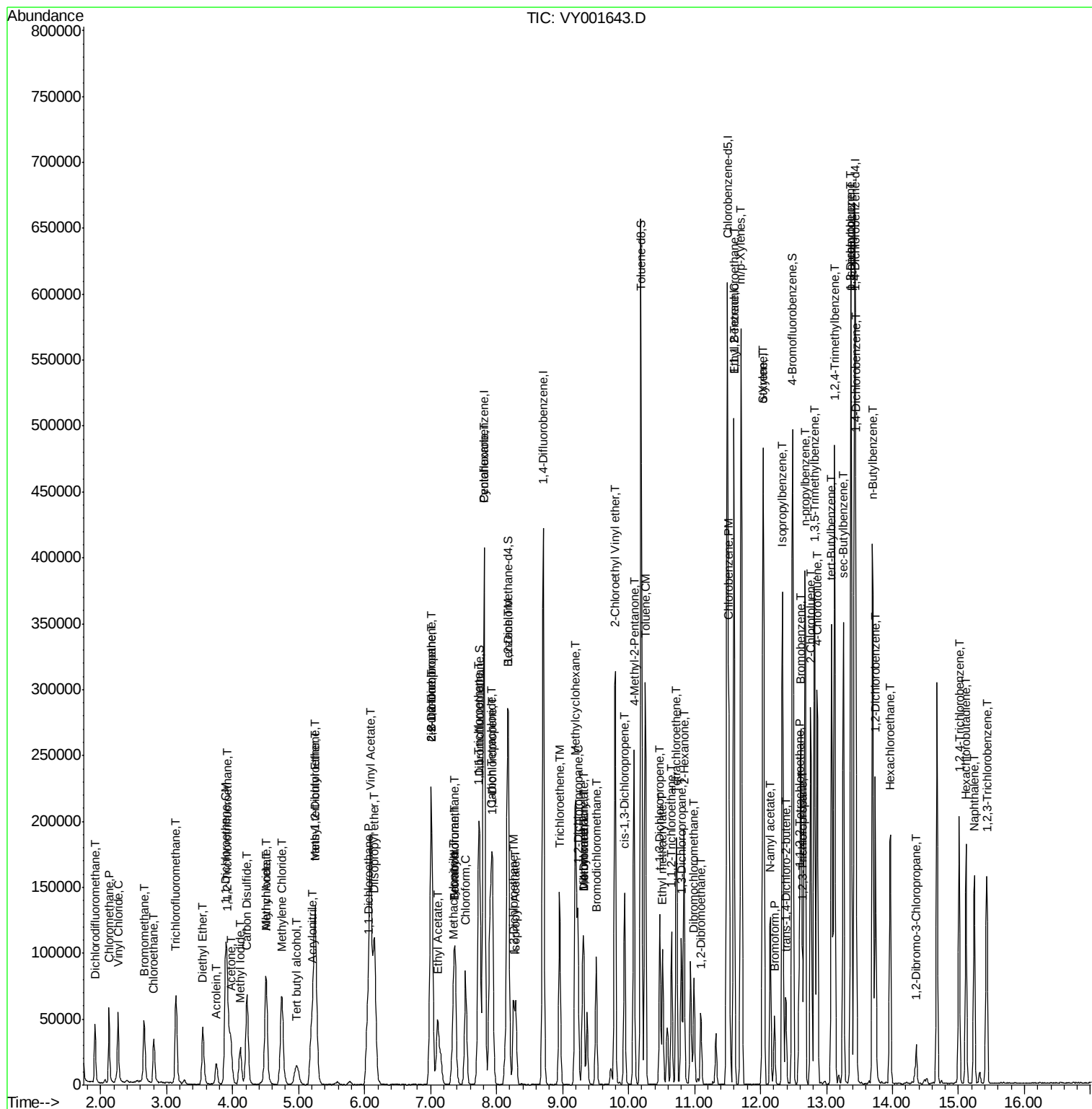
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 Data File : VY001643.D
 Acq On : 17 Feb 2020 14:11
 Operator : SY/MD
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 Misc : 5.00G/5ML/MSVOA Y/SOIL
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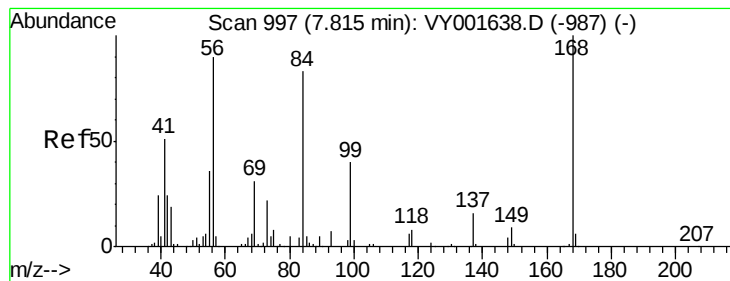
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion:168 Resp: 201038

Ion Ratio Lower Upper

168 100

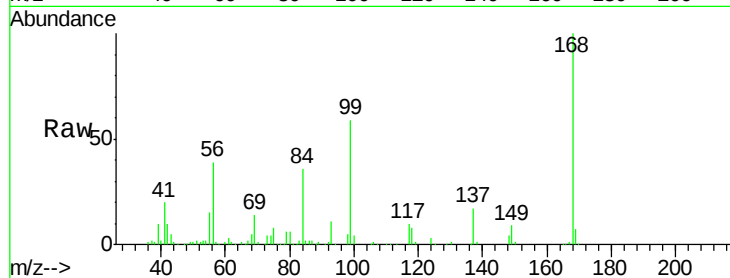
99 59.1 47.5 71.3

Manual Integrations

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2/19/2020 10:49:29 AM



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

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)

7.81

80000

60000

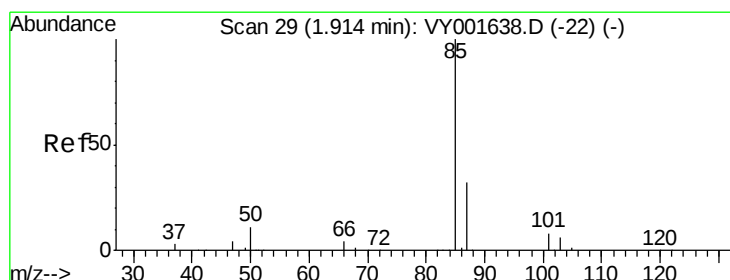
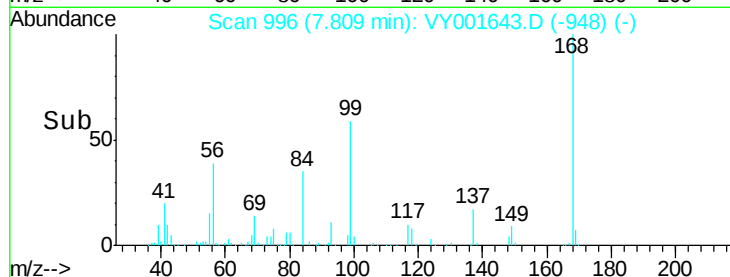
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.224 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001643.D

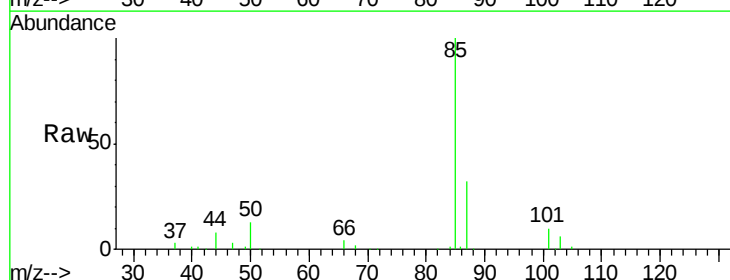
Acq: 17 Feb 2020 14:11

Tgt Ion: 85 Resp: 35713

Ion Ratio Lower Upper

85 100

87 31.7 16.2 48.6



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

Ion 86.90 (86.60 to 87.60): VY001638.D (-22) (-)

1.91

25000

20000

15000

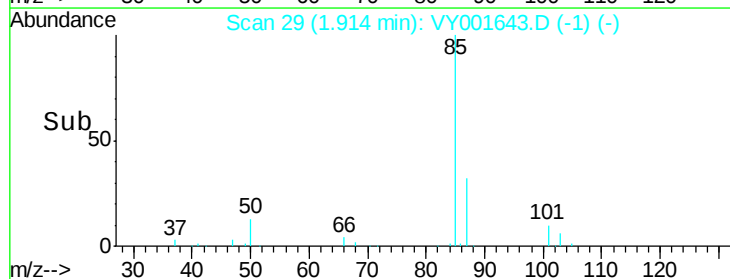
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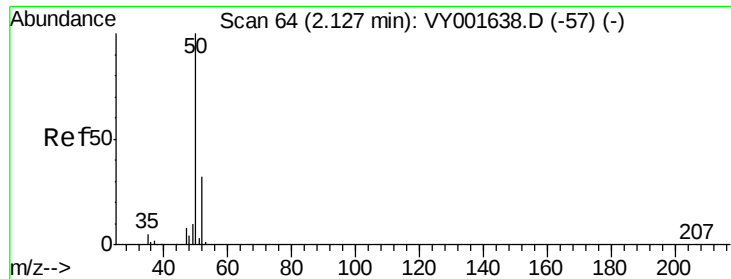
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 19.616 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion: 50 Resp: 51705

Ion Ratio Lower Upper

50 100

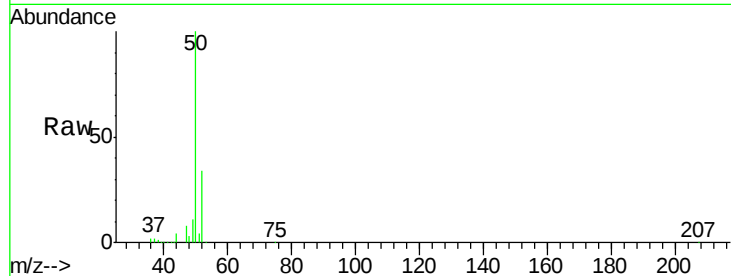
52 34.3 25.8 38.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.13

40000

30000

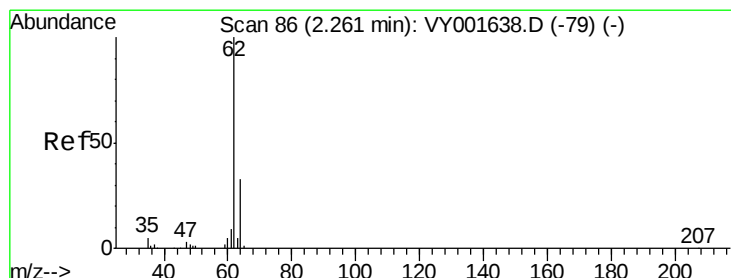
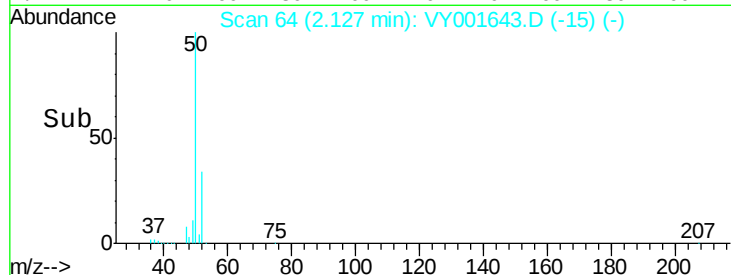
20000

10000

0

Time-->

2.05 2.10 2.15 2.20 2.25



#4

Vinyl Chloride

Concen: 19.712 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001643.D

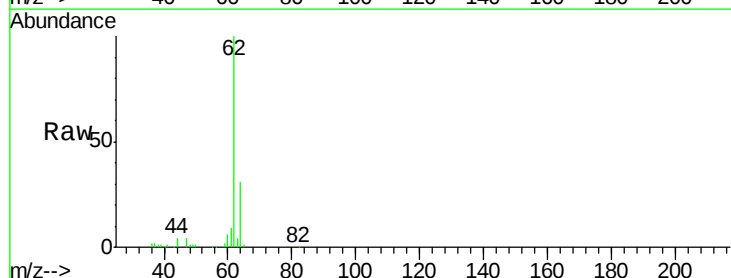
Acq: 17 Feb 2020 14:11

Tgt Ion: 62 Resp: 52405

Ion Ratio Lower Upper

62 100

64 31.3 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.26

30000

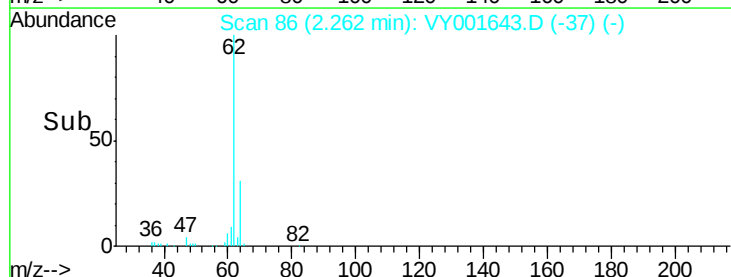
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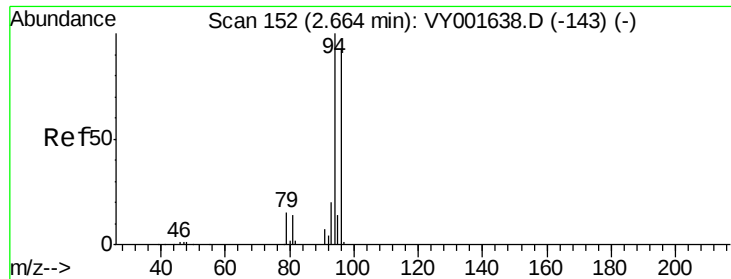
10000

0

Time-->

2.20 2.30 2.40





#5

Bromomethane

Concen: 21.202 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion: 94 Resp: 35228

Ion Ratio Lower Upper

94 100

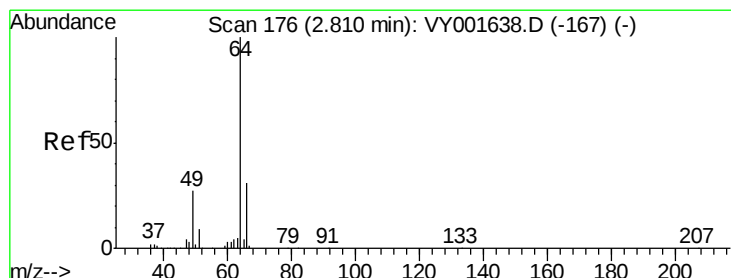
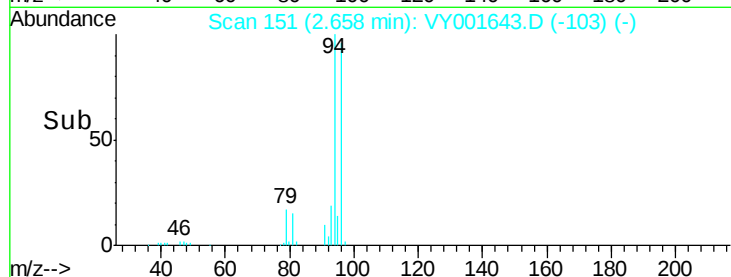
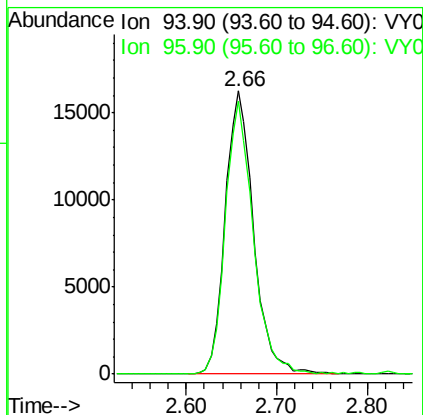
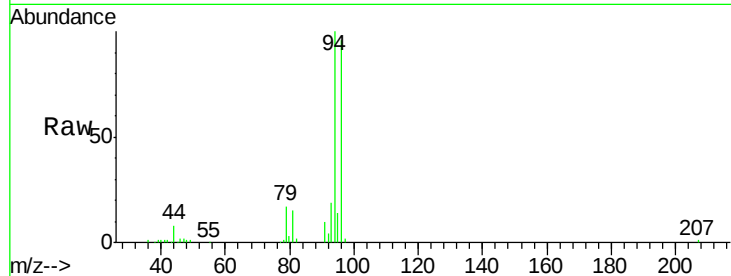
96 96.3 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 20.527 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001643.D

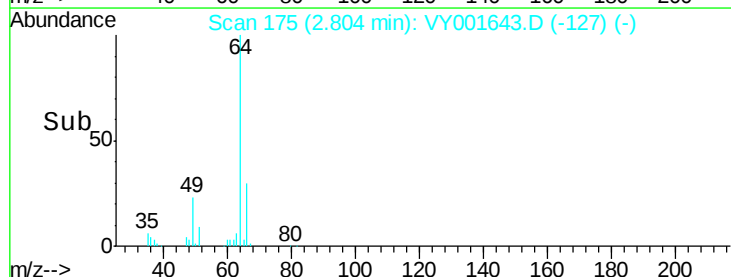
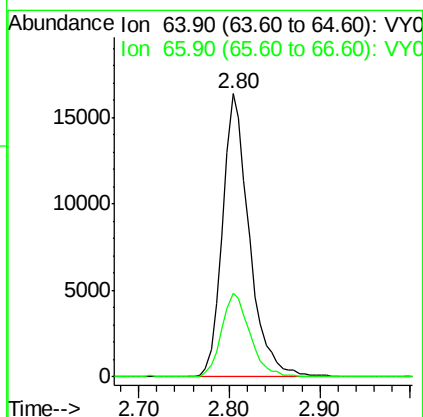
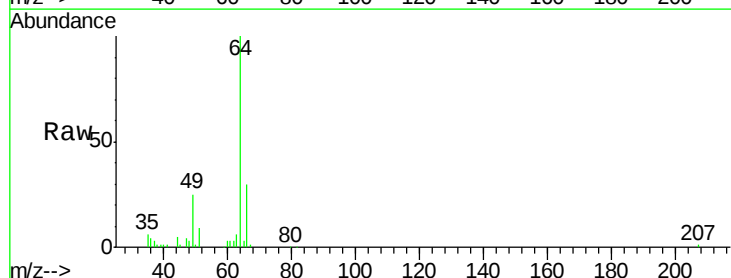
Acq: 17 Feb 2020 14:11

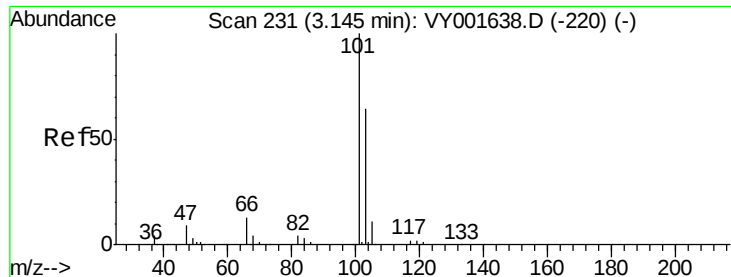
Tgt Ion: 64 Resp: 33629

Ion Ratio Lower Upper

64 100

66 29.7 25.5 38.3





#7

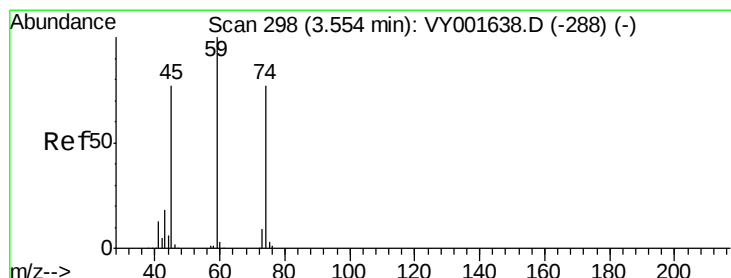
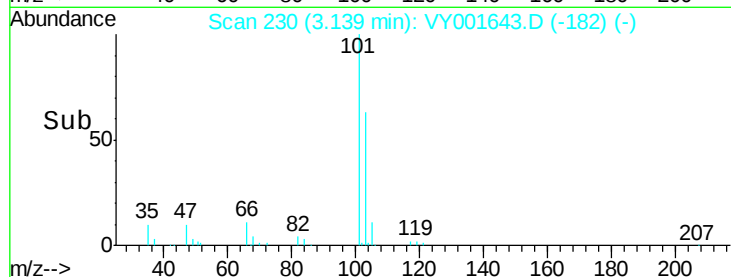
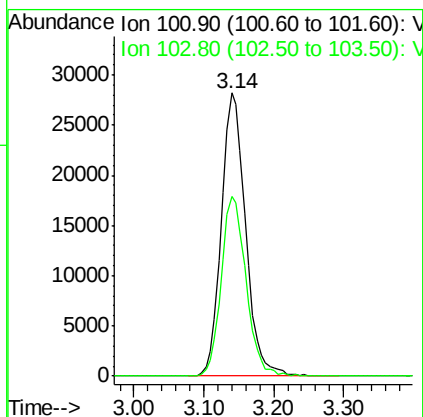
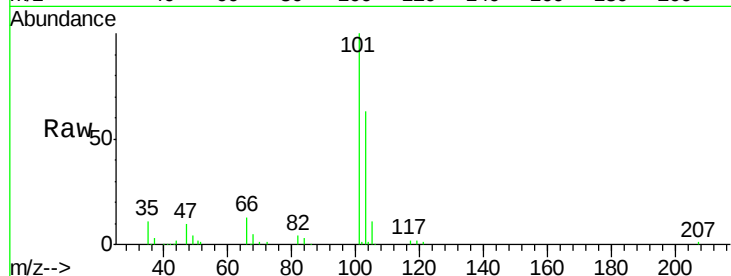
Trichlorofluoromethane
Concen: 20.000 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	52.2	78.2

Manual Integrations
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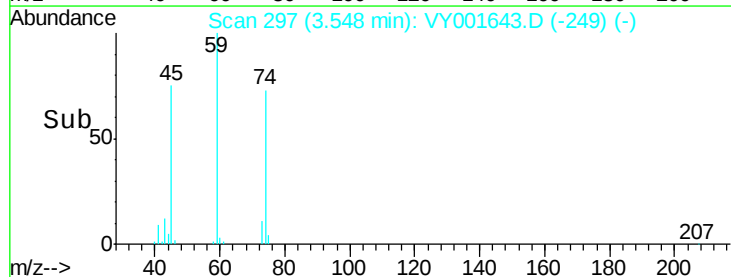
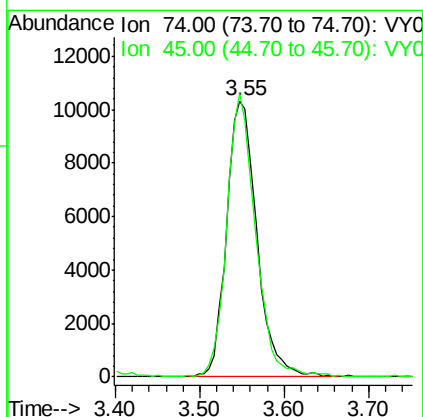
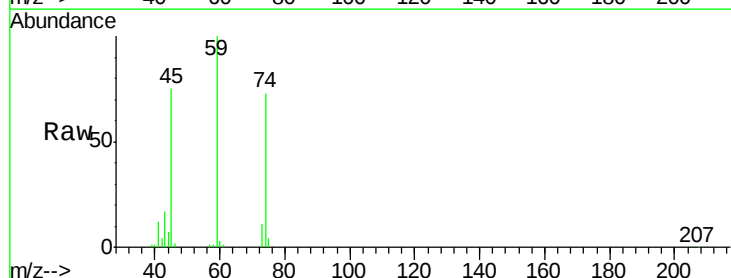
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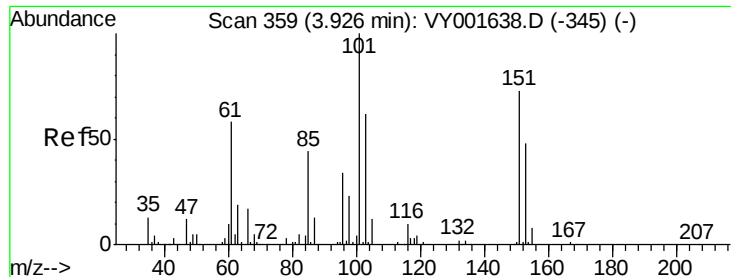


#8

Diethyl Ether
Concen: 18.763 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.0	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.198 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

Instrument :

MSVOA_Y

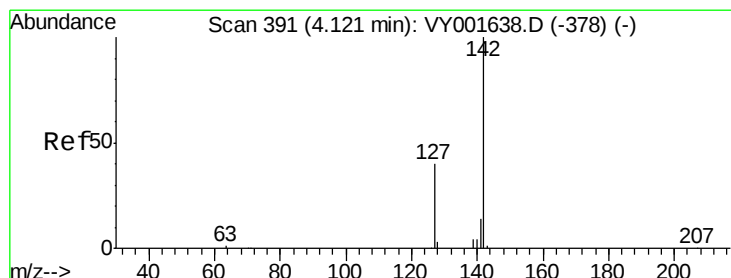
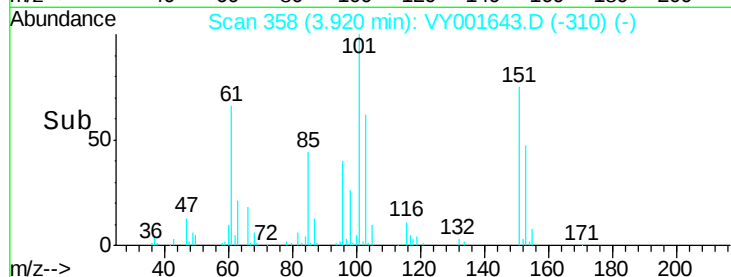
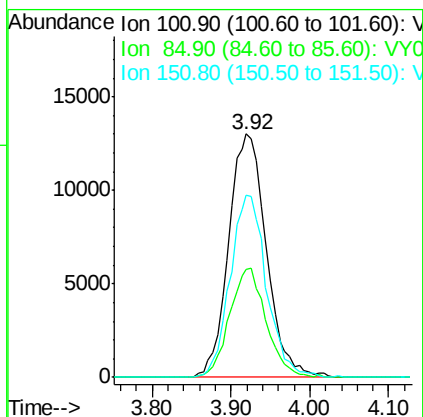
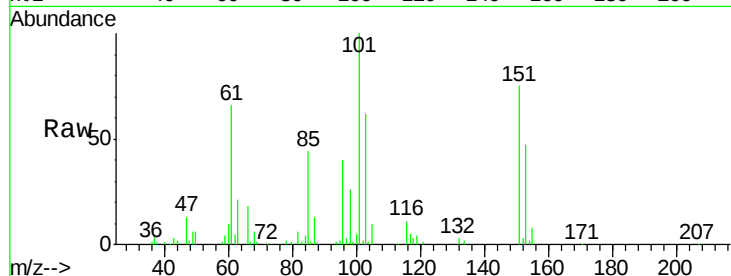
ClientSampleId :

VY0217SBS01

Tot Ion:	101	Resp:	43197
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.1	52.7
151	72.3	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 18.578 ug/l

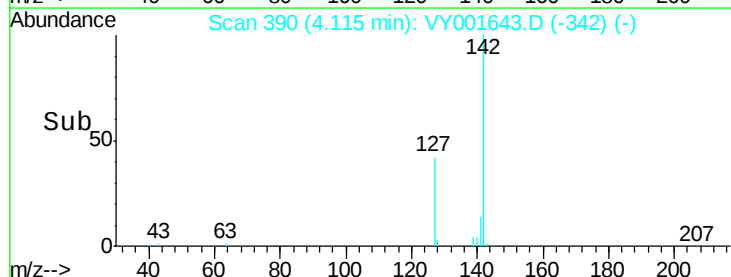
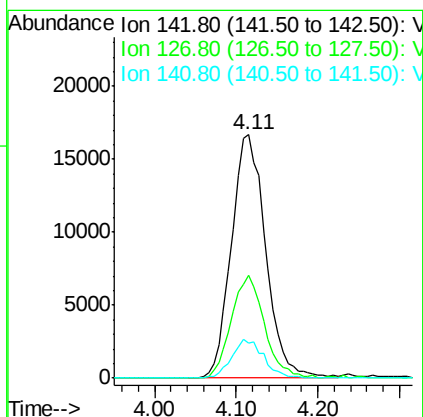
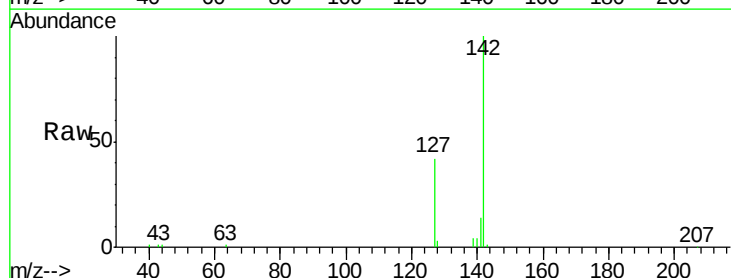
RT: 4.11 min Scan# 390

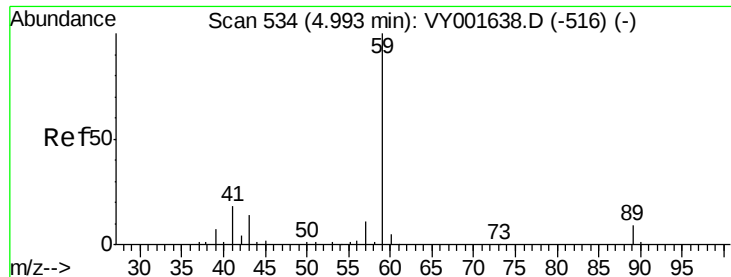
Delta R.T. -0.01 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

Tgt Ion:	142	Resp:	48628
Ion Ratio	Lower	Upper	
142	100		
127	40.6	32.1	48.1
141	14.6	11.3	16.9





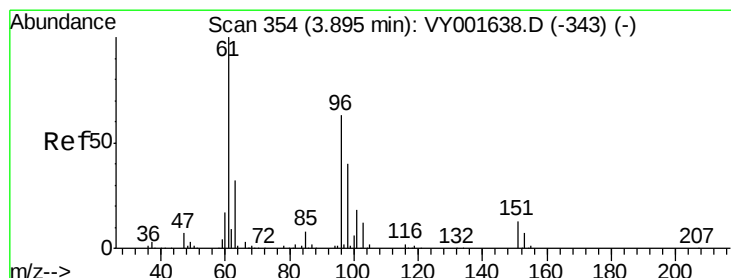
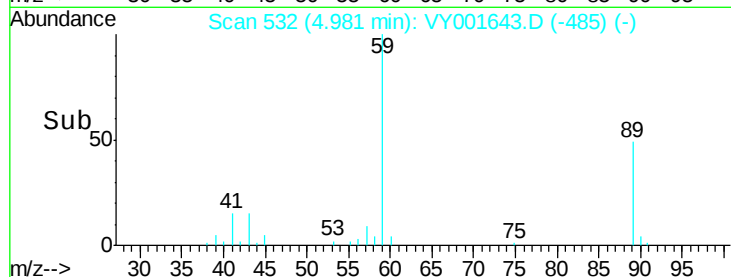
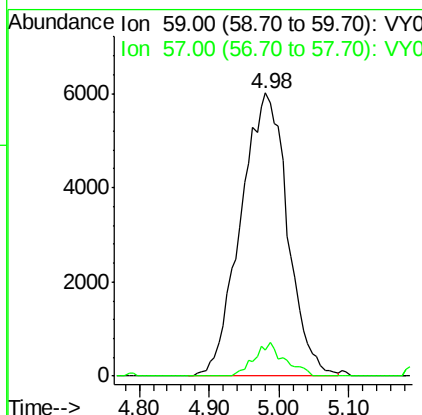
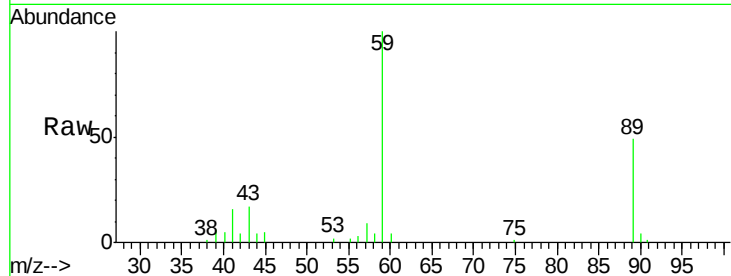
#11
Tert butyl alcohol
Concen: 96.165 ug/l
RT: 4.98 min Scan# 532
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion: 59 Resp: 27995
Ion Ratio Lower Upper
59 100
57 7.7 7.4 11.2

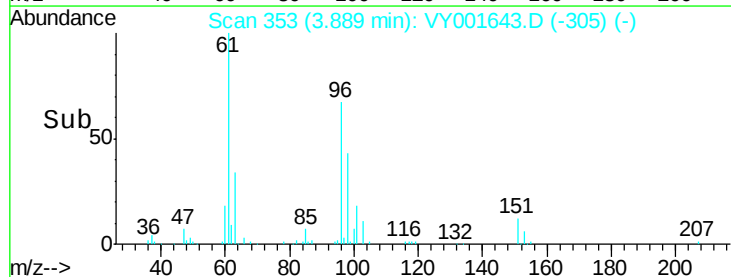
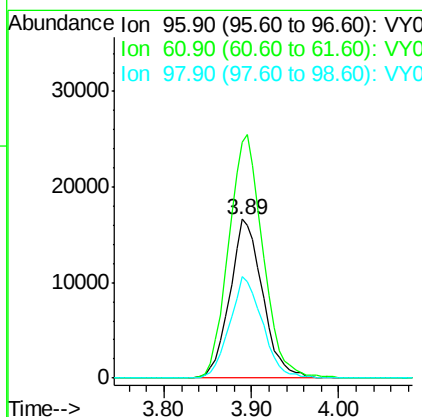
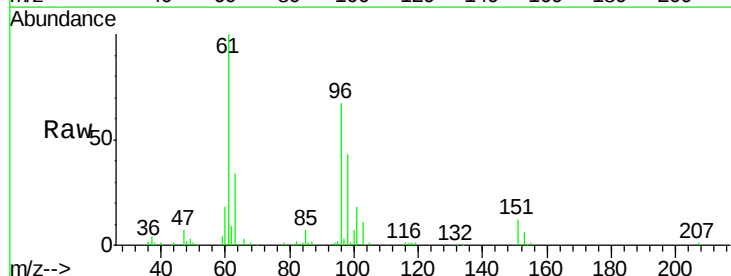
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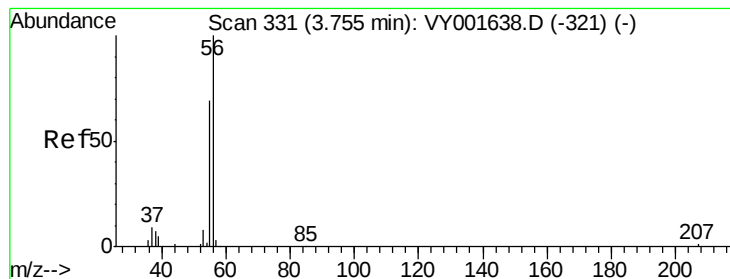
MMDadoda
2/19/2020 10:49:29 AM



#12
1,1-Dichloroethene
Concen: 19.922 ug/l
RT: 3.89 min Scan# 353
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Tgt Ion: 96 Resp: 43456
Ion Ratio Lower Upper
96 100
61 148.3 128.7 193.1
98 63.7 50.7 76.1





#13

Acrolein

Concen: 88.847 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion: 56 Resp: 19404

Ion Ratio Lower Upper

56 100

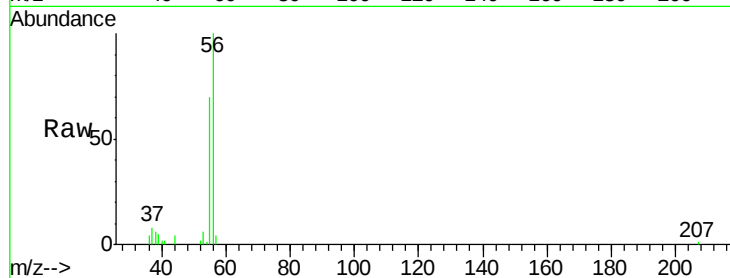
55 71.2 56.1 84.1

Manual Integrations

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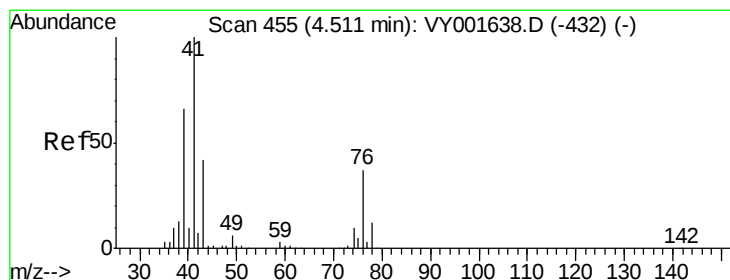
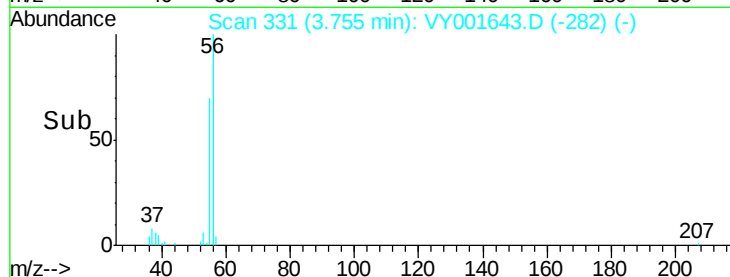
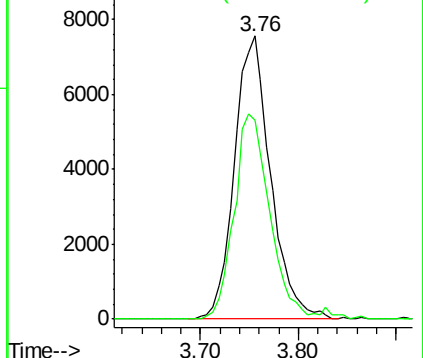
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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 19.987 ug/l

RT: 4.51 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

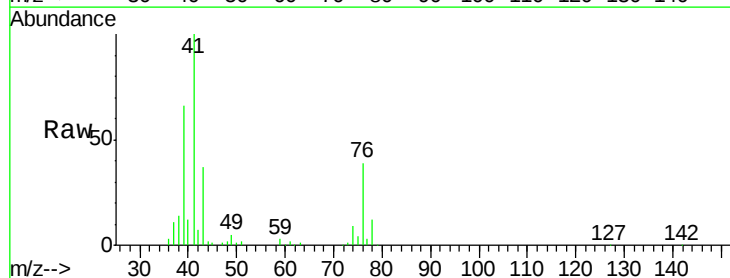
Tgt Ion: 41 Resp: 77593

Ion Ratio Lower Upper

41 100

39 64.3 49.4 74.0

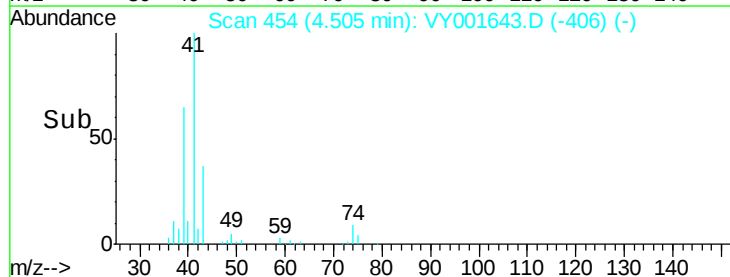
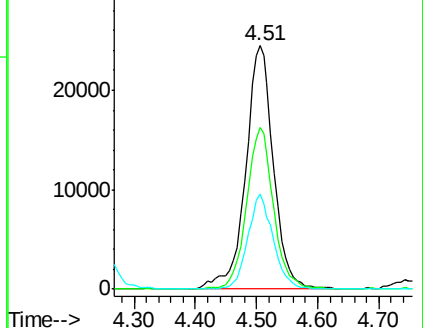
76 35.7 29.0 43.6

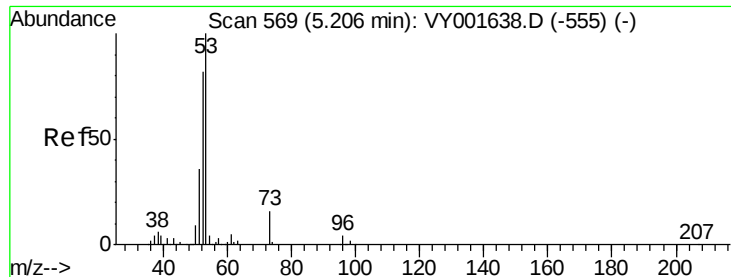


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 87.195 ug/l

RT: 5.20 min Scan# 568

Delta R.T. -0.01 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

Instrument :

MSVOA_Y

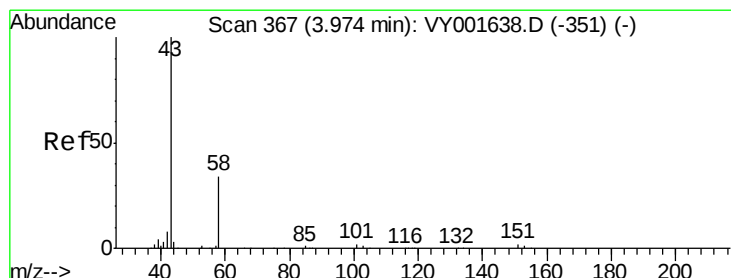
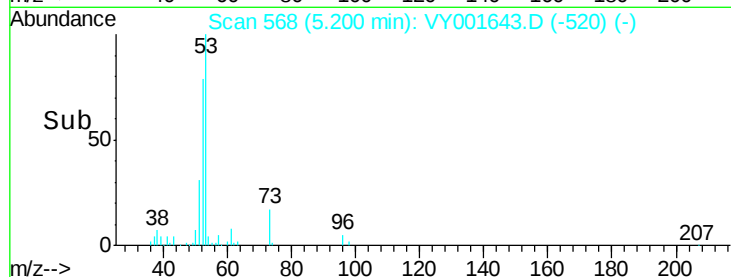
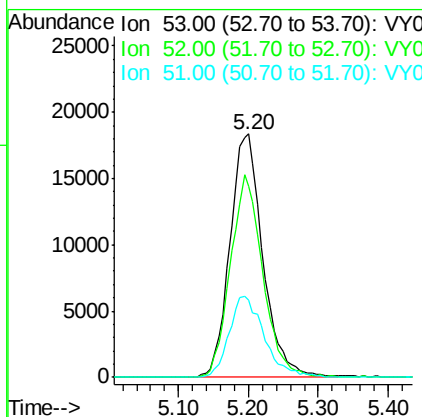
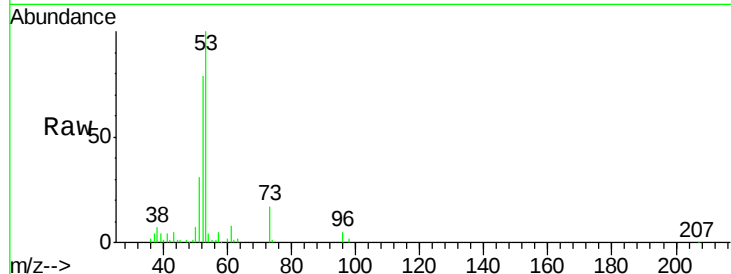
ClientSampleId :

VY0217SBS01

Tot Ion:	53	Resp:	59951
Ion Ratio	Lower	Upper	
53	100		
52	81.8	65.4	98.0
51	35.5	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 72.741 ug/l

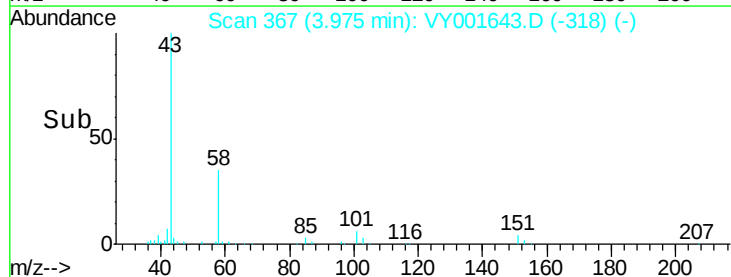
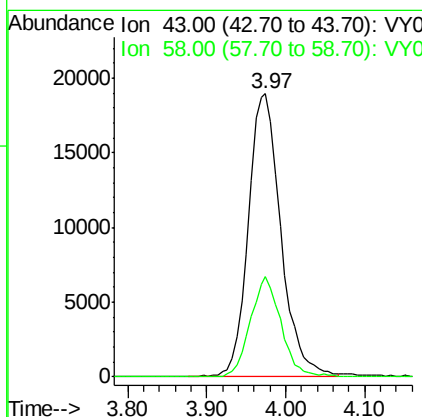
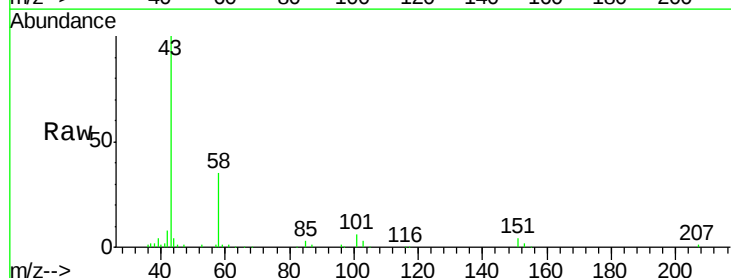
RT: 3.97 min Scan# 367

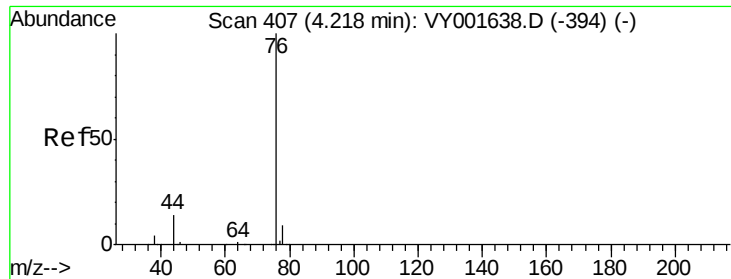
Delta R.T. 0.00 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

Tgt Ion:	43	Resp:	54427
Ion Ratio	Lower	Upper	
43	100		
58	35.2	27.3	40.9





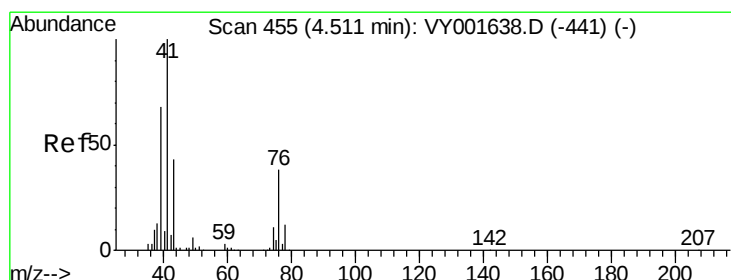
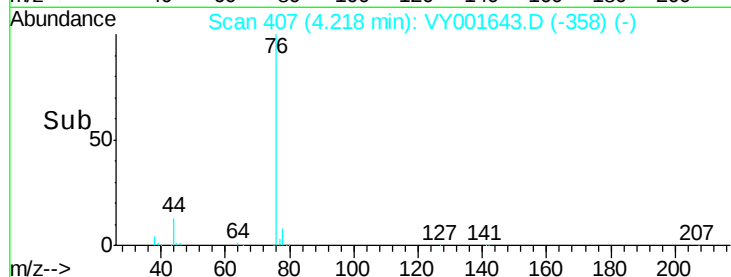
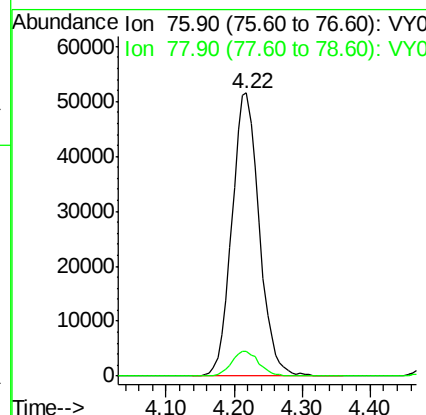
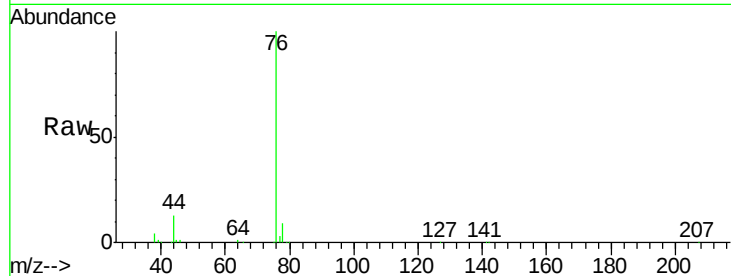
#17
Carbon Disulfide
Concen: 19.706 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.00 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

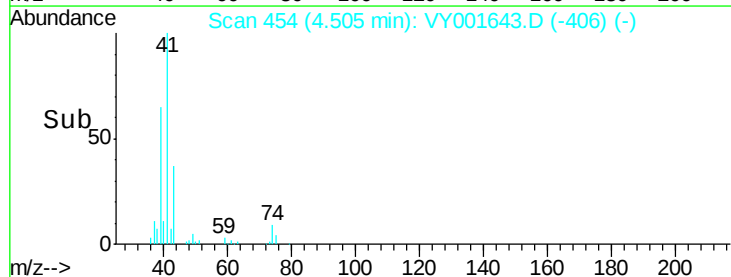
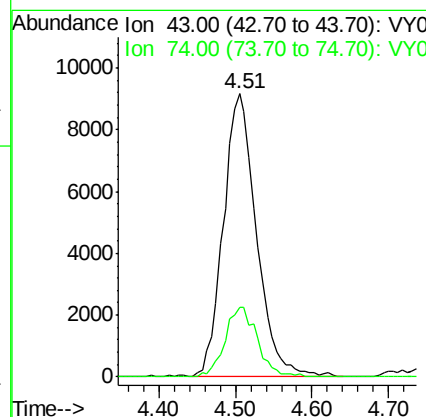
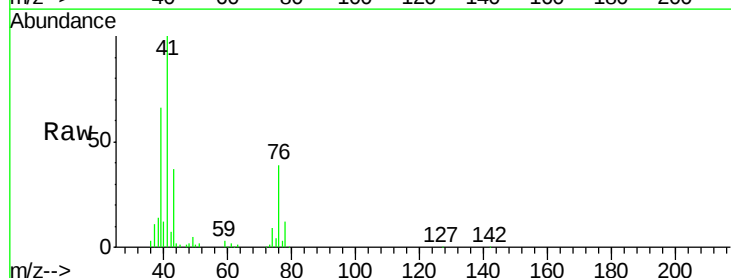
Manual Integrations
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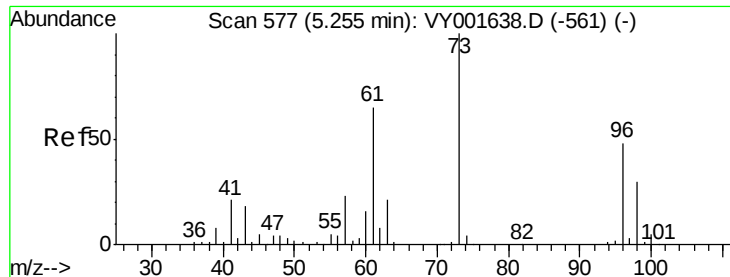
MMDadoda
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#18
Methyl Acetate
Concen: 16.876 ug/l
RT: 4.51 min Scan# 454
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.1	28.7





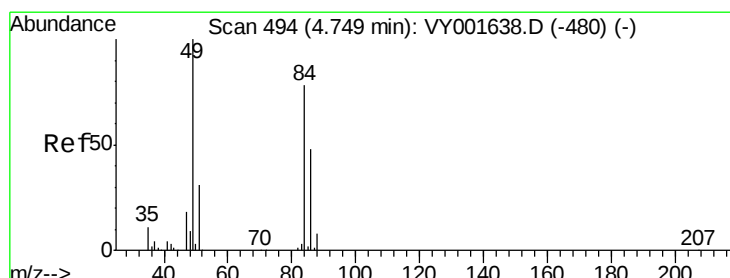
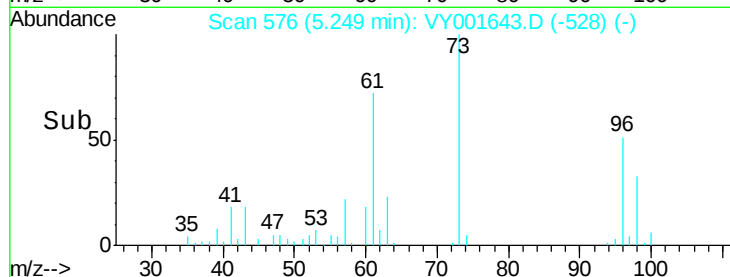
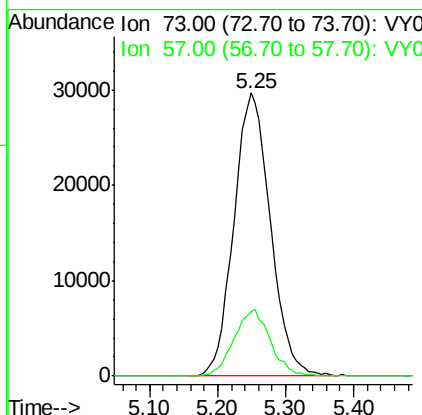
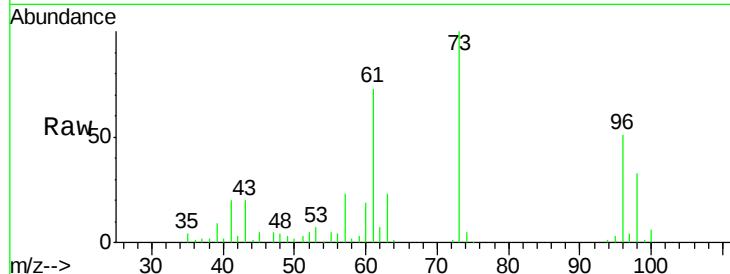
#19
Methvl tert-butvl Ether
Concen: 18.211 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion: 73 Resp: 110600
Ion Ratio Lower Upper
73 100
57 22.9 19.0 28.6

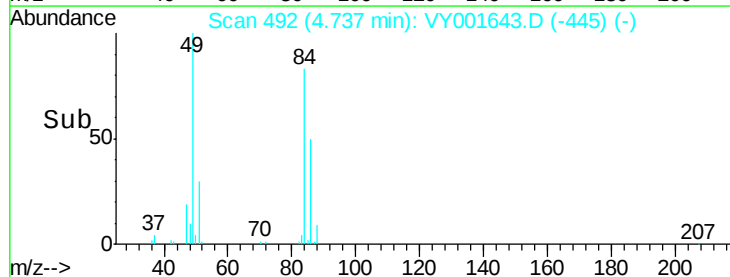
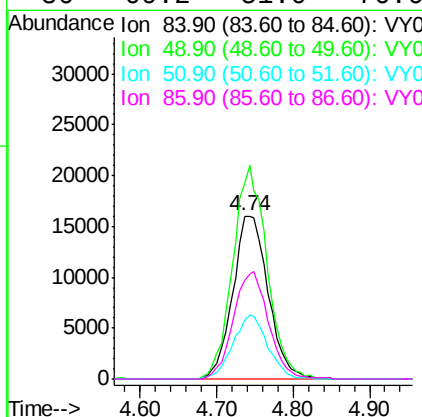
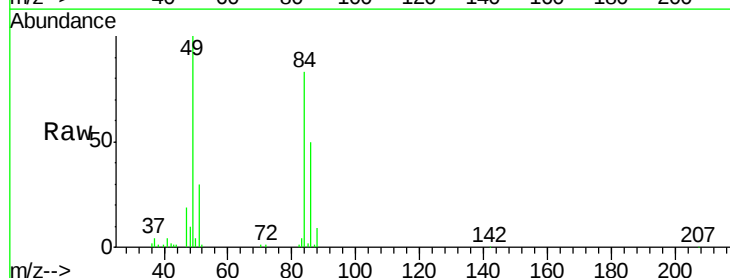
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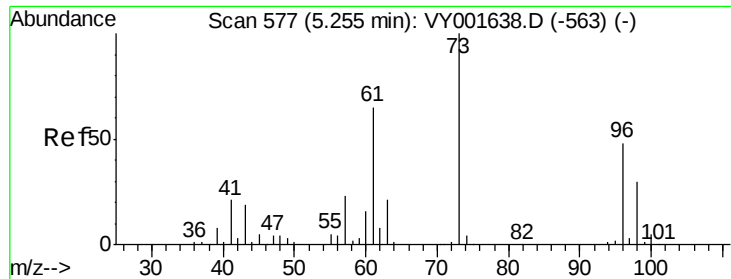
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#20
Methylene Chloride
Concen: 19.362 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Tgt Ion: 84 Resp: 51460
Ion Ratio Lower Upper
84 100
49 120.2 99.2 148.8
51 36.1 31.5 47.3
86 60.2 51.0 76.6





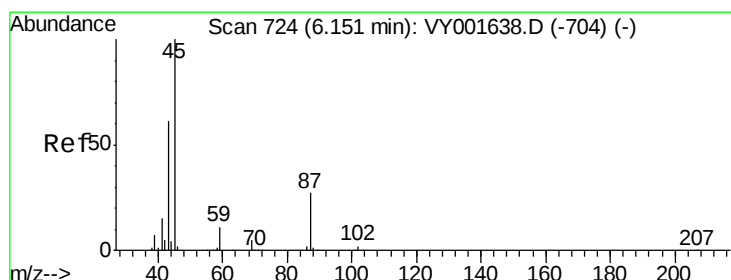
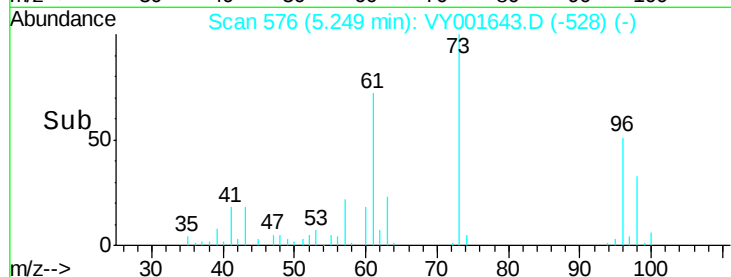
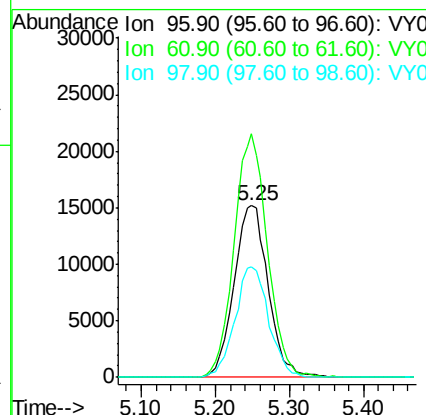
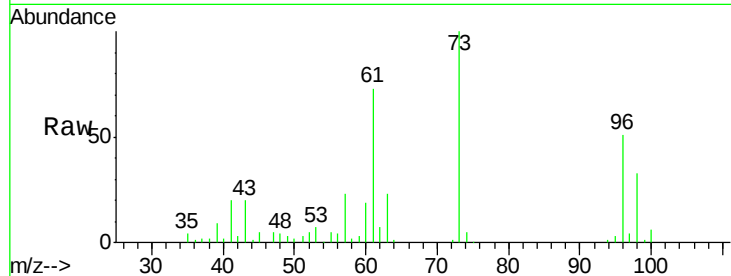
#21
trans-1,2-Dichloroethene
Concen: 19.569 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.9	107.9	161.9
98	64.1	49.8	74.8

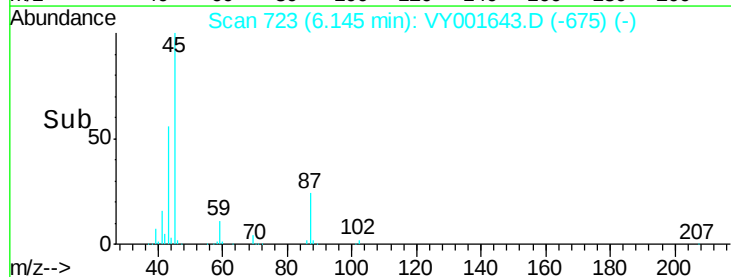
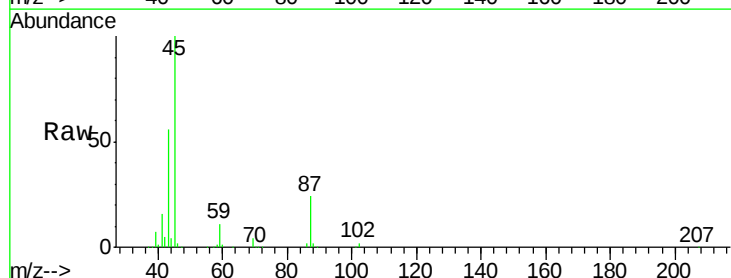
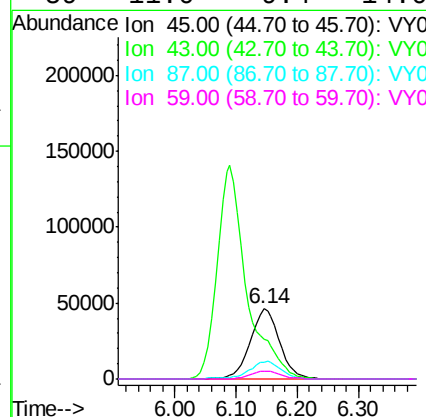
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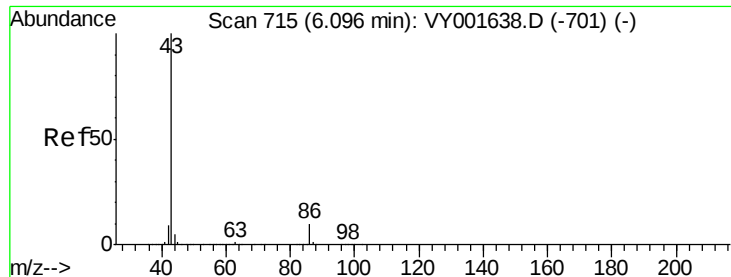
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#22
Diisopropyl ether
Concen: 19.472 ug/l
RT: 6.14 min Scan# 723
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.2	46.4	69.6
87	24.5	22.1	33.1
59	11.0	9.4	14.0





#23

Vinyl Acetate

Concen: 91.425 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

Tot Ion: 43 Resp: 475438

Ion Ratio Lower Upper

43 100

86 10.6 8.8 13.2

Instrument :

MSVOA_Y

ClientSampleId :

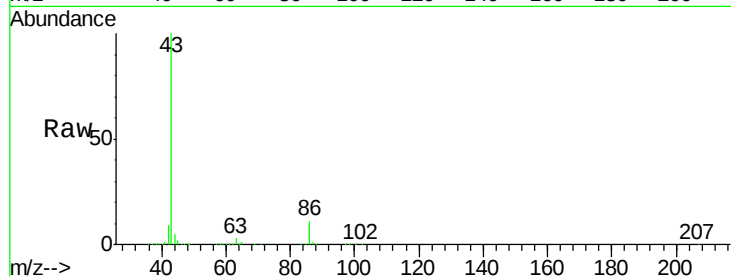
VY0217SBS01

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.09

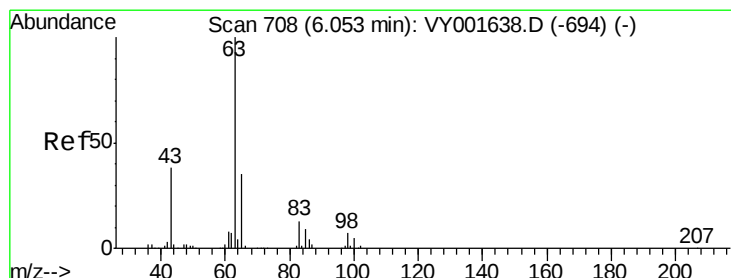
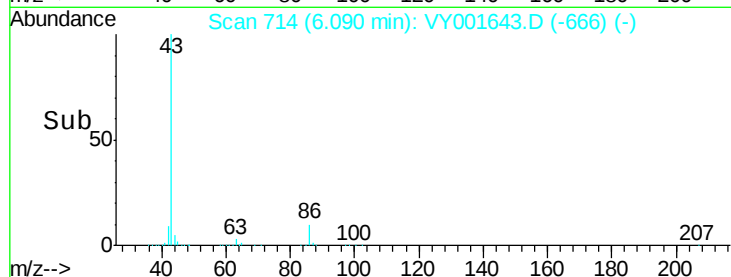
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 20.133 ug/l

RT: 6.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

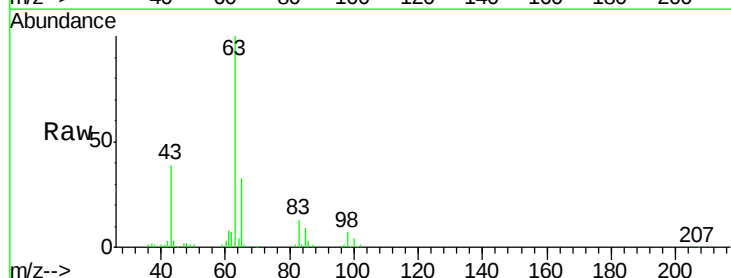
Tgt Ion: 63 Resp: 85785

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.2

100 4.3 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.05

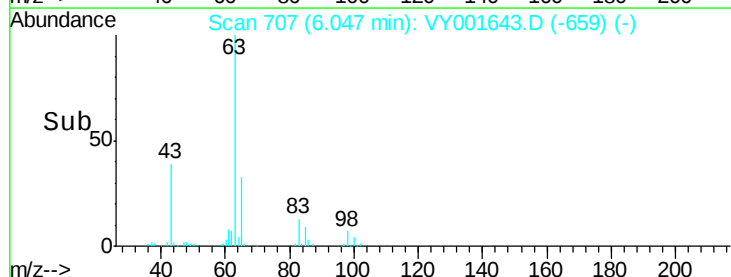
30000

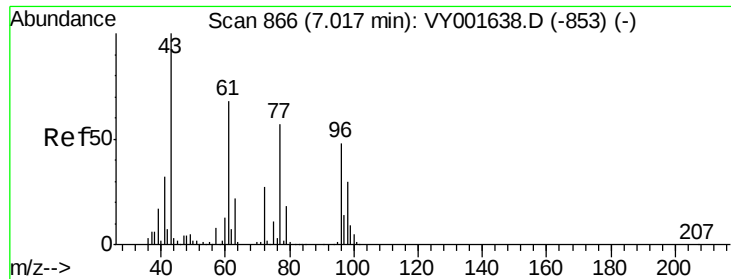
20000

10000

0

Time--> 5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 78.703 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion: 43 Resp: 79997

Ion Ratio Lower Upper

43 100

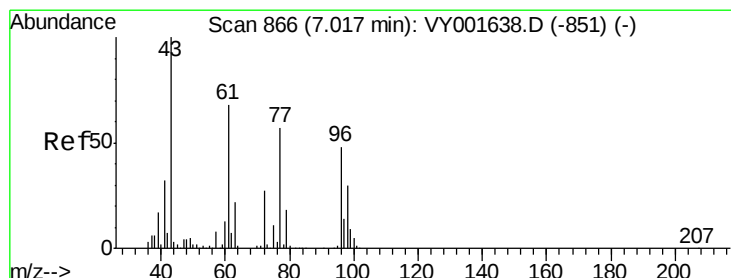
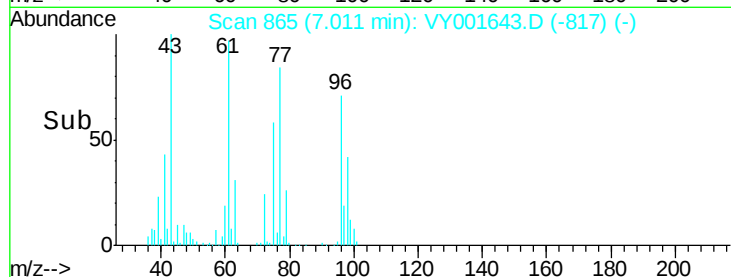
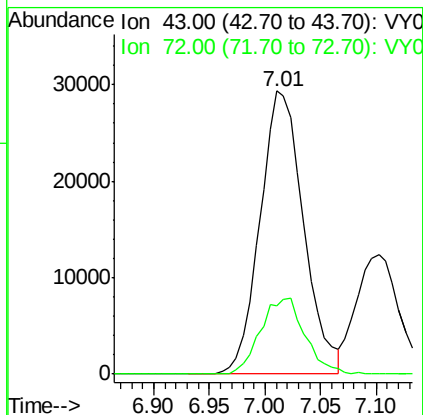
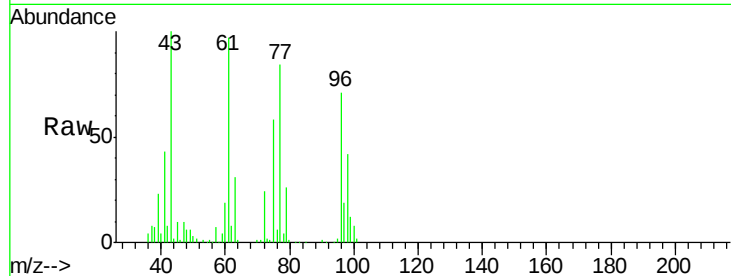
72 24.2 21.2 31.8

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#26

2,2-Dichloropropane

Concen: 20.146 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001643.D

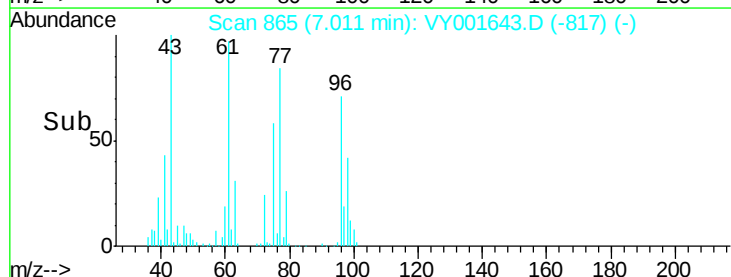
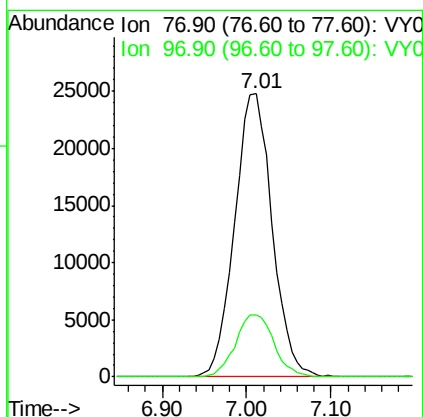
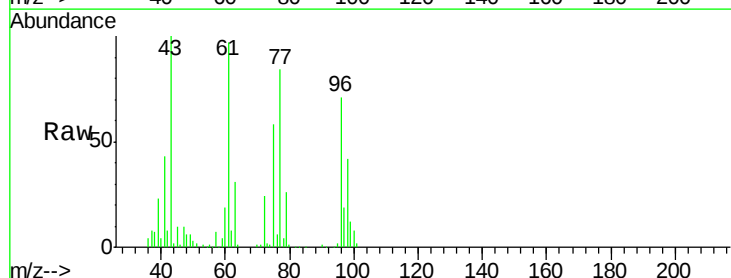
Acq: 17 Feb 2020 14:11

Tgt Ion: 77 Resp: 74684

Ion Ratio Lower Upper

77 100

97 22.6 11.8 35.4





#27

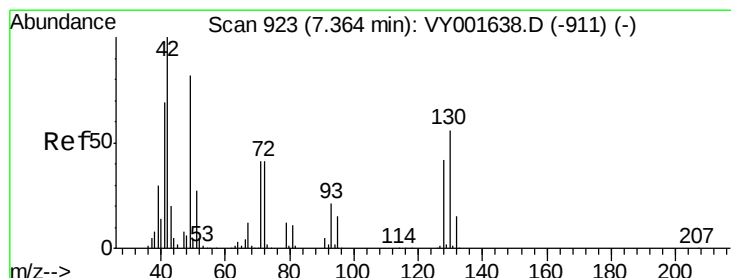
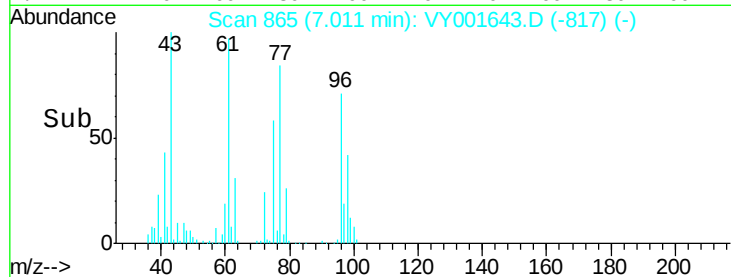
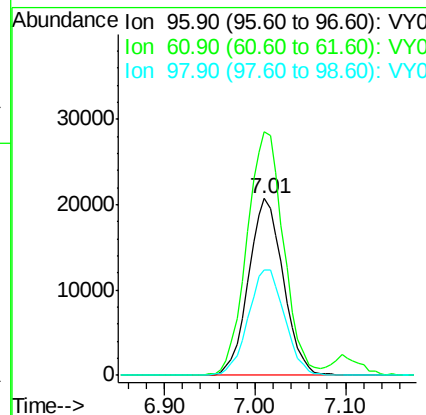
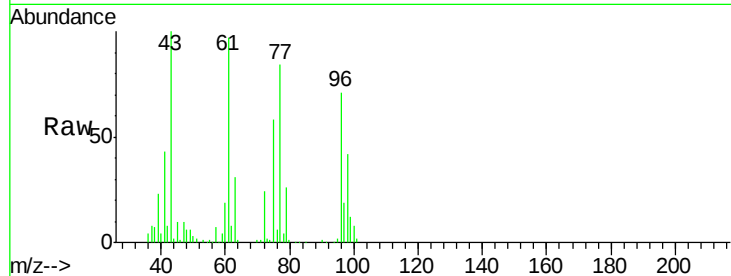
cis-1,2-Dichloroethene
 Concen: 20.011 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VY001643.D
 Acq: 17 Feb 2020 14:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	54971		
61	145.2		0.0	290.8
98	62.6		0.0	128.6

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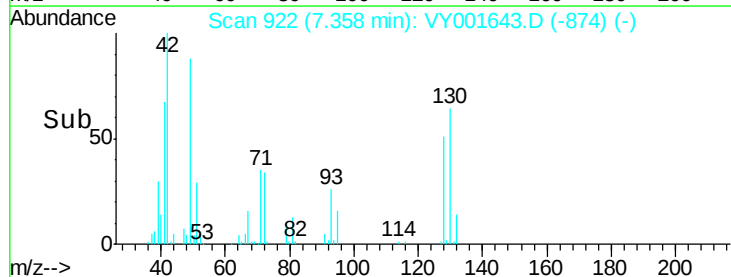
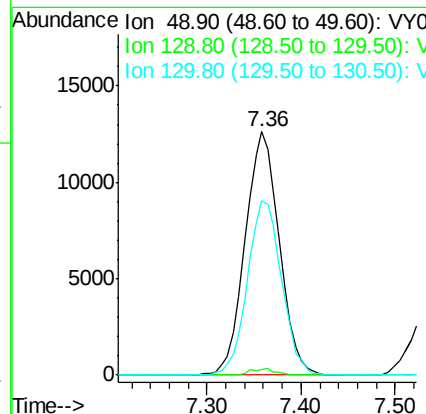
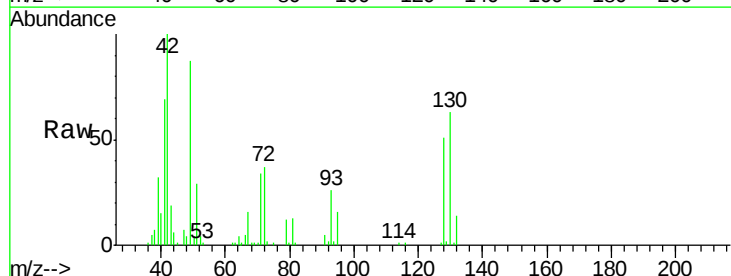
MMDadoda
 2/19/2020 10:49:29 AM

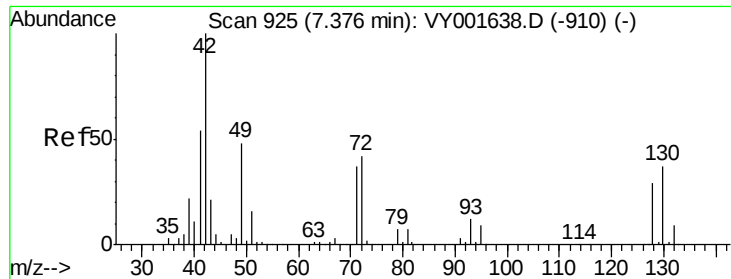


#28

Bromochloromethane
 Concen: 18.022 ug/l
 RT: 7.36 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VY001643.D
 Acq: 17 Feb 2020 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	31989		
129	1.8		0.0	3.6
130	71.8		56.2	84.4





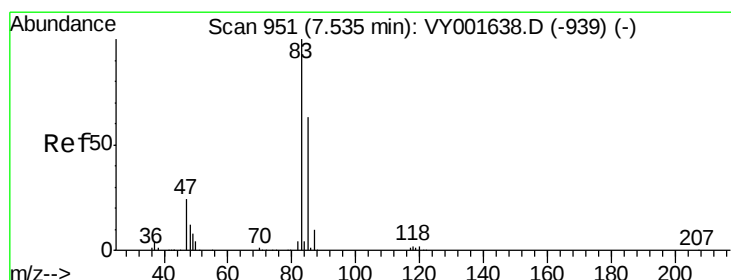
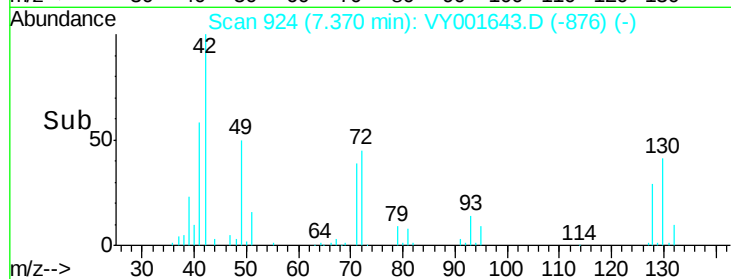
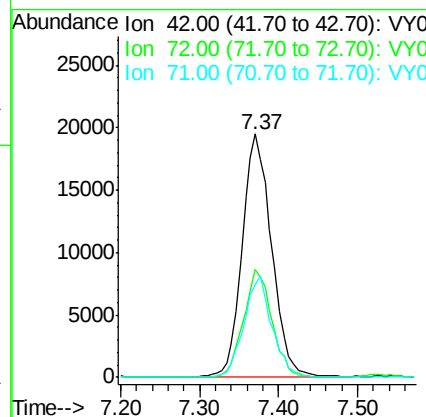
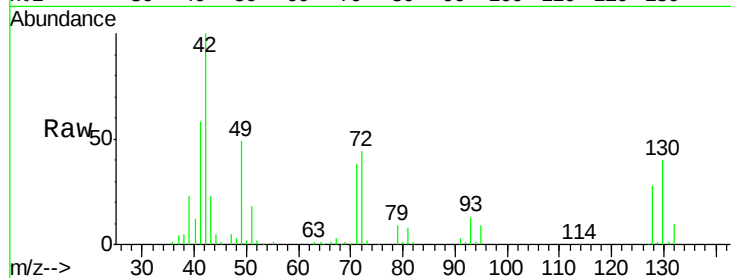
#29
Tetrahydrofuran
Concen: 82.383 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.4	51.6
71	39.4	31.8	47.8

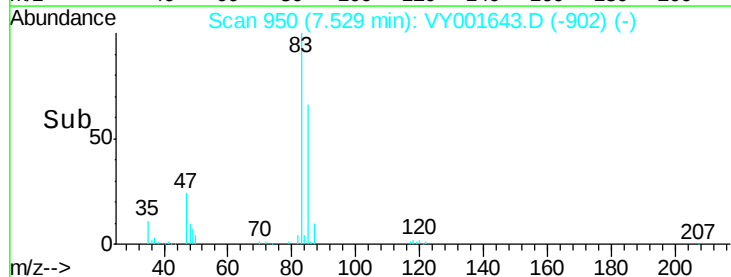
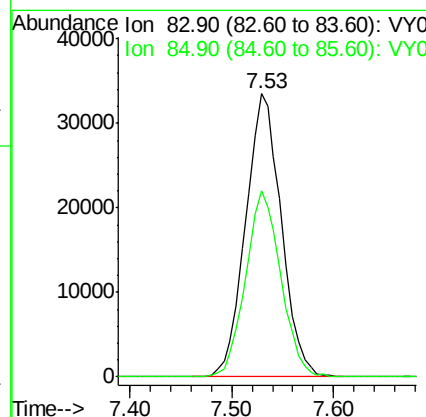
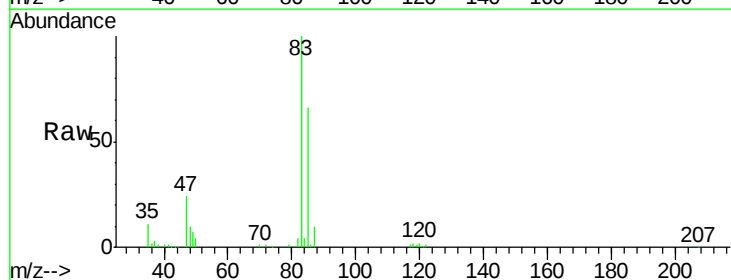
Manual Integrations
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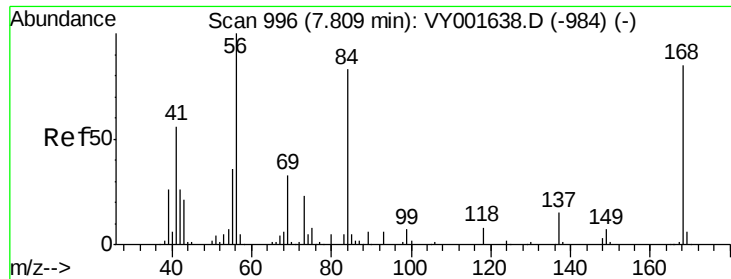
MMDadoda
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#30
Chloroform
Concen: 19.504 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.6	77.4





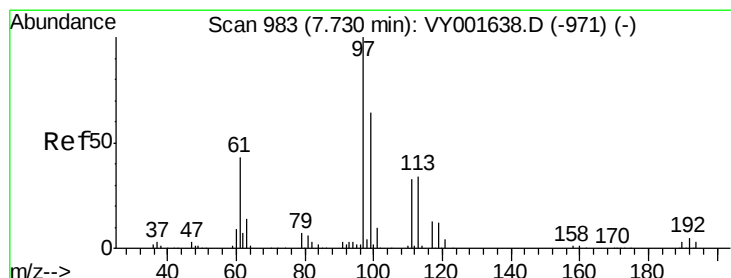
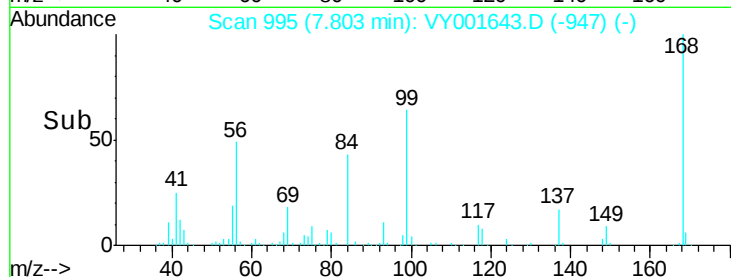
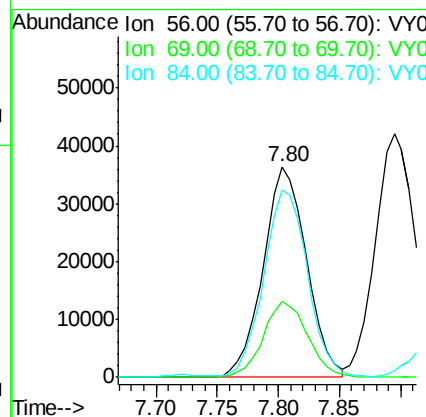
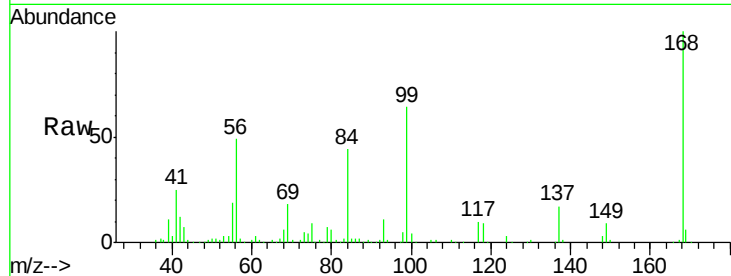
#31
Cyclohexane
Concen: 19.801 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.0	25.1	37.7
84	88.3	66.9	100.3

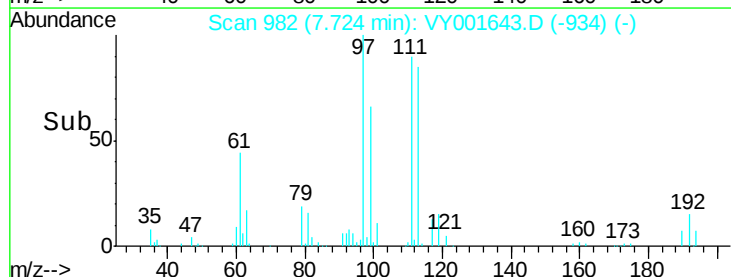
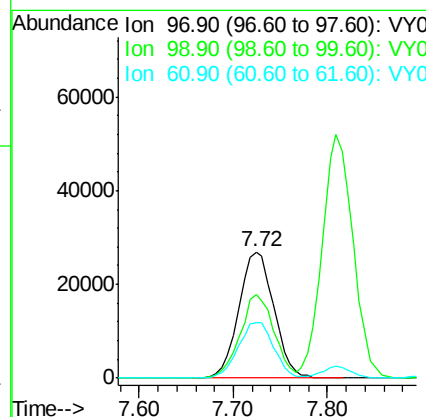
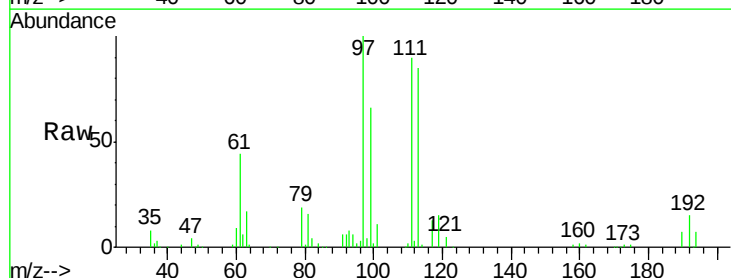
Manual Integrations
APPROVED

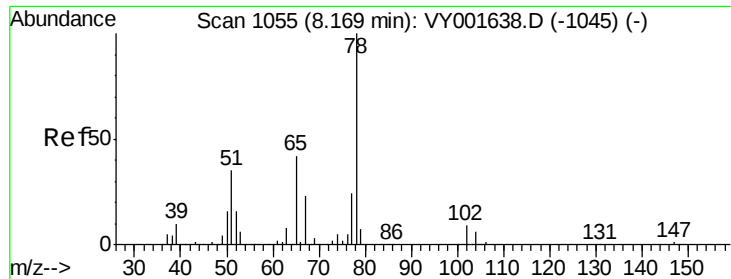
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#32
1,1,1-Trichloroethane
Concen: 19.893 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.2	76.8
61	44.6	35.0	52.6





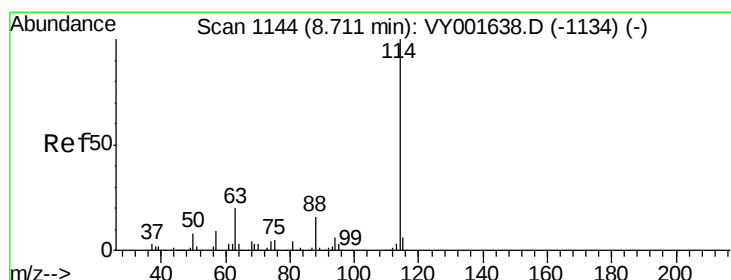
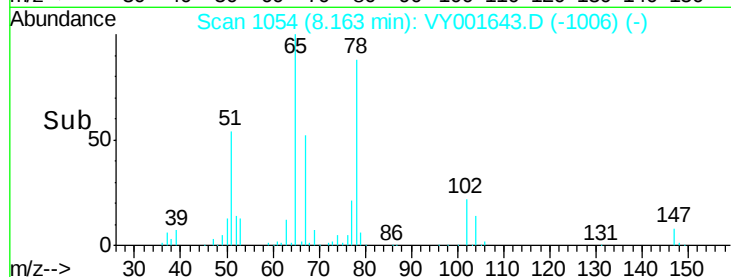
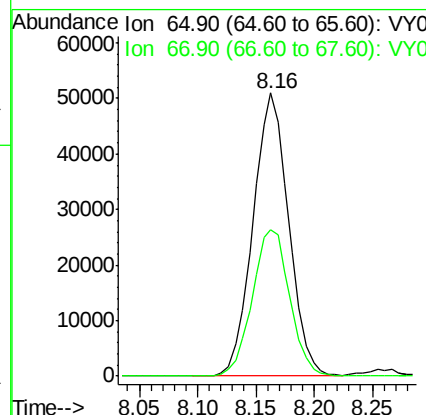
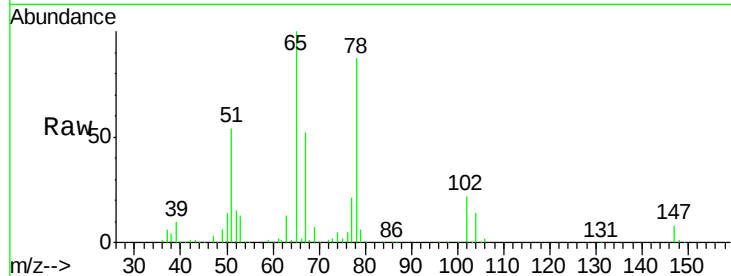
#33
 1,2-Dichloroethane-d4
 Concen: 50.399 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001643.D
 Acq: 17 Feb 2020 14:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	108985		
67	54.3	0.0	111.0	

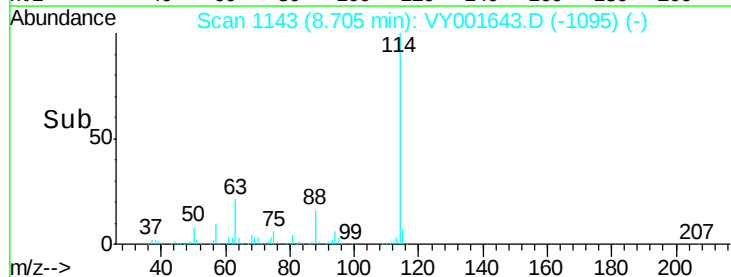
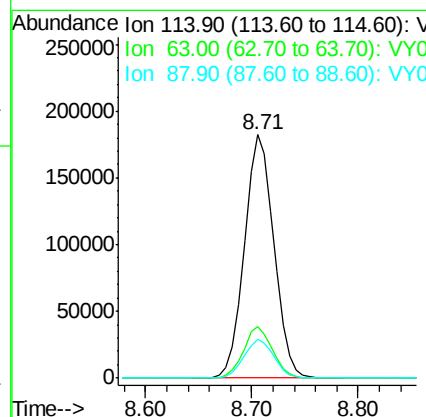
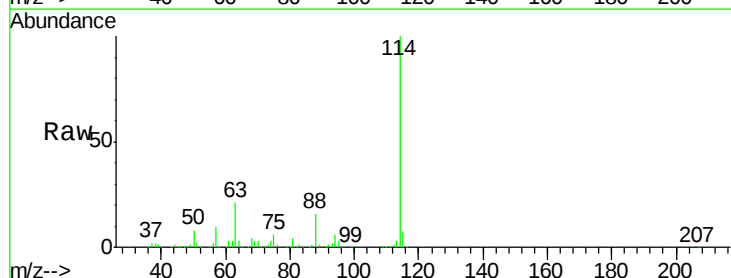
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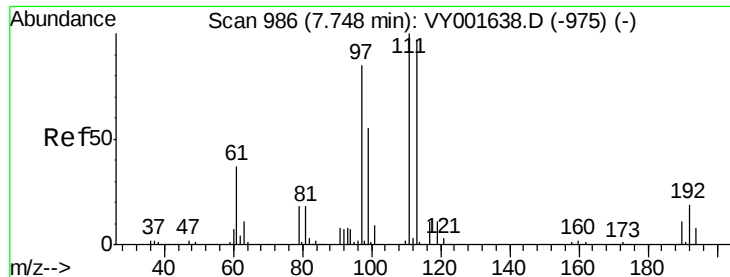
MMDadoda
 2/19/2020 10:49:29 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001643.D
 Acq: 17 Feb 2020 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	353886		
63	21.1	0.0	41.4	
88	16.1	0.0	32.8	





#35

Dibromofluoromethane

Concen: 50.187 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

Instrument :

MSVOA_Y

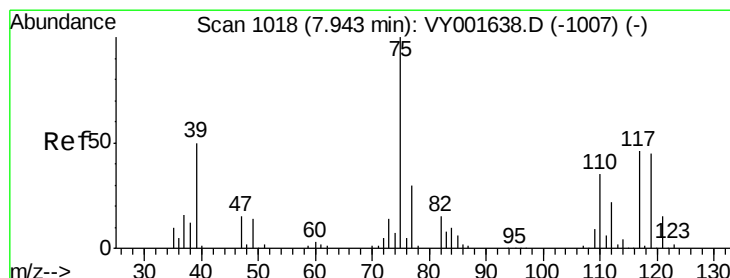
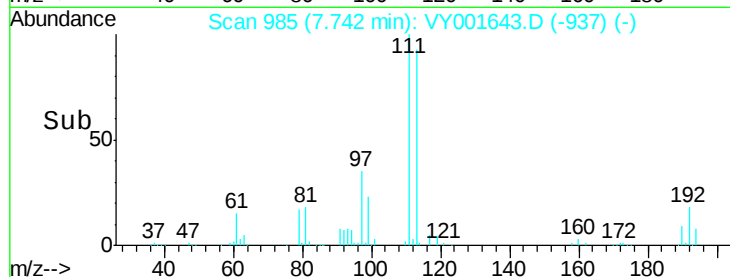
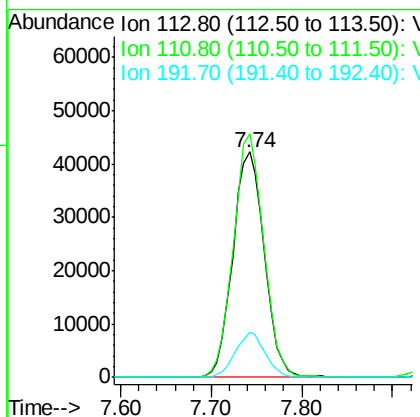
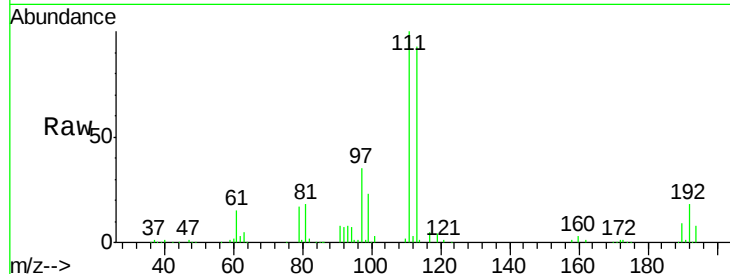
ClientSampleId :

VY0217SBS01

Tot Ion:	113	Resp:	101725
Ion Ratio	Lower	Upper	
113	100		
111	104.6	81.9	122.9
192	18.7	14.3	21.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.066 ug/l

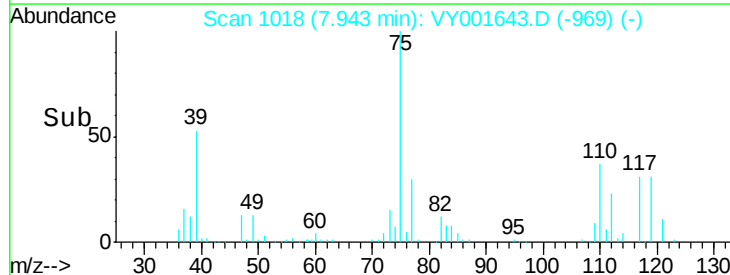
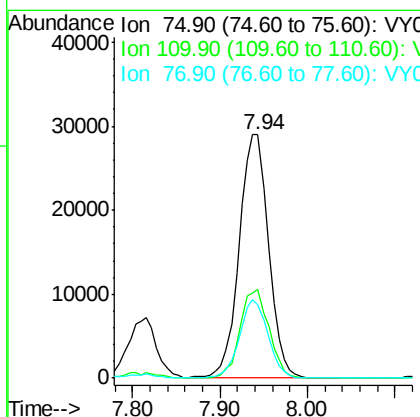
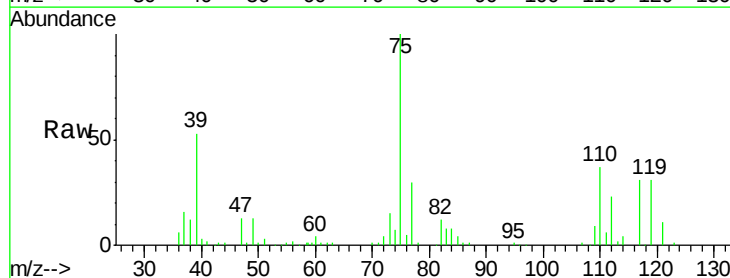
RT: 7.94 min Scan# 1018

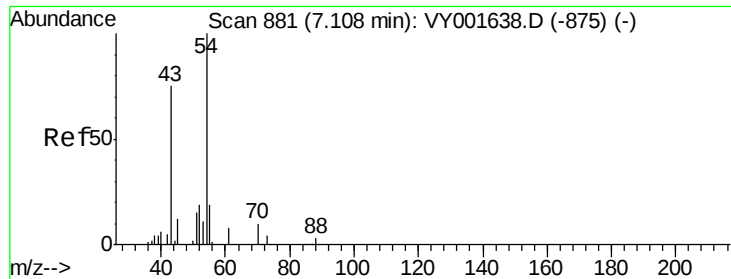
Delta R.T. 0.00 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

Tgt Ion:	75	Resp:	67828
Ion Ratio	Lower	Upper	
75	100		
110	35.8	17.2	51.6
77	31.2	24.8	37.2





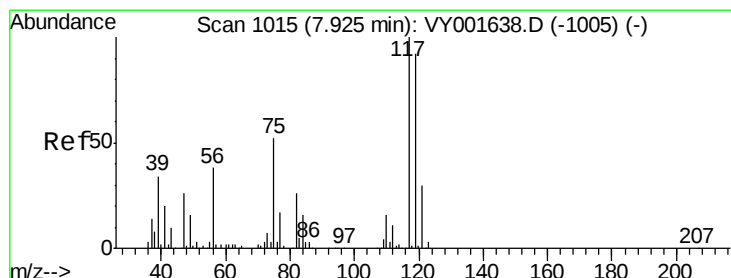
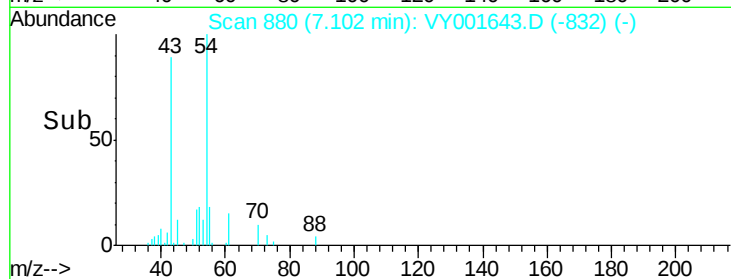
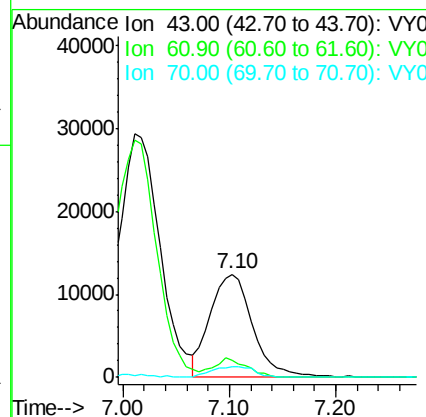
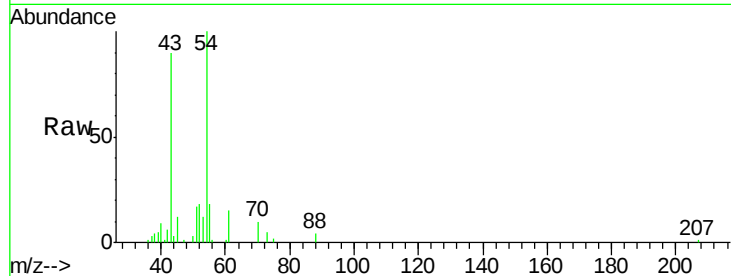
#37
Ethyl Acetate
Concen: 16.702 ug/l
RT: 7.10 min Scan# 880
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.0	16.6
70	10.8	8.8	13.2

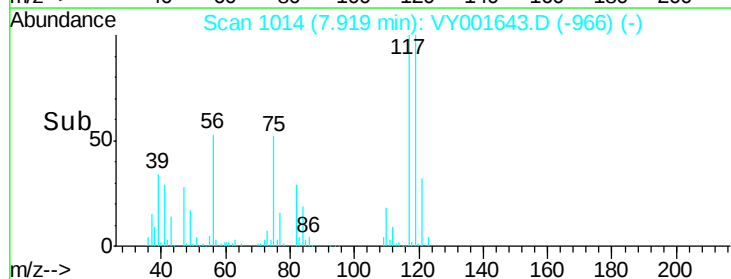
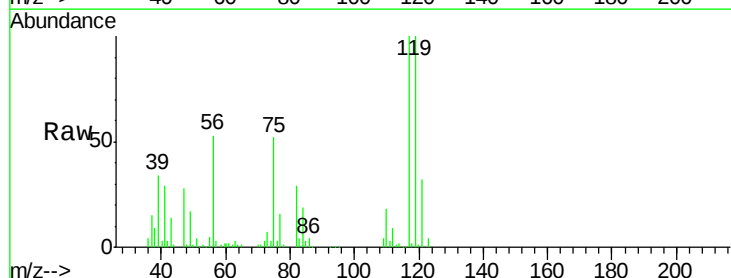
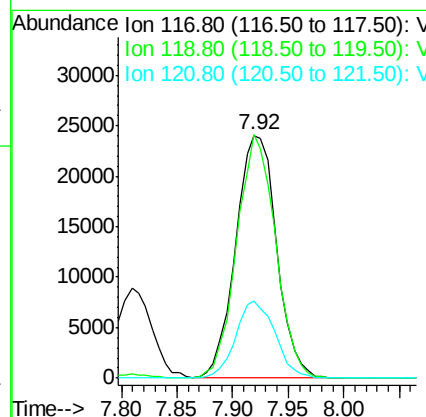
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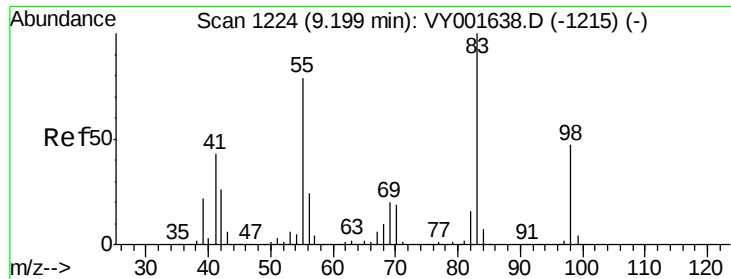
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#38
Carbon Tetrachloride
Concen: 20.598 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.5	74.8	112.2
121	31.7	23.8	35.6





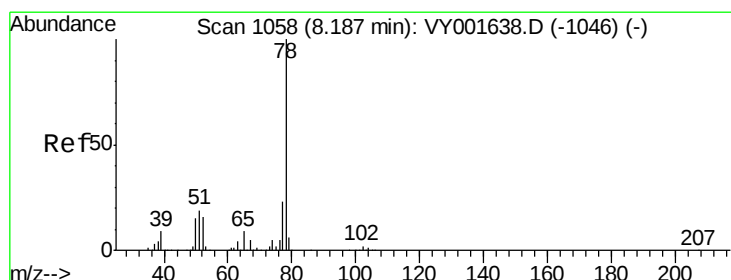
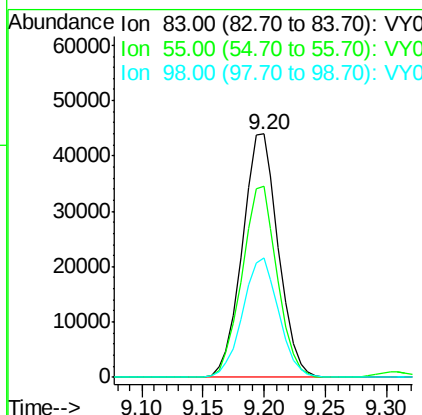
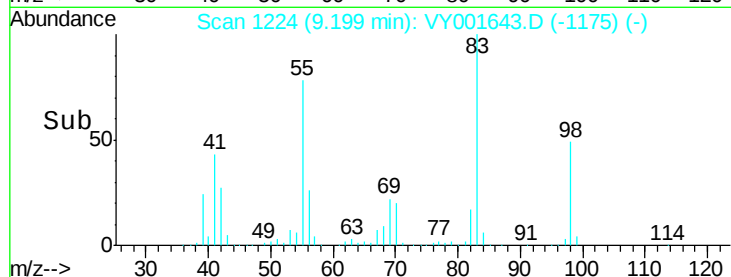
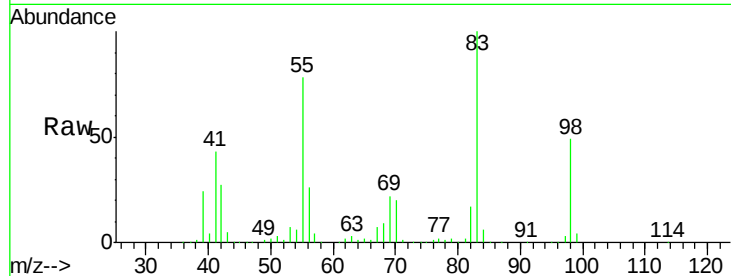
#39
Methvlcvclohexane
Concen: 20.008 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.3	61.3	91.9
98	49.0	38.0	57.0

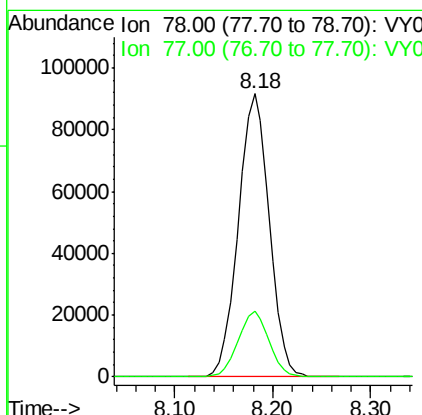
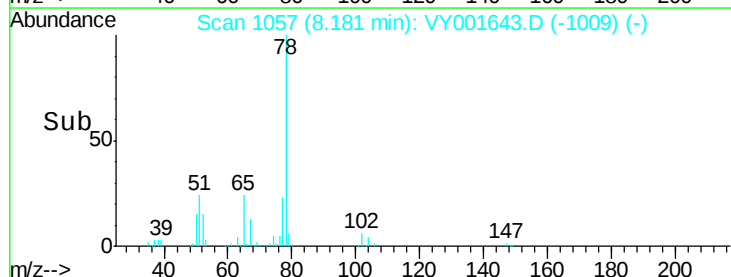
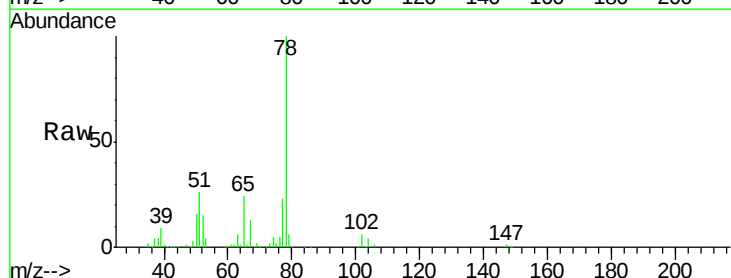
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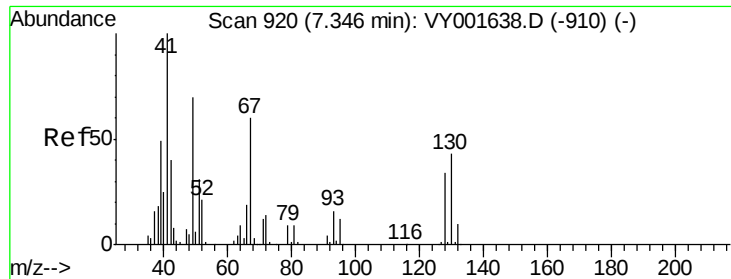
MMDadoda
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#40
Benzene
Concen: 20.203 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.2	27.4





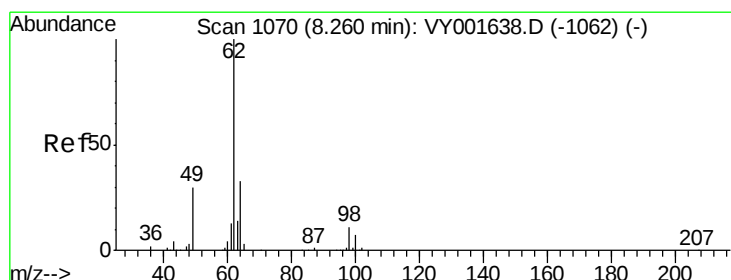
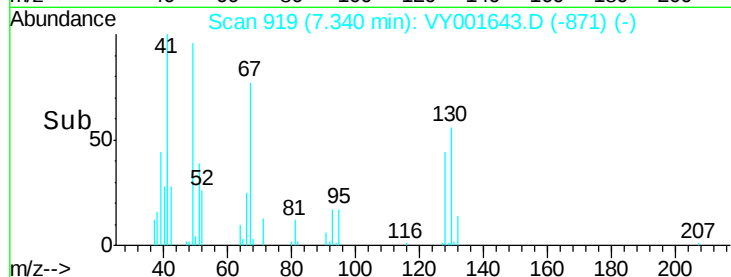
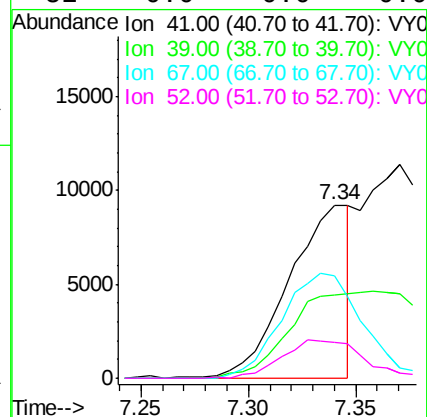
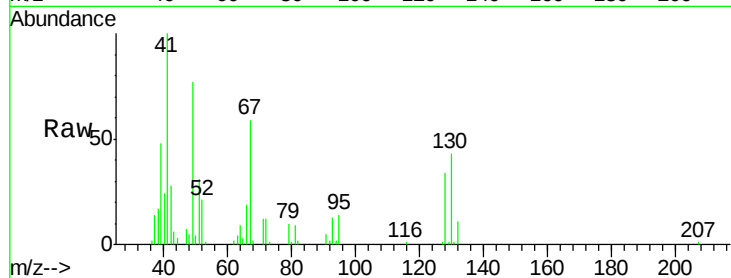
#41
Methacrylonitrile
Concen: 18.017 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	41	Resp:	18252
Ion Ratio	Lower	Upper	
41	100		
39	116.5	36.0	54.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

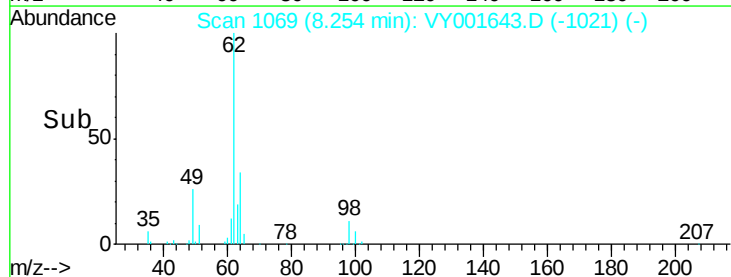
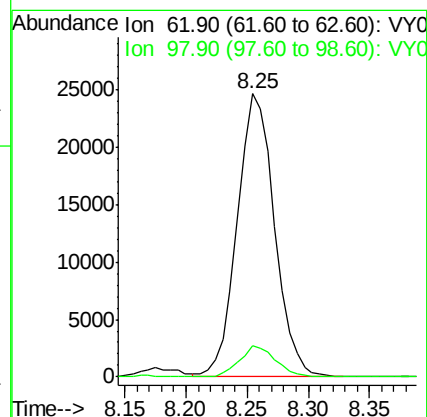
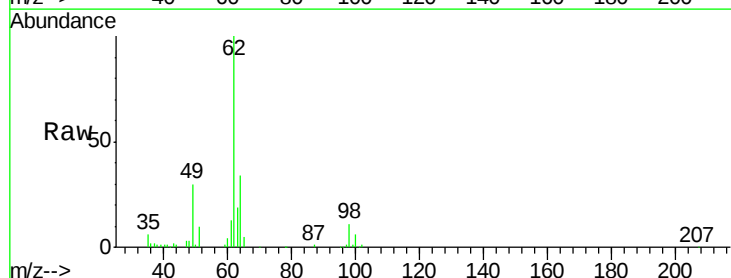
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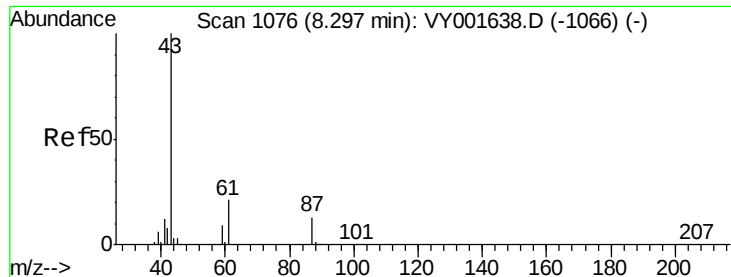
MMDadoda
2/19/2020 10:49:29 AM



#42
1,2-Dichloroethane
Concen: 19.264 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Tgt Ion	62	Resp:	52176
Ion Ratio	Lower	Upper	
62	100		
98	10.6	0.0	20.8





#43

Isopropyl Acetate

Concen: 17.692 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

Instrument :

MSVOA_Y

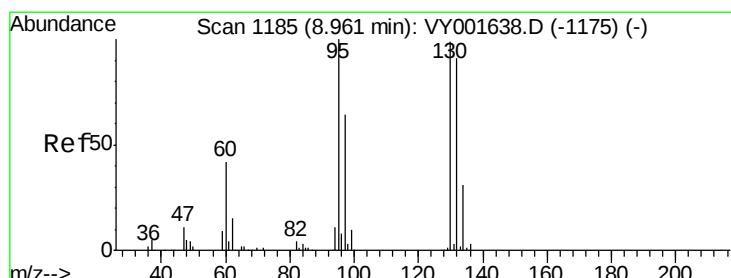
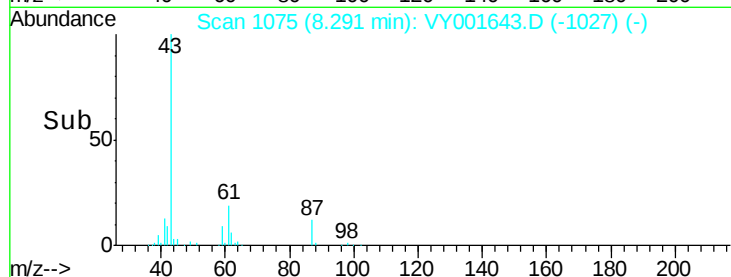
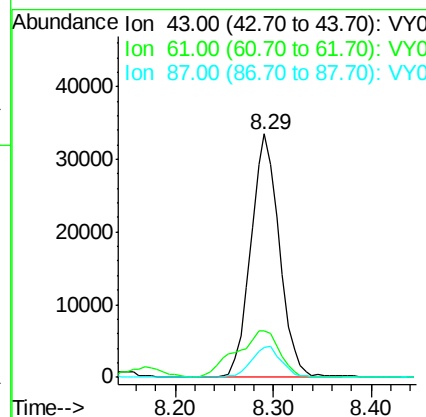
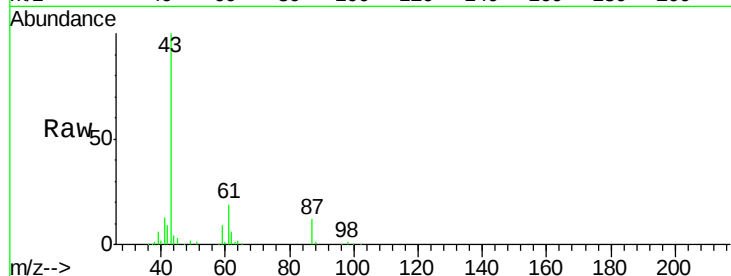
ClientSampleId :

VY0217SBS01

Tot Ion:	43	Resp:	67724
Ion	Ratio	Lower	Upper
43	100		
61	29.1	23.0	34.4
87	13.2	10.7	16.1

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#44

Trichloroethene

Concen: 19.519 ug/l

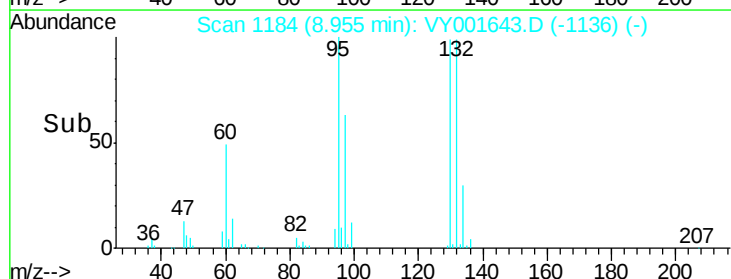
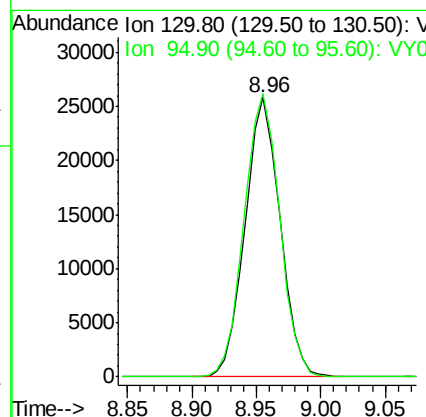
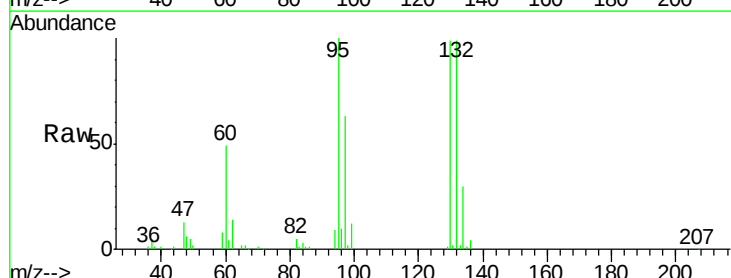
RT: 8.96 min Scan# 1184

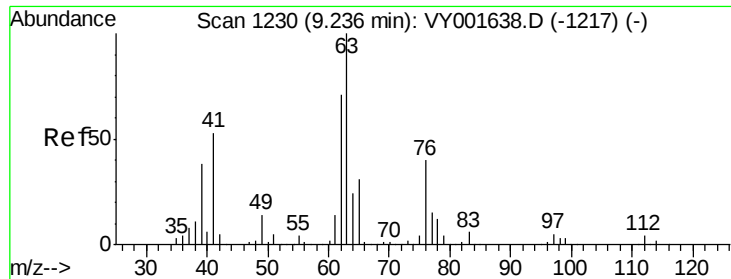
Delta R.T. -0.01 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

Tgt Ion:	130	Resp:	48441
Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	200.6





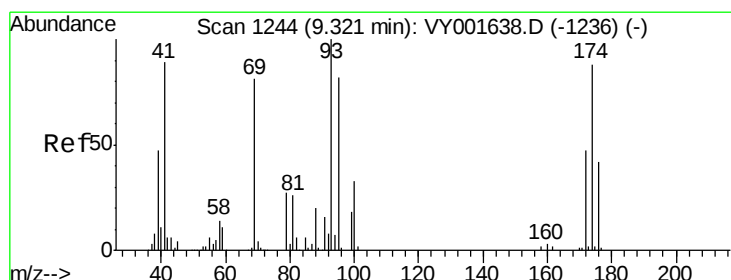
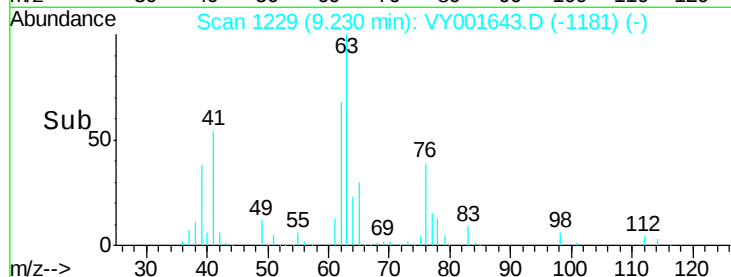
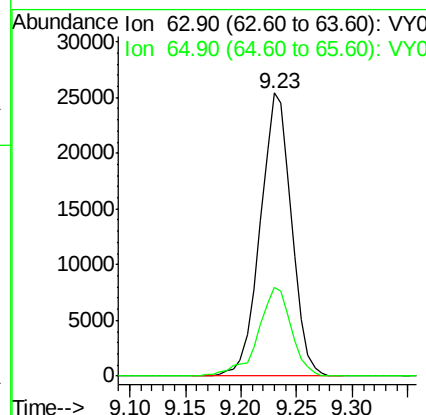
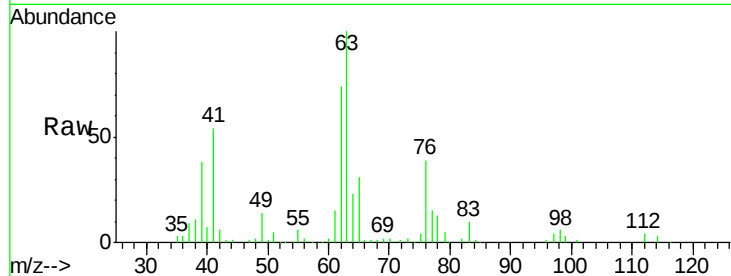
#45
 1,2-Dichloropropane
 Concen: 19.927 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY001643.D
 Acq: 17 Feb 2020 14:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Tot Ion	63	Resp	49614
Ion Ratio	100	Lower	Upper
63	100		
65	31.5	24.6	37.0

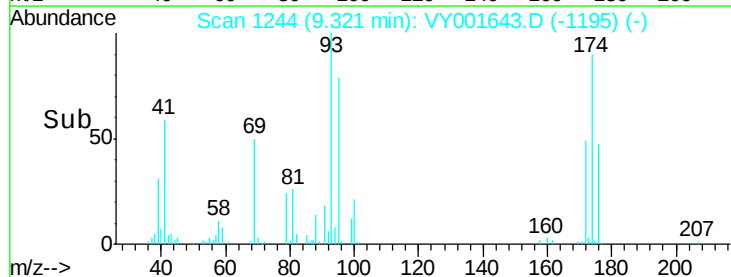
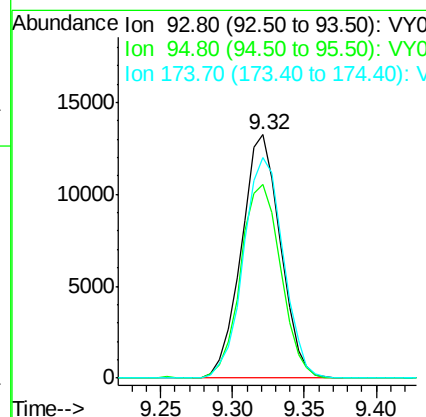
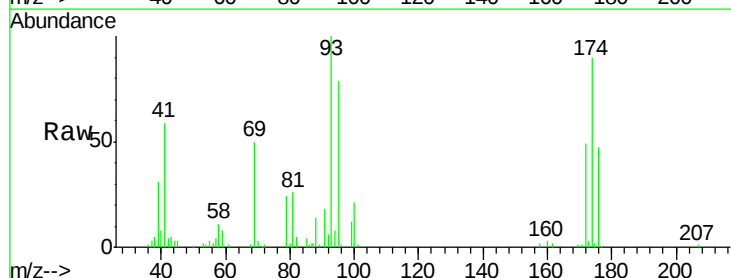
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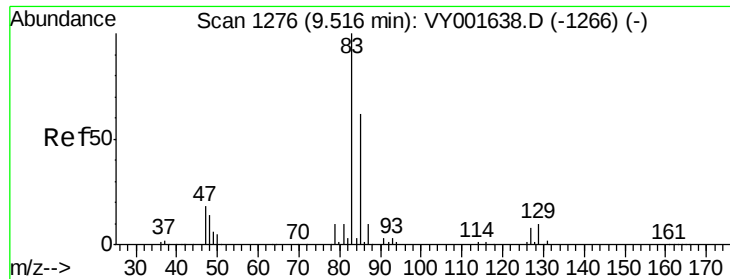
MMDadoda
 2/19/2020 10:49:29 AM



#46
 Dibromomethane
 Concen: 19.132 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY001643.D
 Acq: 17 Feb 2020 14:11

Tgt Ion	93	Resp	24915
Ion Ratio	100	Lower	Upper
93	100		
95	81.9	66.1	99.1
174	92.2	72.5	108.7





#47

Bromodichloromethane

Concen: 19.679 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

Instrument :

MSVOA_Y

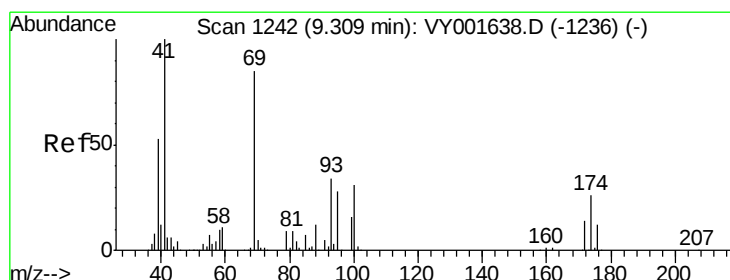
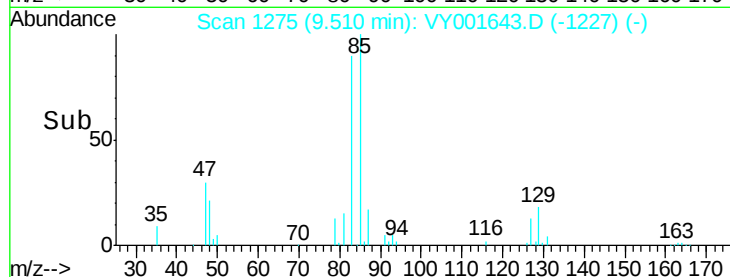
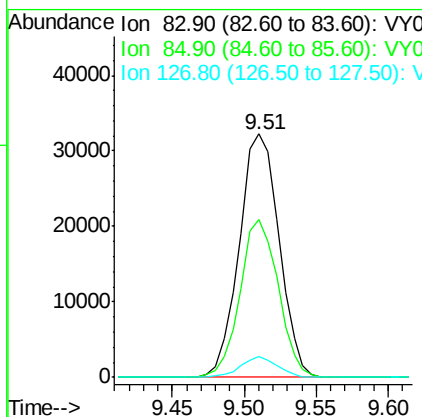
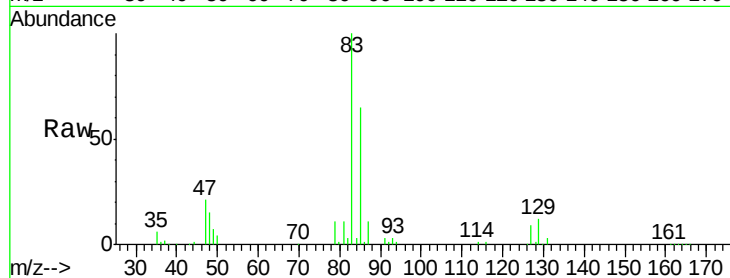
ClientSampleId :

VY0217SBS01

Tot Ion:	83	Resp:	61850
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.4	77.0
127	8.7	6.4	9.6

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MMDadoda
2/19/2020 10:49:29 AM



#48

Methyl methacrylate

Concen: 17.721 ug/l

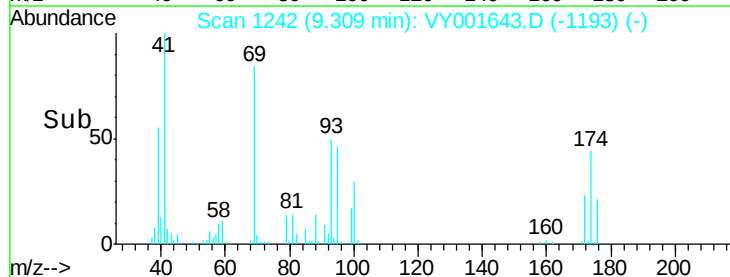
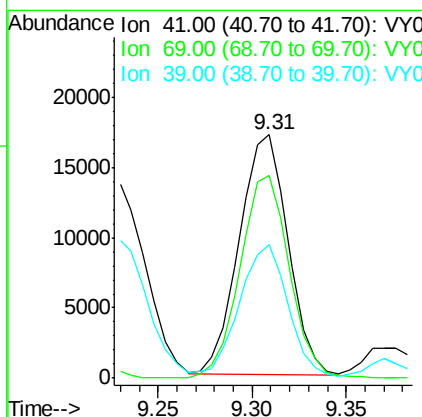
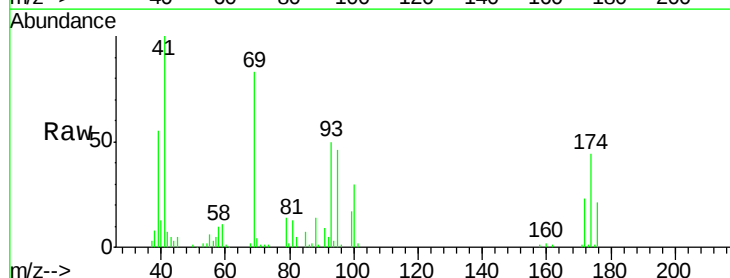
RT: 9.31 min Scan# 1242

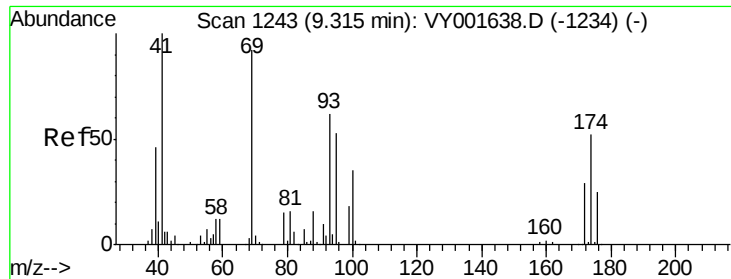
Delta R.T. 0.00 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

Tgt Ion:	41	Resp:	30680
Ion	Ratio	Lower	Upper
41	100		
69	85.6	70.7	106.1
39	56.4	42.2	63.2





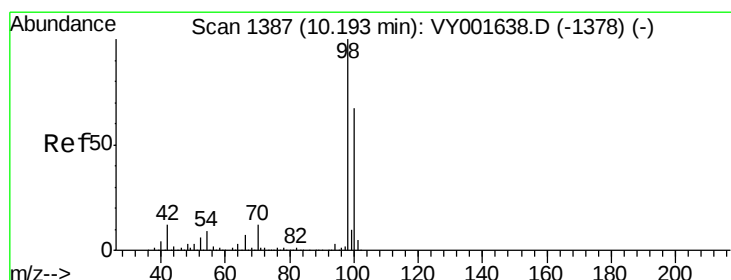
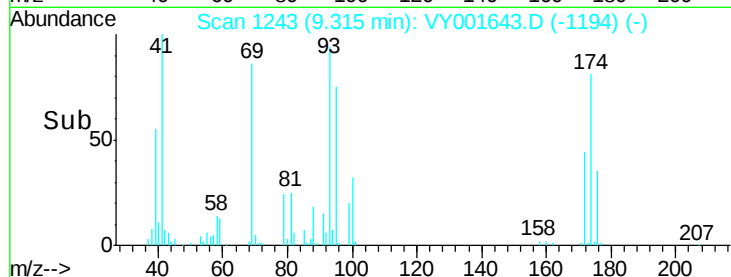
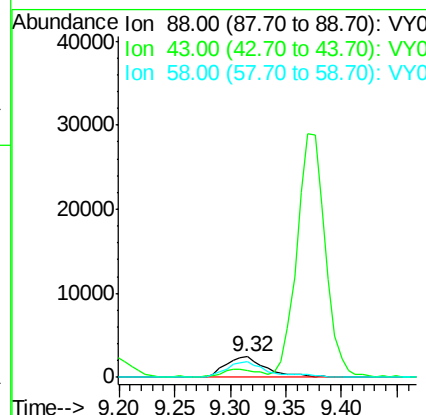
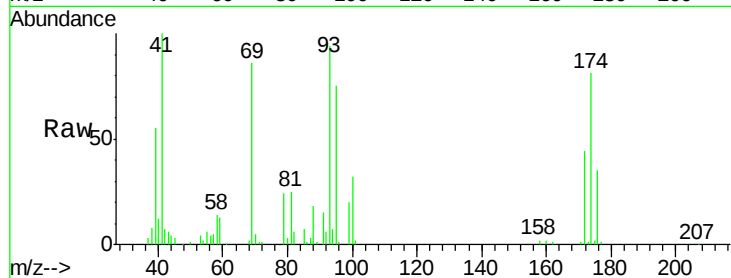
#49
1,4-Dioxane
Concen: 342.088 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.1	23.1	34.7
58	69.3	58.1	87.1

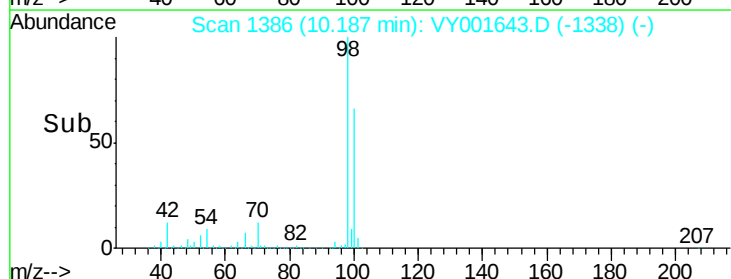
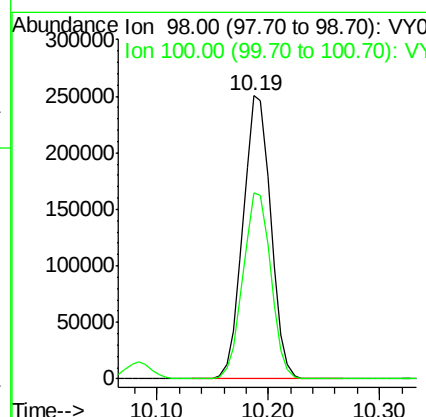
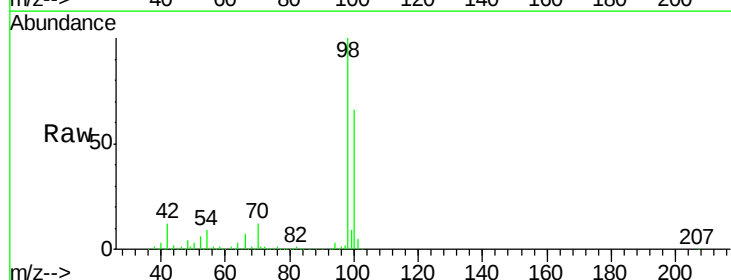
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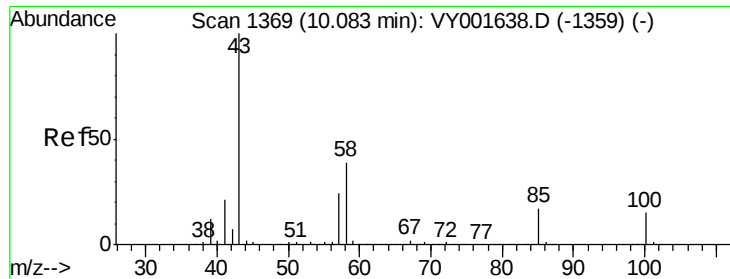
MMDadoda
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#50
Toluene-d8
Concen: 54.517 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 85.458 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion: 43 Resp: 168077

Ion Ratio Lower Upper

43 100

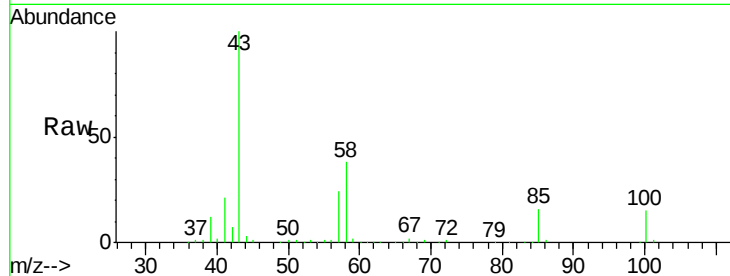
58 39.0 32.2 48.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.08

80000

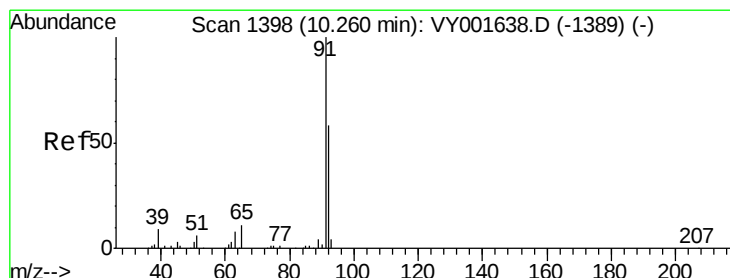
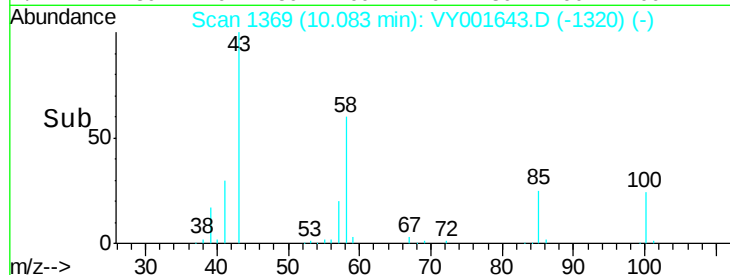
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 20.270 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001643.D

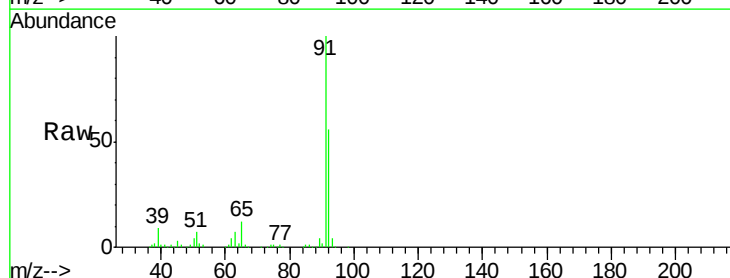
Acq: 17 Feb 2020 14:11

Tgt Ion: 92 Resp: 125699

Ion Ratio Lower Upper

92 100

91 172.1 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

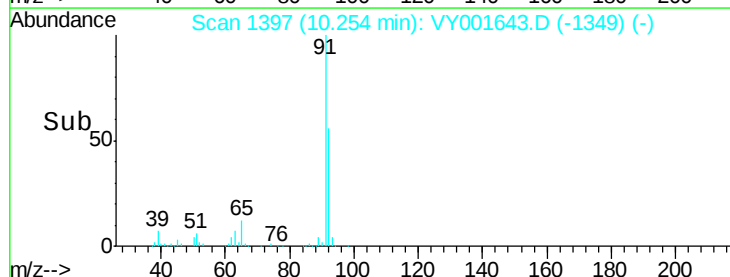
150000

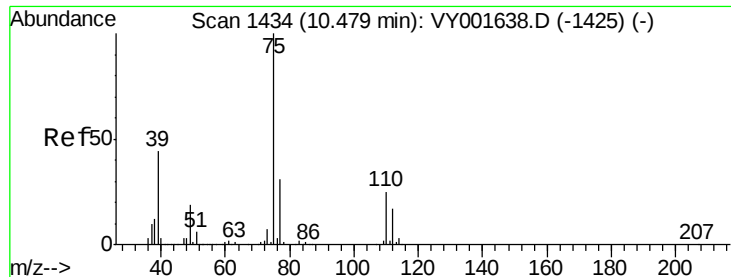
100000

50000

0

Time-->





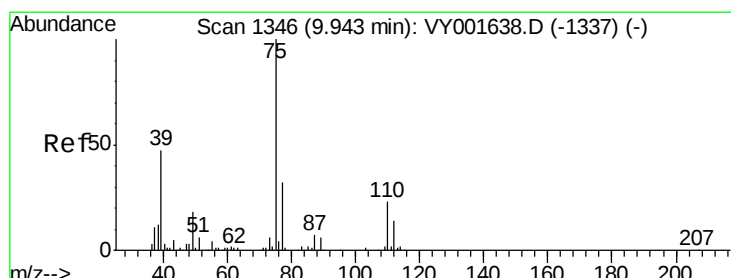
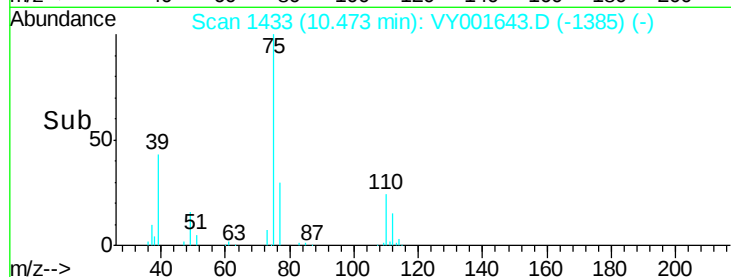
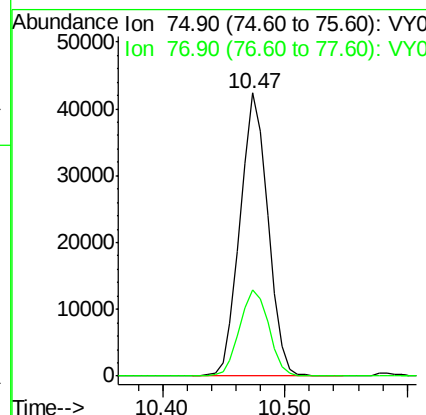
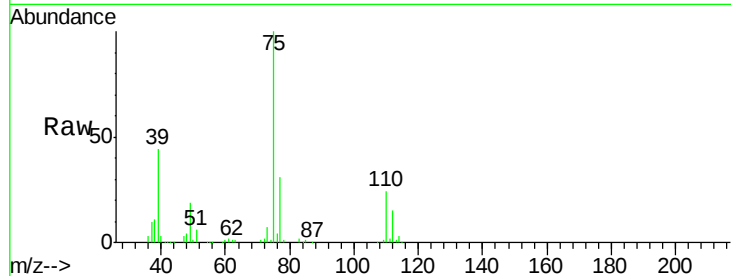
#53
t-1,3-Dichloropropene
Concen: 19.230 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion: 75 Resp: 66817
Ion Ratio Lower Upper
75 100
77 30.5 25.2 37.8

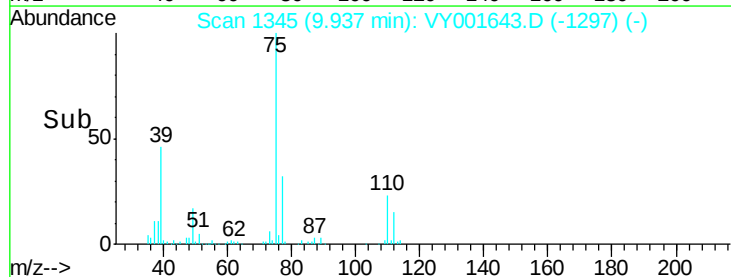
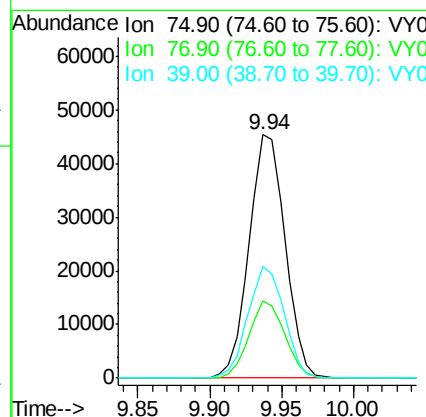
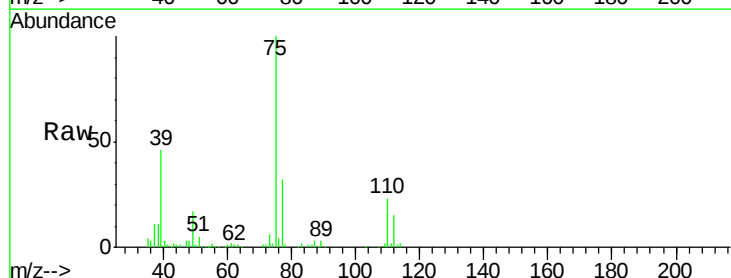
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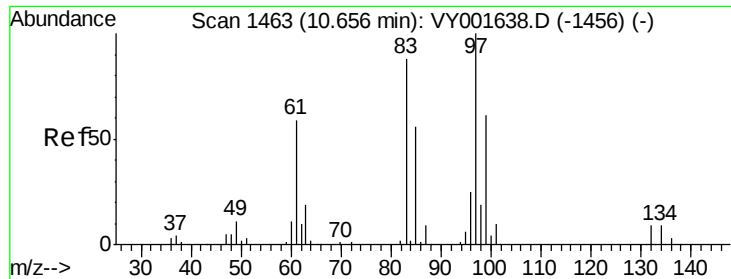
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.664 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Tgt Ion: 75 Resp: 78635
Ion Ratio Lower Upper
75 100
77 31.6 25.7 38.5
39 45.8 35.7 53.5





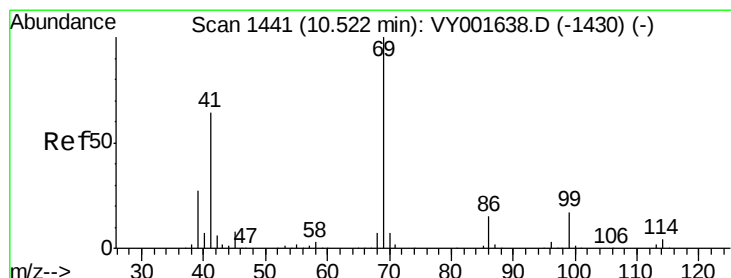
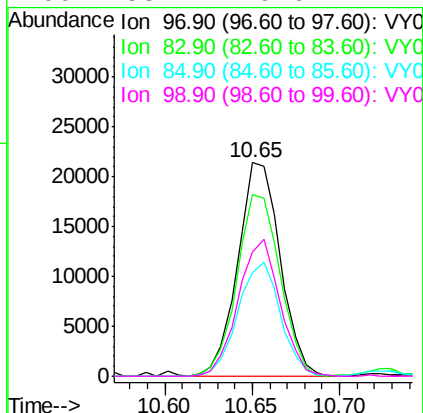
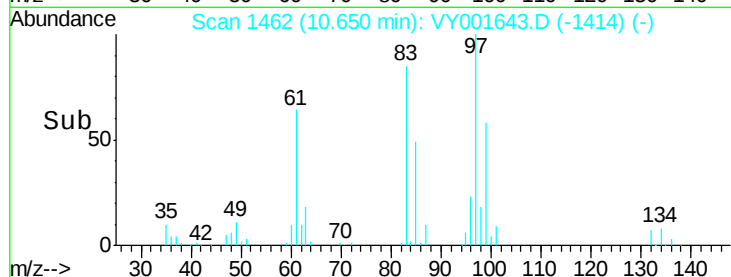
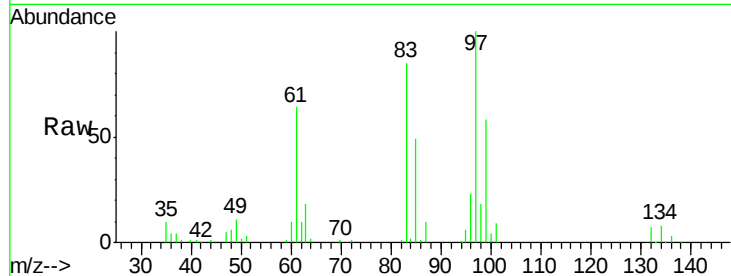
#55
 1,1,2-Trichloroethane
 Concen: 18.887 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY001643.D
 Acq: 17 Feb 2020 14:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Tot Ion:	97	Resp:	36268
Ion	Ratio	Lower	Upper
97	100		
83	85.0	69.7	104.5
85	48.8	44.5	66.7
99	58.1	49.6	74.4

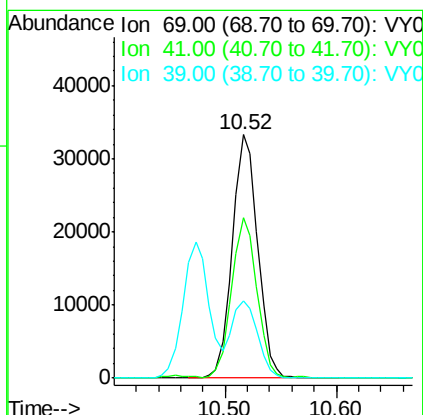
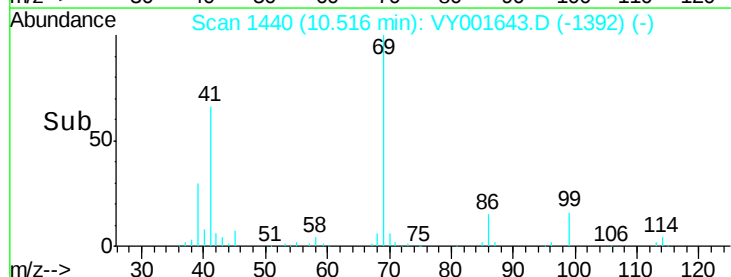
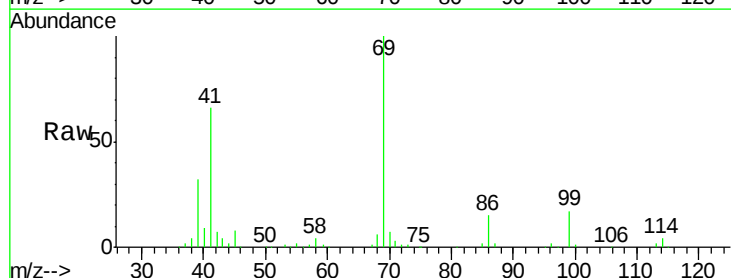
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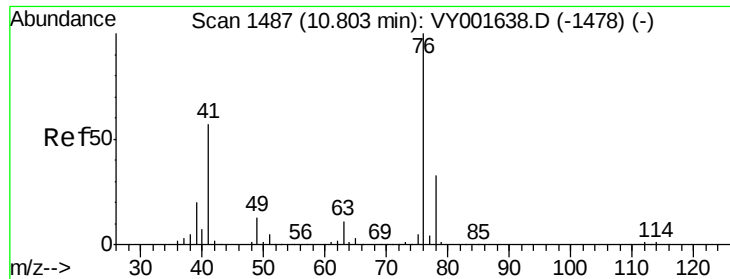
MMDadoda
 2/19/2020 10:49:29 AM



#56
 Ethyl methacrylate
 Concen: 18.218 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VY001643.D
 Acq: 17 Feb 2020 14:11

Tgt Ion:	69	Resp:	52480
Ion	Ratio	Lower	Upper
69	100		
41	66.2	51.0	76.4
39	32.7	24.7	37.1





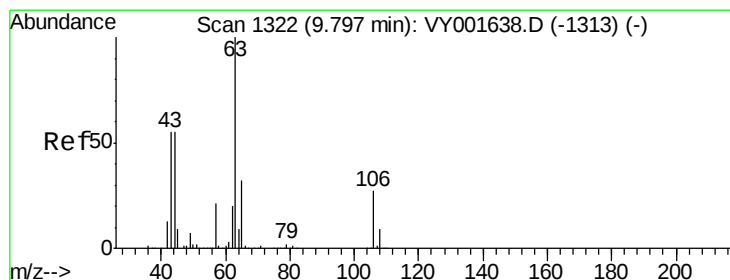
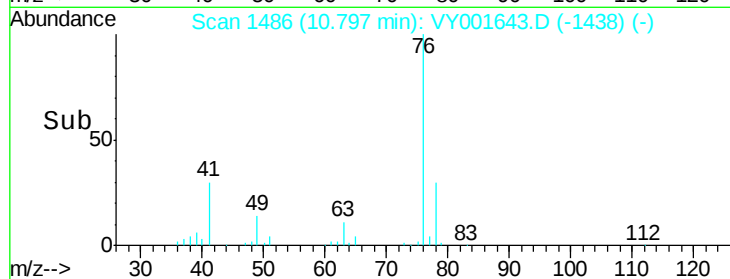
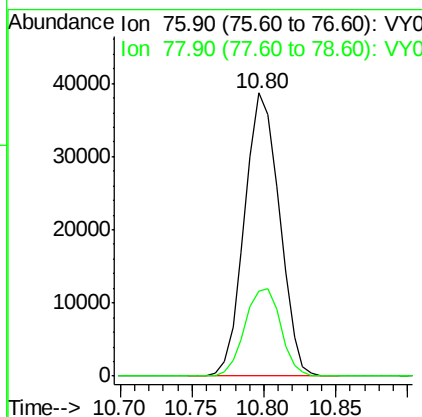
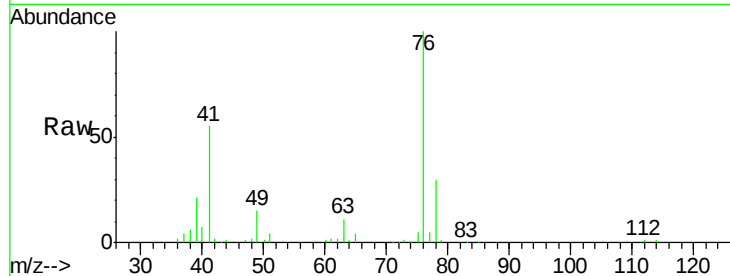
#57
 1,3-Dichloropropane
 Concen: 19.059 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VY001643.D
 Acq: 17 Feb 2020 14:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Tot Ion: 76 Resp: 65027
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.7 38.5

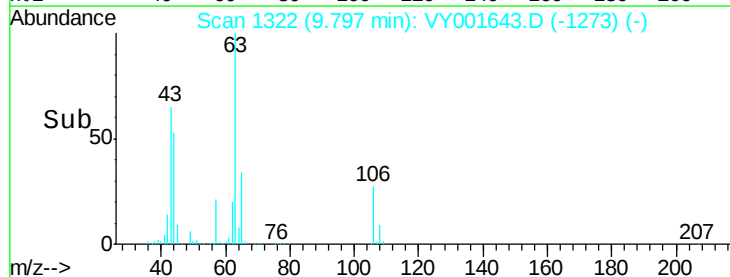
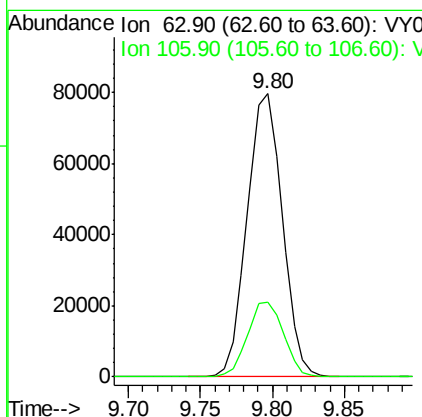
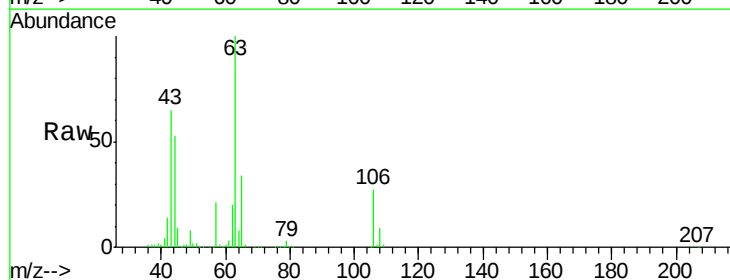
Manual Integrations
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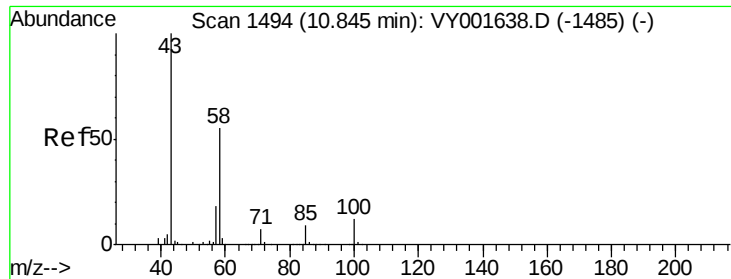
MMDadoda
 2/19/2020 10:49:29 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.457 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001643.D
 Acq: 17 Feb 2020 14:11

Tgt Ion: 63 Resp: 135227
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.6 32.4





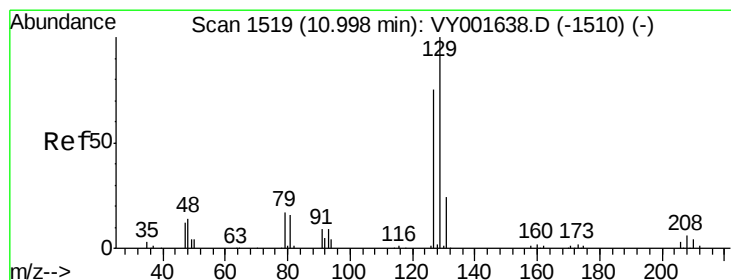
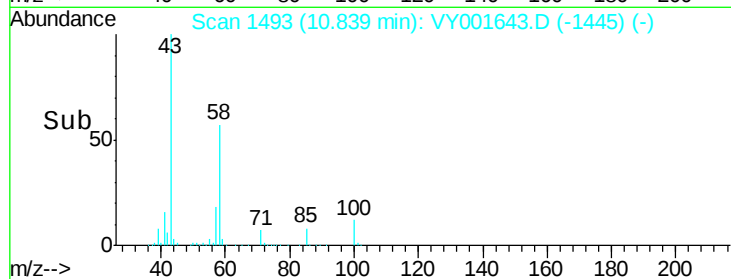
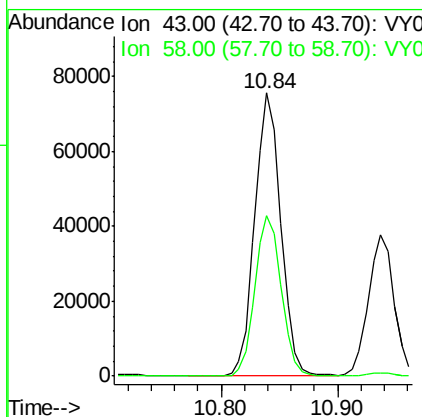
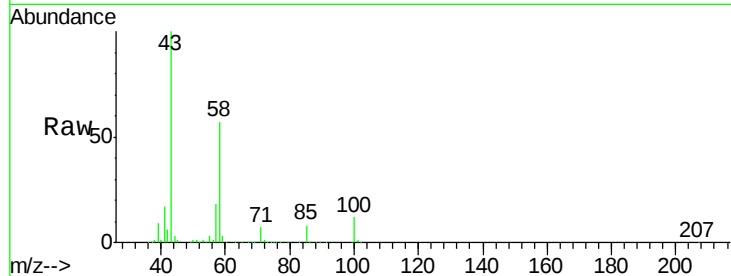
#59
2-Hexanone
Concen: 80.479 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion: 43 Resp: 118763
Ion Ratio Lower Upper
43 100
58 56.9 28.4 85.2

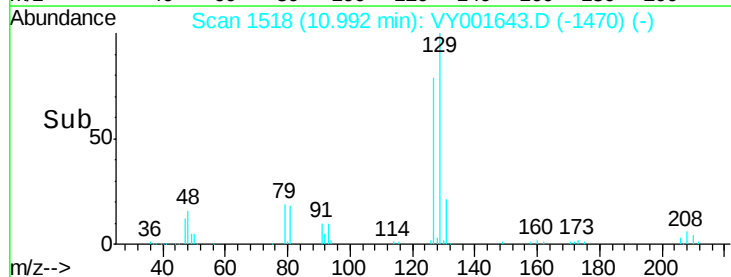
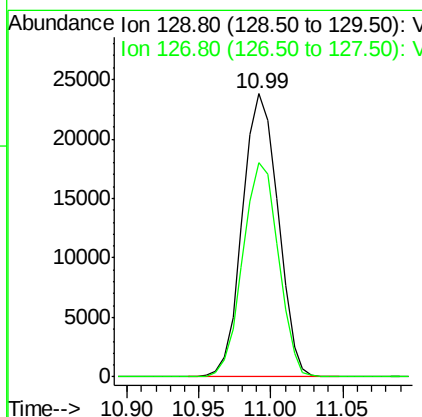
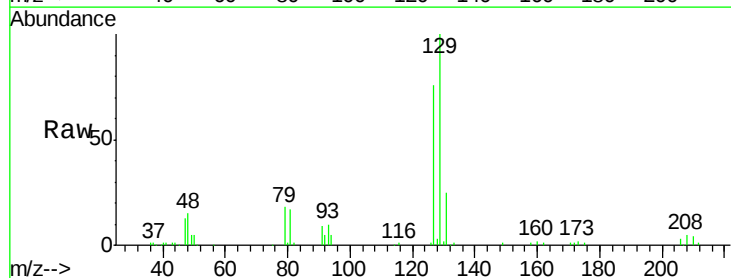
Manual Integrations
APPROVED

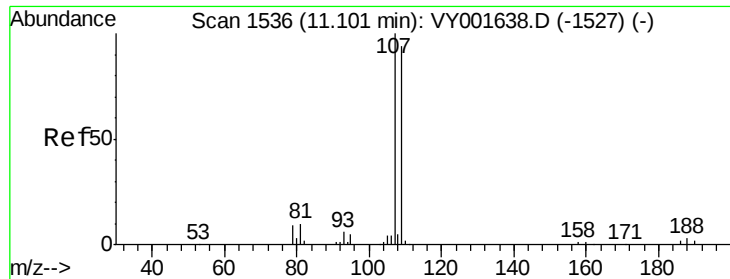
MMDadoda
2/19/2020 10:49:29 AM



#60
Dibromochloromethane
Concen: 19.269 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Tgt Ion: 129 Resp: 40793
Ion Ratio Lower Upper
129 100
127 75.4 38.9 116.6





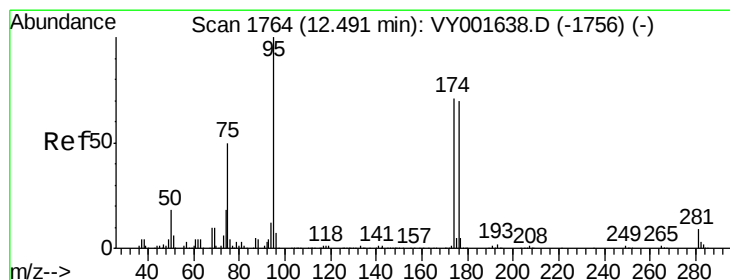
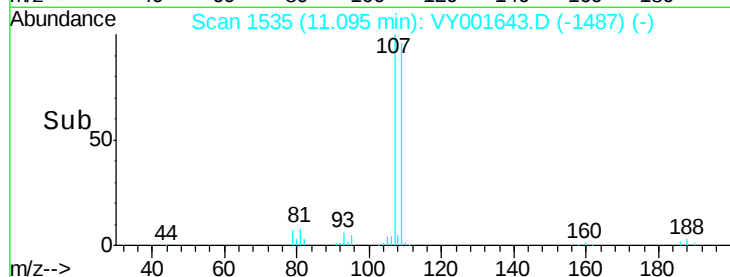
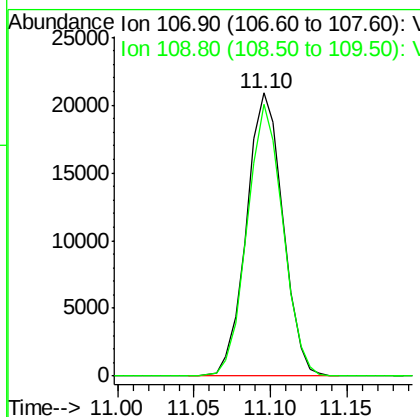
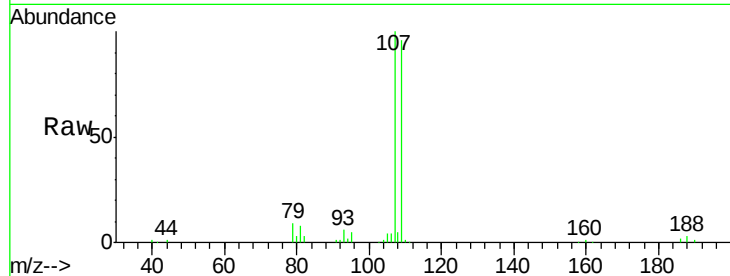
#61
 1,2-Dibromoethane
 Concen: 19.015 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY001643.D
 Acq: 17 Feb 2020 14:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	74.2	111.4

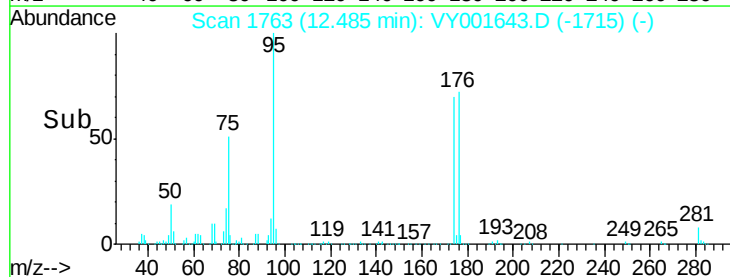
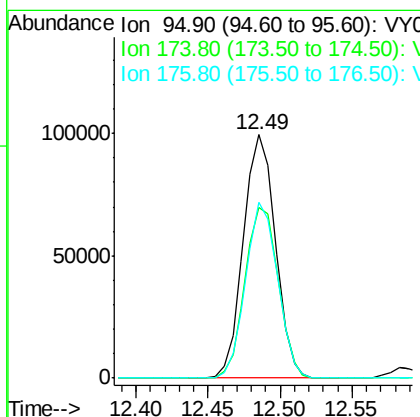
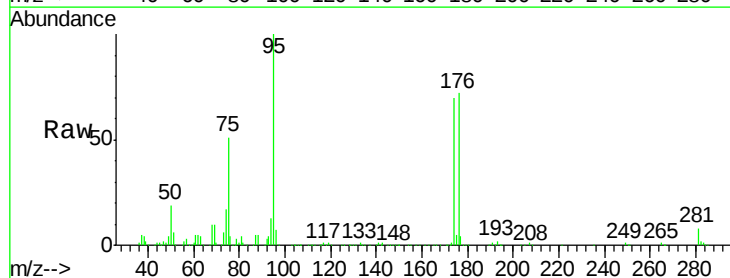
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 2/19/2020 10:49:29 AM



#62
 4-Bromofluorobenzene
 Concen: 49.827 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001643.D
 Acq: 17 Feb 2020 14:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	138.4
176	71.9	0.0	131.8





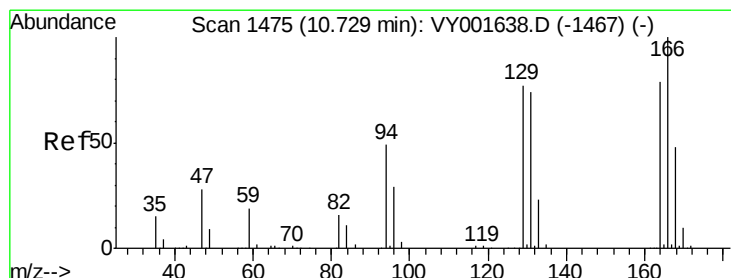
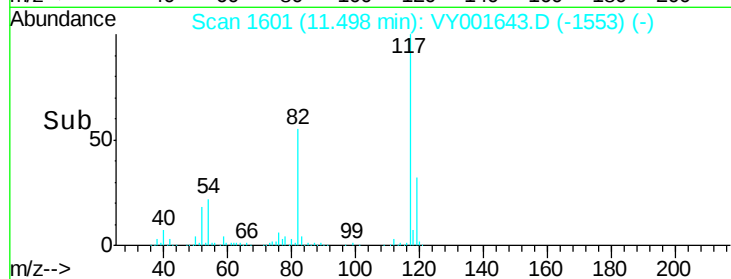
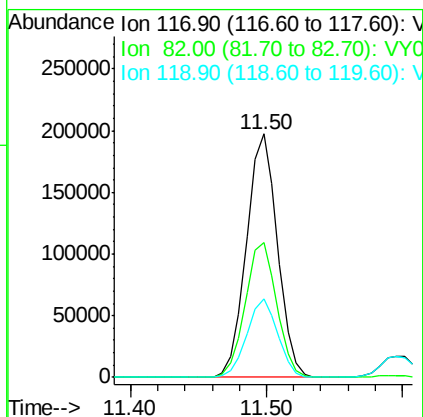
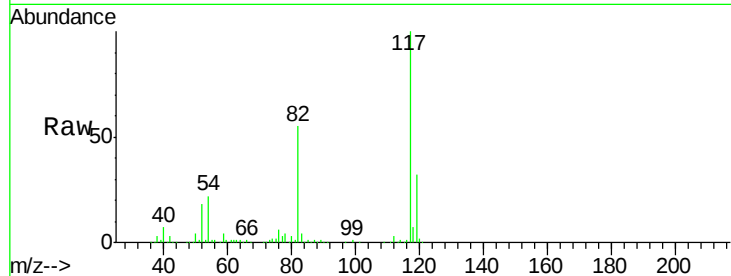
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	315541		
82	55.4	45.5	68.3	
119	32.2	25.8	38.6	

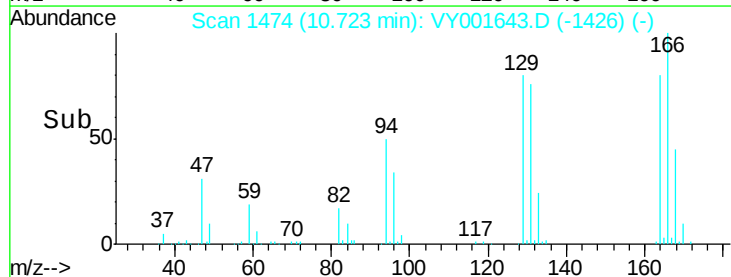
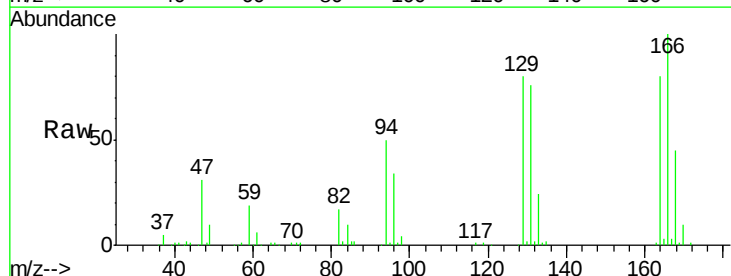
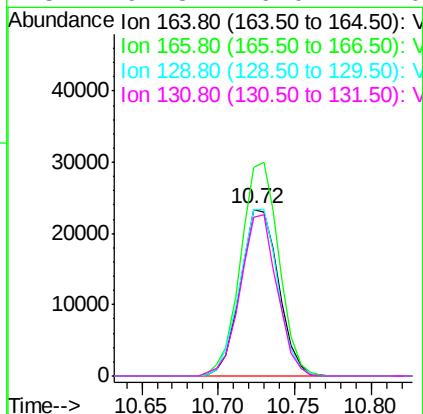
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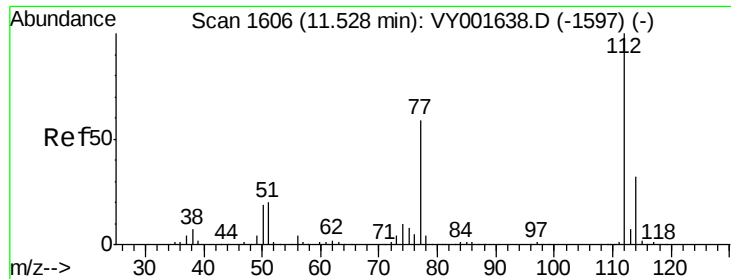
MMDadoda
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#64
Tetrachloroethene
Concen: 20.374 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	40357		
166	124.7	101.4	152.0	
129	99.5	78.7	118.1	
131	94.8	76.0	114.0	





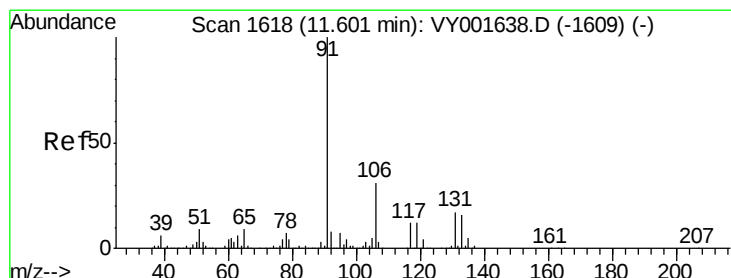
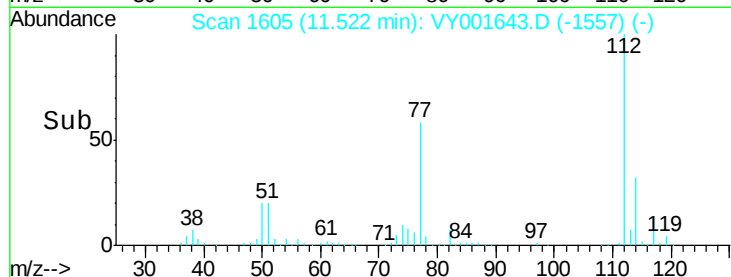
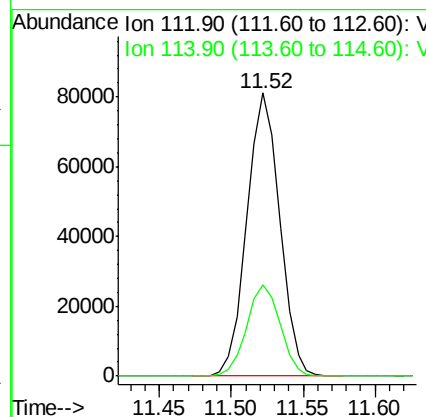
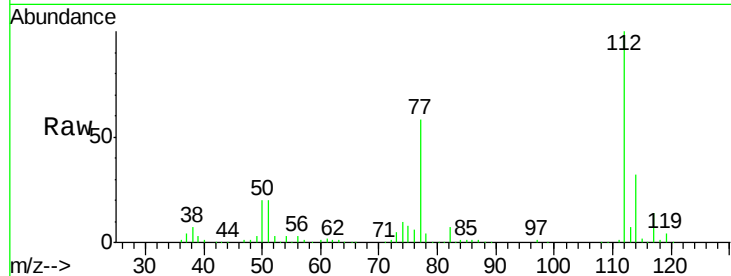
#65
Chlorobenzene
Concen: 20.319 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion:112 Resp: 128005
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.2

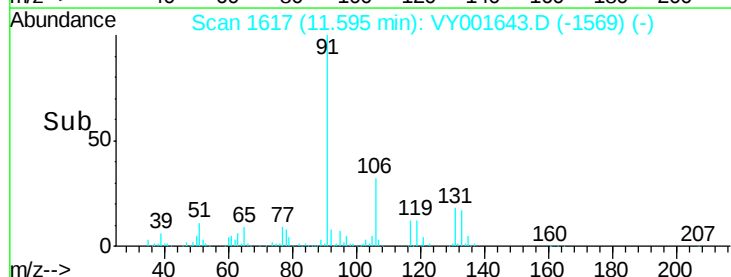
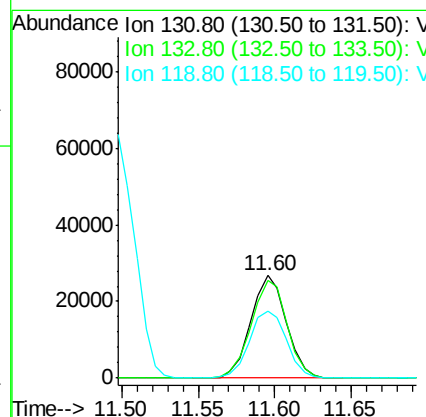
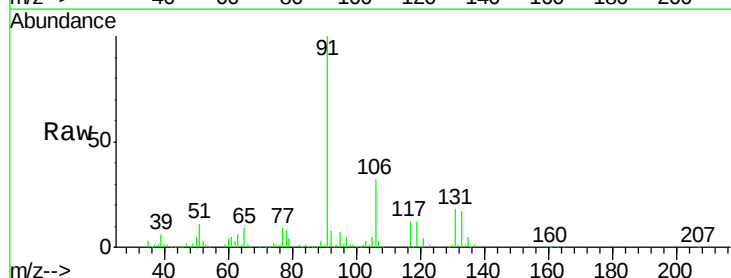
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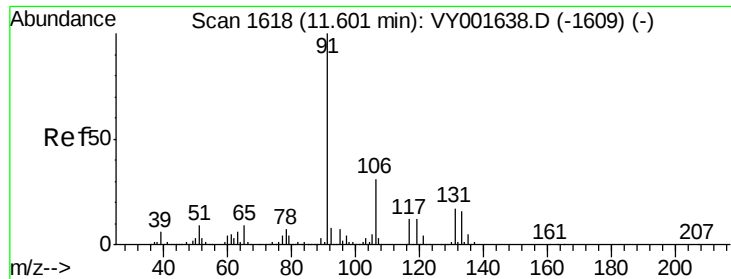
MMDadoda
2/19/2020 10:49:29 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.281 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Tgt Ion:131 Resp: 43100
Ion Ratio Lower Upper
131 100
133 96.3 47.4 142.2
119 67.9 34.4 103.1





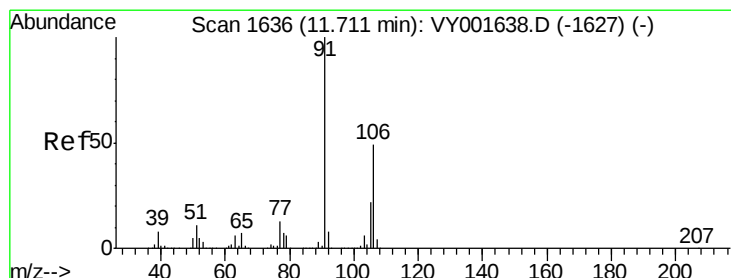
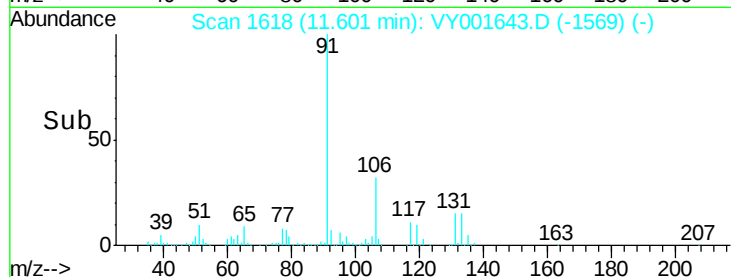
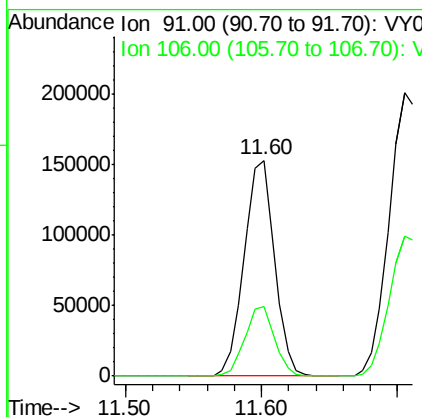
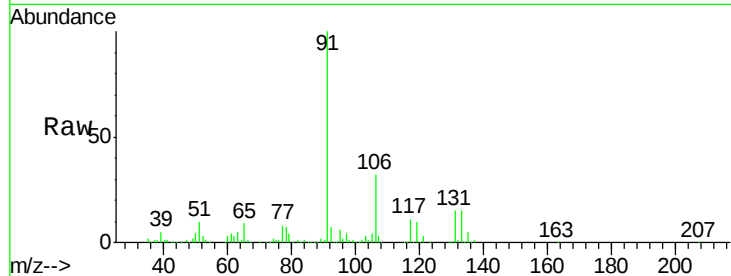
#67
Ethyl Benzene
Concen: 20.546 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion: 91 Resp: 240204
Ion Ratio Lower Upper
91 100
106 32.1 24.5 36.7

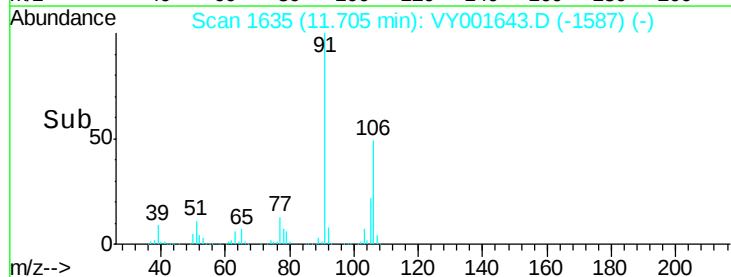
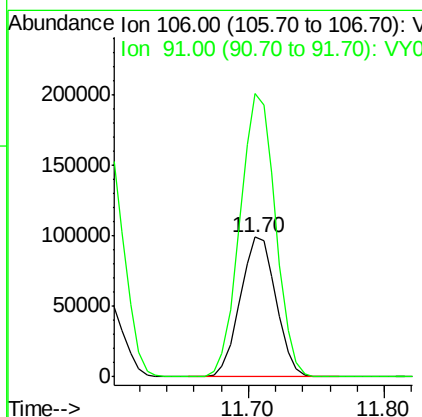
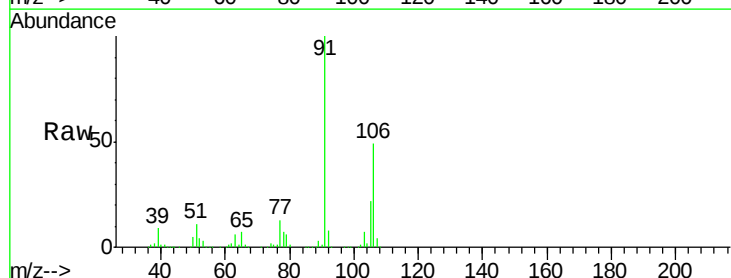
Manual Integrations
APPROVED

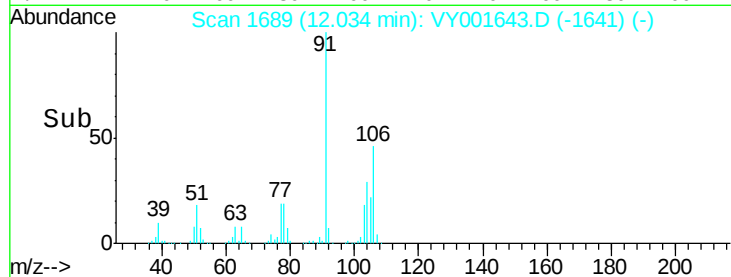
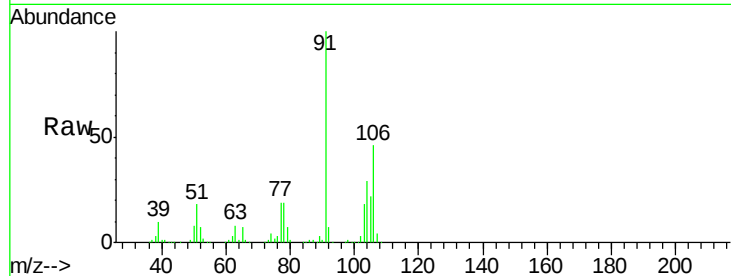
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#68
m/p-Xylenes
Concen: 41.754 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Tgt Ion: 106 Resp: 182340
Ion Ratio Lower Upper
106 100
91 200.5 163.3 244.9





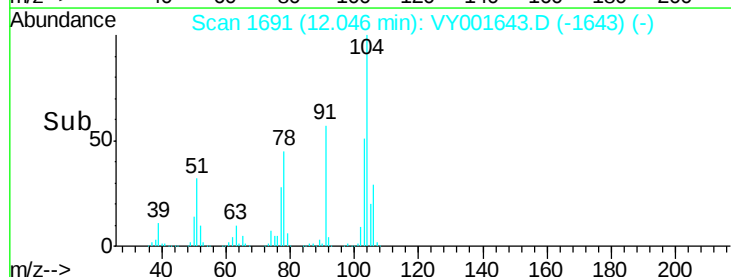
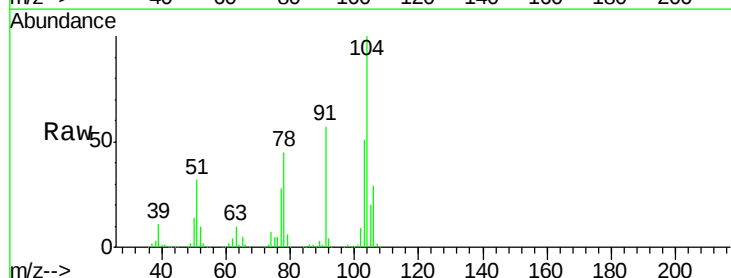
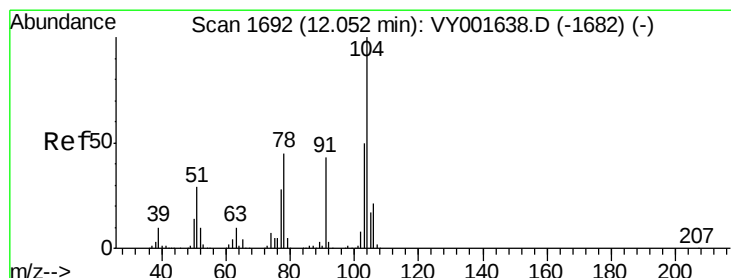
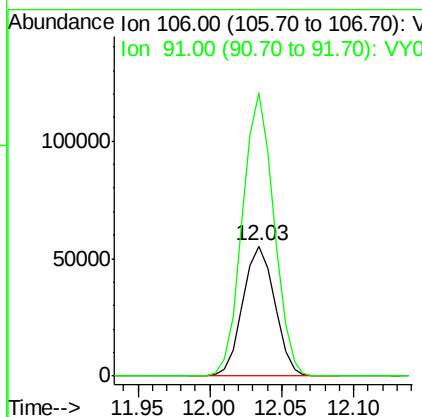
#69
o-Xylene
Concen: 20.513 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Tot Ion:106 Resp: 85165
Ion Ratio Lower Upper
106 100
91 214.1 108.3 324.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

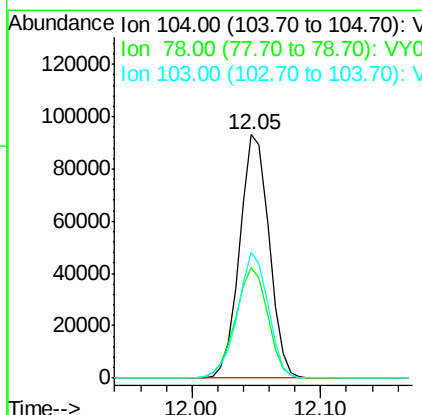
Manual Integrations
APPROVED

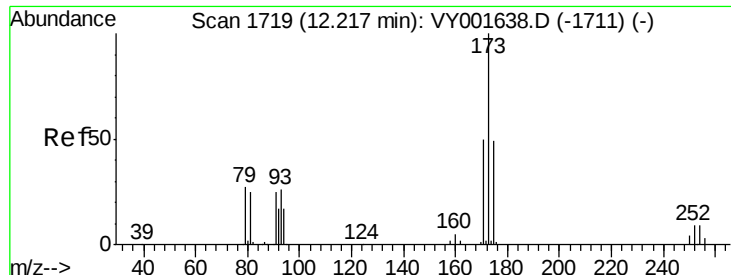
MMDadoda
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#70
Styrene
Concen: 20.404 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Tgt Ion:104 Resp: 147225
Ion Ratio Lower Upper
104 100
78 49.6 39.2 58.8
103 53.7 43.0 64.6





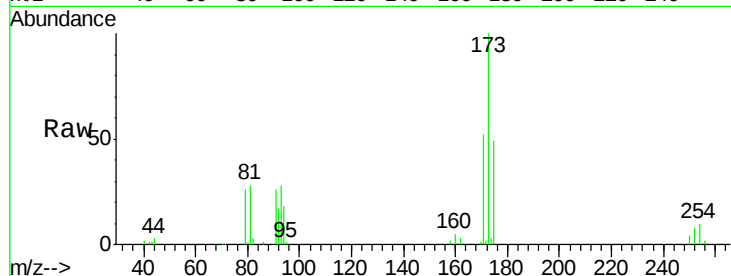
#71
Bromoform
Concen: 18.231 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

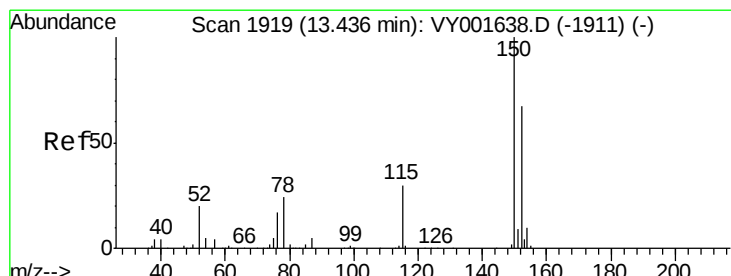
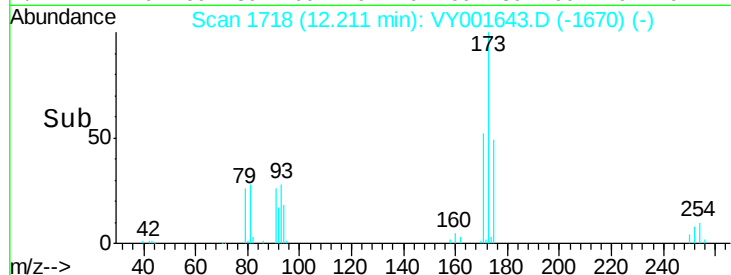
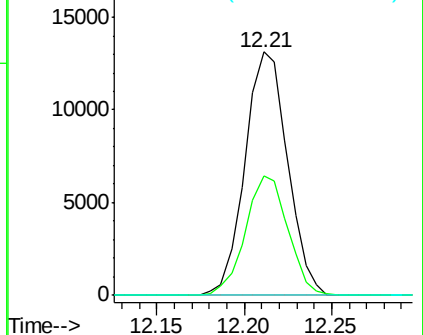
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	73.0
254	0.0	0.1	0.1#

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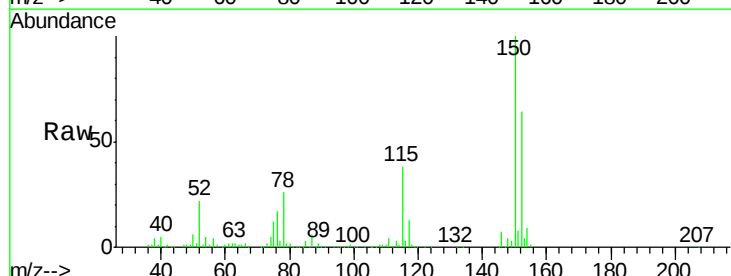


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

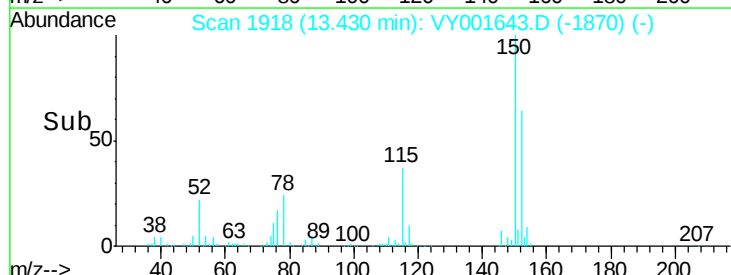
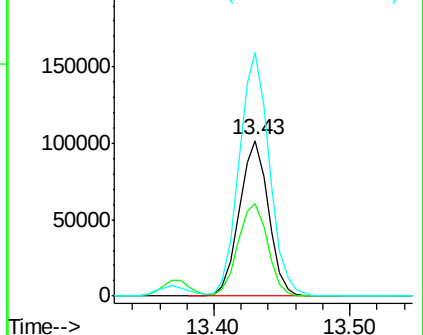


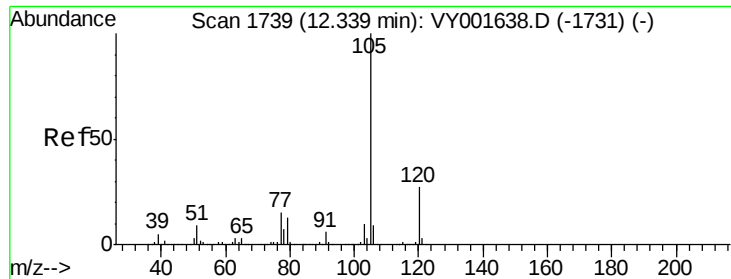
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	31.4	94.2
150	163.7	0.0	407.2



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





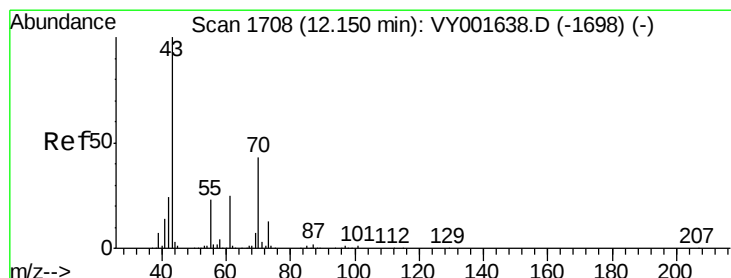
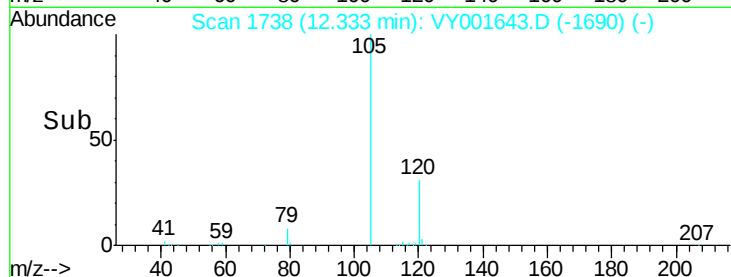
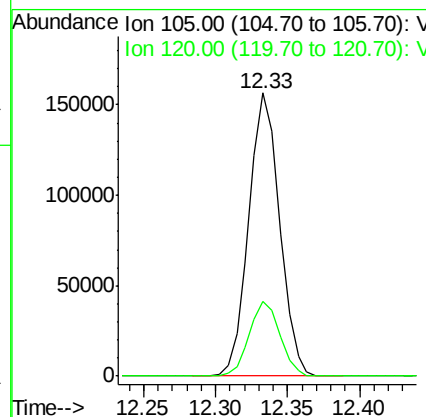
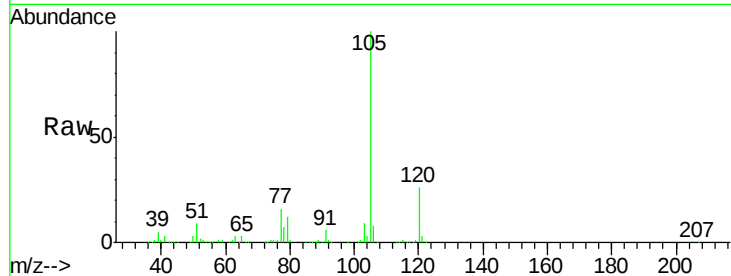
#73
Isopropylbenzene
Concen: 20.105 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	231634		
120	26.3	13.4	40.1	

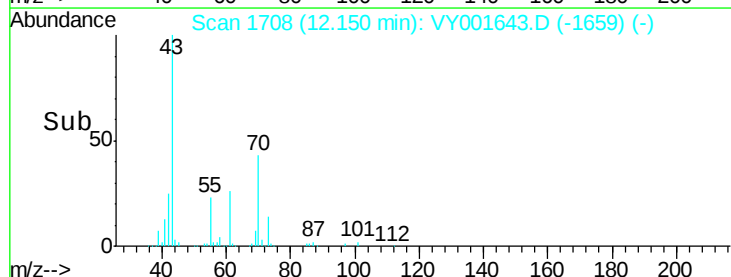
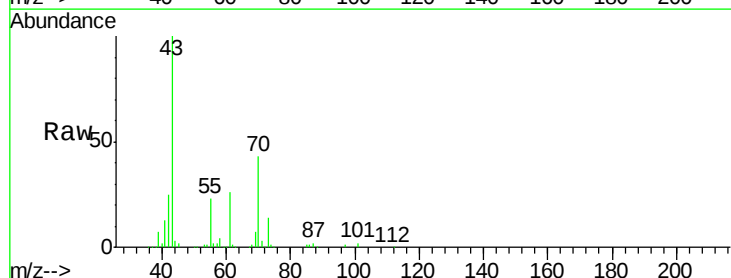
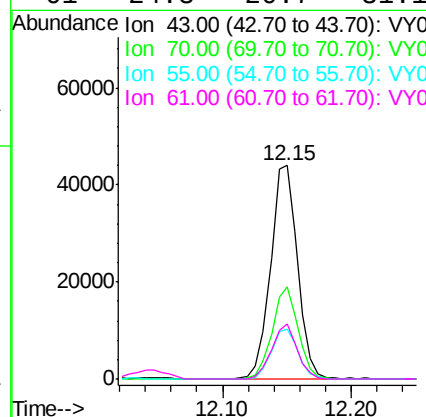
Manual Integrations
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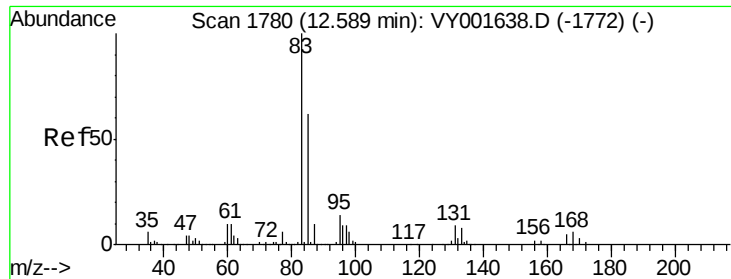
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2/19/2020 10:49:29 AM



#74
N-ethyl acetate
Concen: 17.452 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	64170		
70	41.4	35.9	53.9	
55	23.4	18.3	27.5	
61	24.3	20.7	31.1	





#75

1,1,2,2-Tetrachloroethane

Concen: 17.225 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

Instrument :

MSVOA_Y

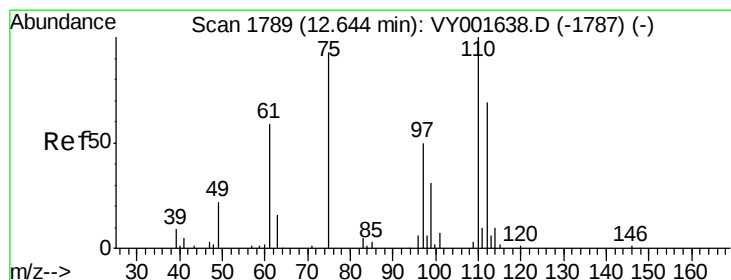
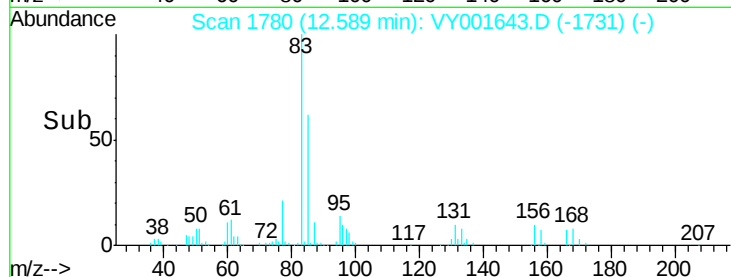
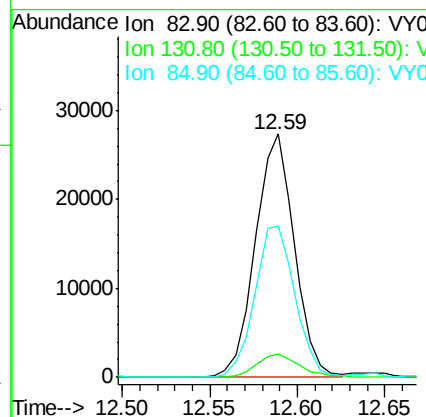
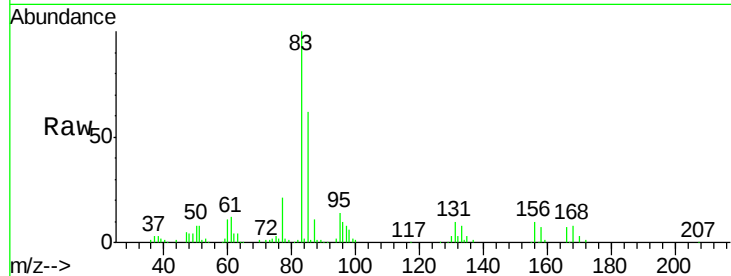
ClientSampleId :

VY0217SBS01

Tot Ion:	83	Resp:	42373
Ion Ratio	Lower	Upper	
83	100		
131	10.4	4.7	14.1
85	64.3	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.979 ug/l m

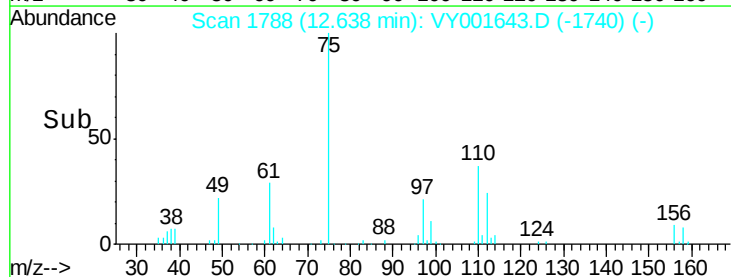
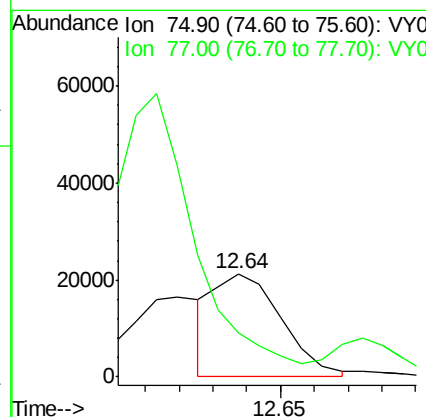
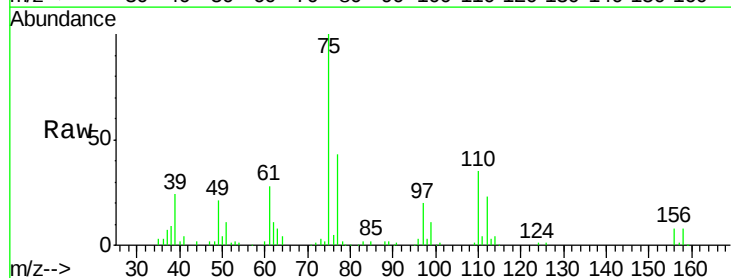
RT: 12.64 min Scan# 1788

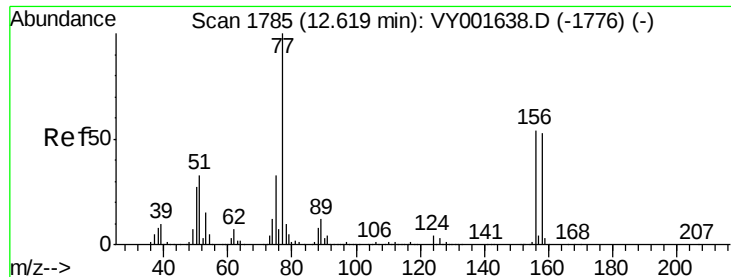
Delta R.T. -0.01 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

Tgt Ion:	75	Resp:	29455
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.021 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

Instrument :

MSVOA_Y

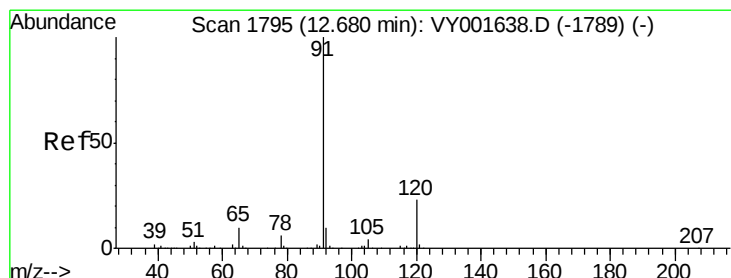
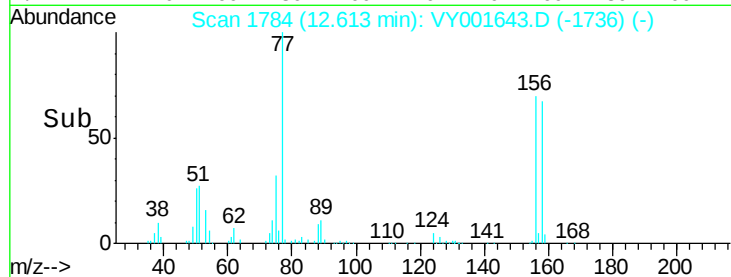
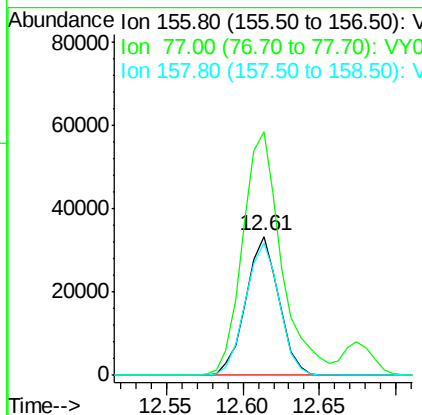
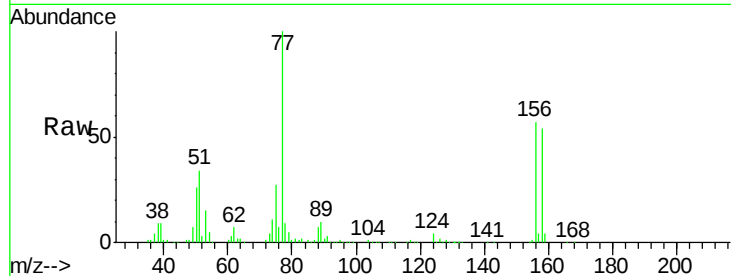
ClientSampleId :

VY0217SBS01

Tot Ion	156	Resp	50003
Ion	Ratio	Lower	Upper
156	100		
77	205.5	110.1	330.1
158	97.8	47.9	143.7

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#78

n-propylbenzene

Concen: 20.622 ug/l

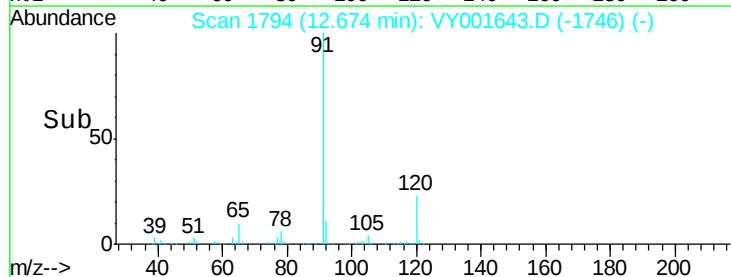
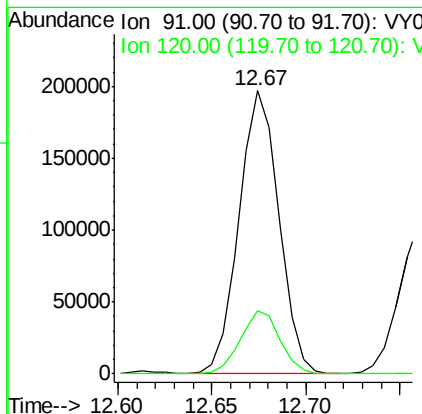
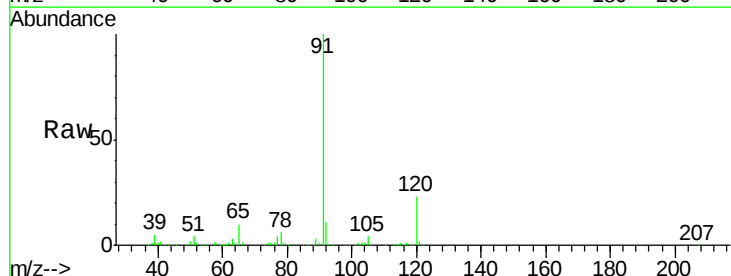
RT: 12.67 min Scan# 1794

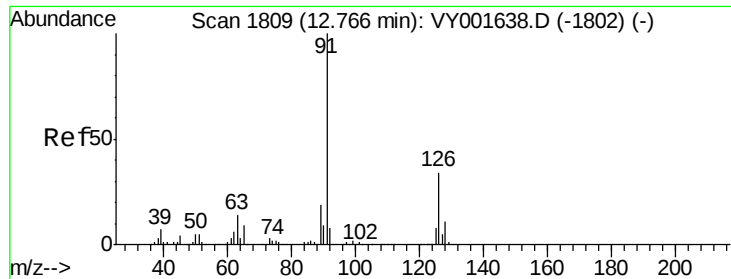
Delta R.T. -0.01 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

Tgt Ion	91	Resp	289365
Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1





#79

2-Chlorotoluene

Concen: 20.099 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion: 91 Resp: 158174

Ion Ratio Lower Upper

91 100

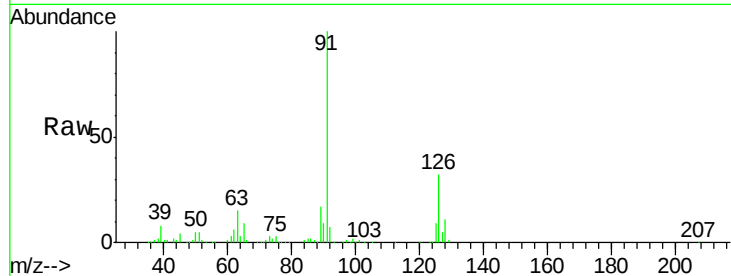
126 32.6 16.2 48.6

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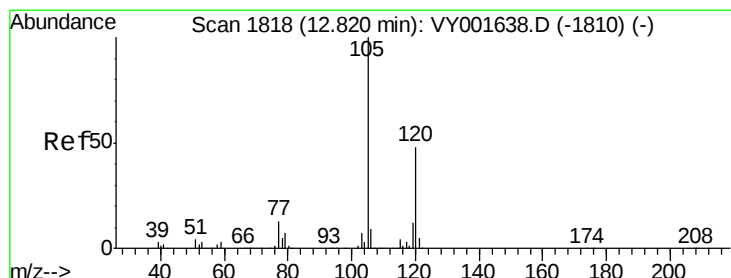
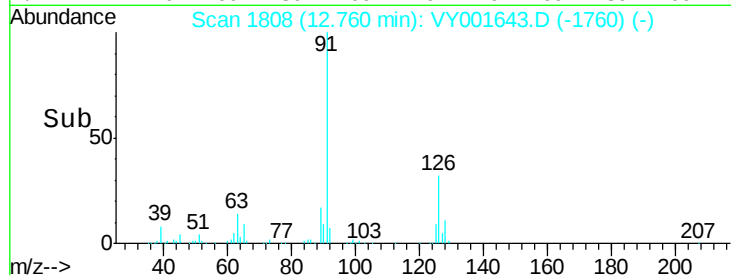
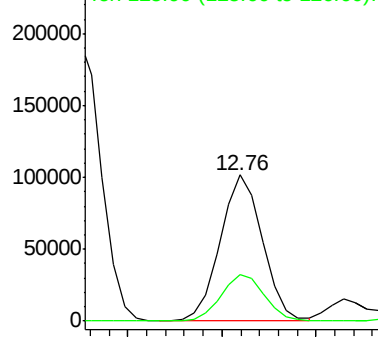
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Abundance Ion 91.00 (90.70 to 91.70): VY001638.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.399 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001643.D

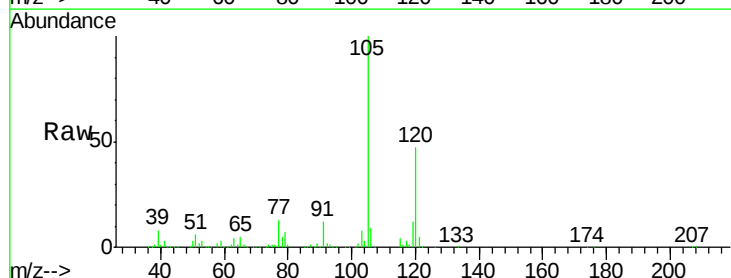
Acq: 17 Feb 2020 14:11

Tgt Ion: 105 Resp: 194545

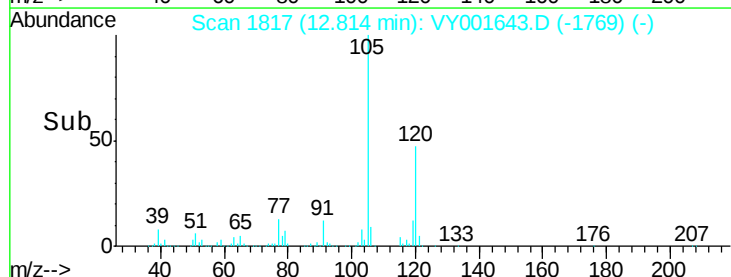
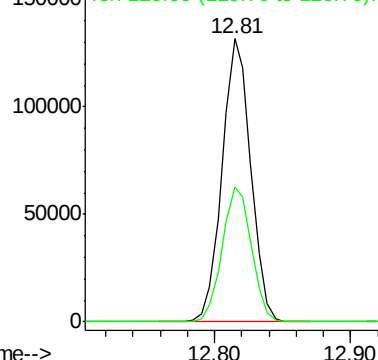
Ion Ratio Lower Upper

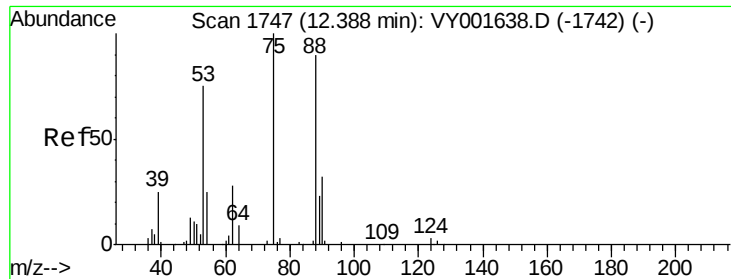
105 100

120 48.7 24.3 72.9



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





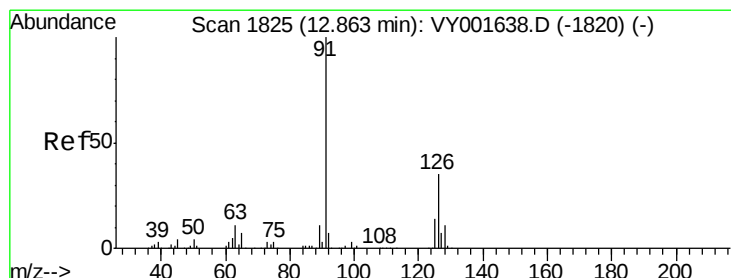
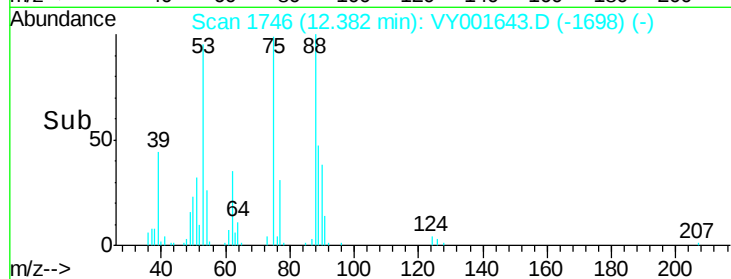
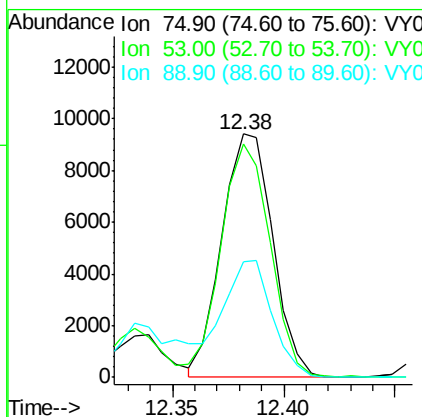
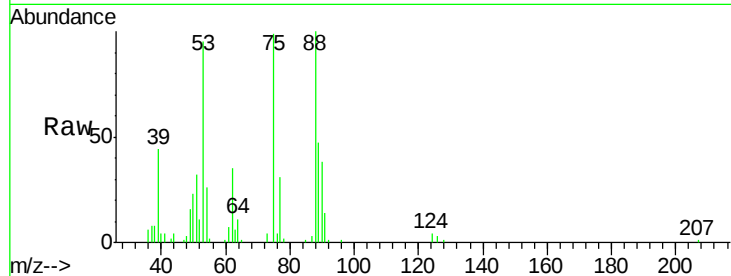
#81
trans-1,4-Dichloro-2-butene
Concen: 16.414 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.3	64.5	96.7
89	45.2	36.3	54.5

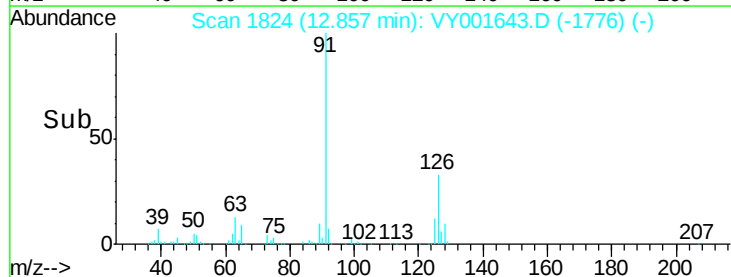
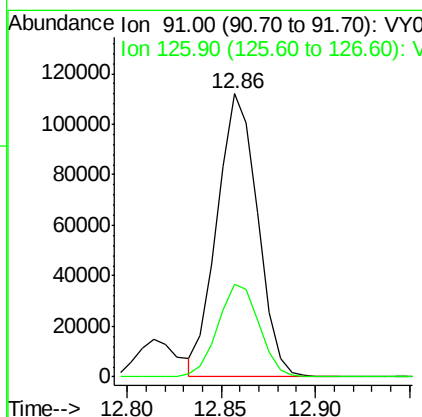
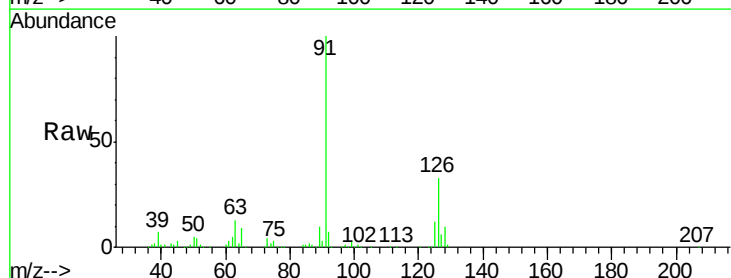
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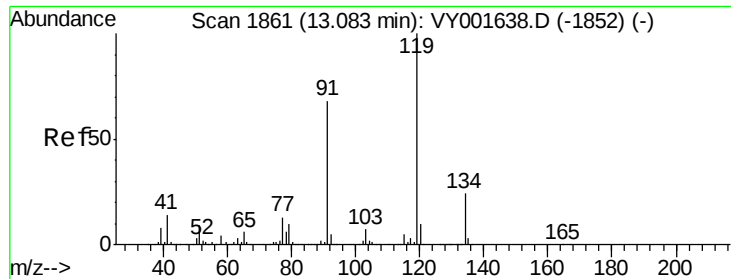
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#82
4-Chlorotoluene
Concen: 20.127 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.2	48.6





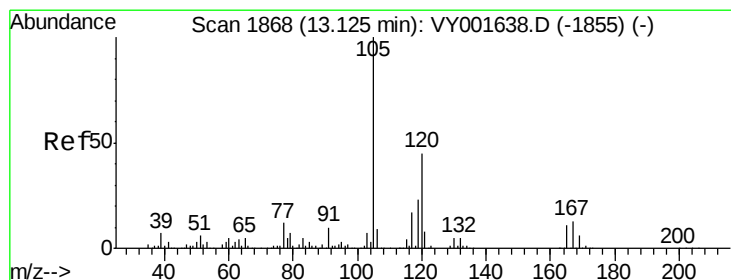
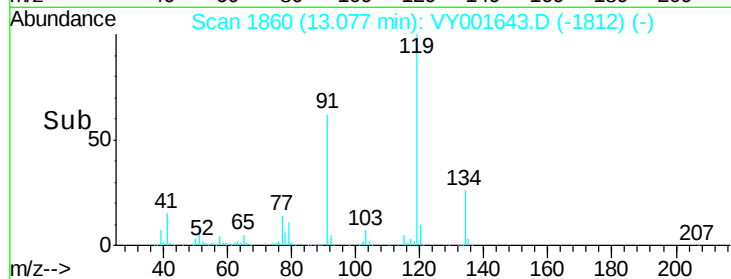
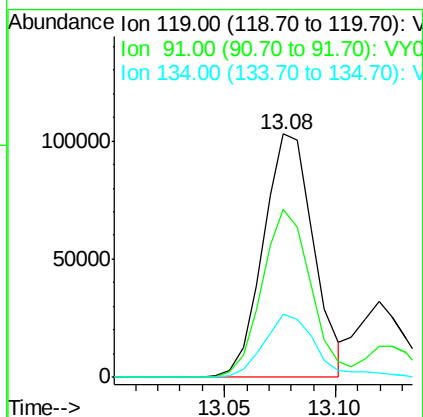
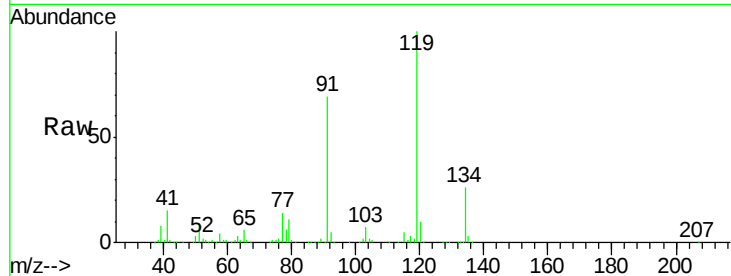
#83
tert-Butylbenzene
Concen: 20.263 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	161627		
91	67.2	33.5	100.5	
134	27.1	13.3	39.8	

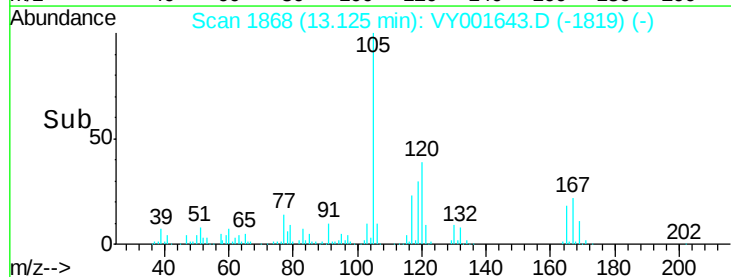
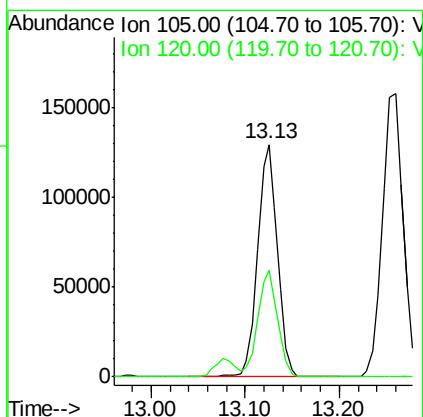
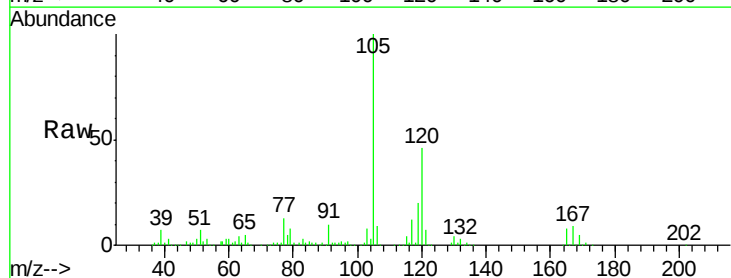
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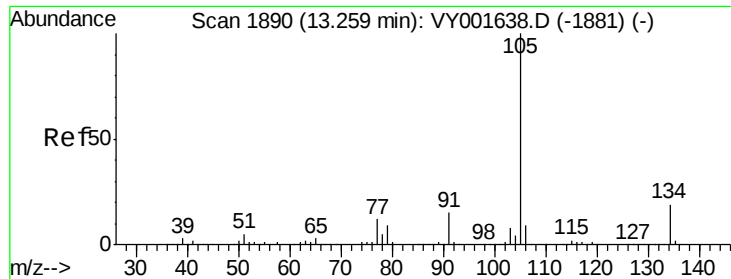
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#84
1,2,4-Trimethylbenzene
Concen: 20.210 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	192150		
120	45.8	22.4	67.3	





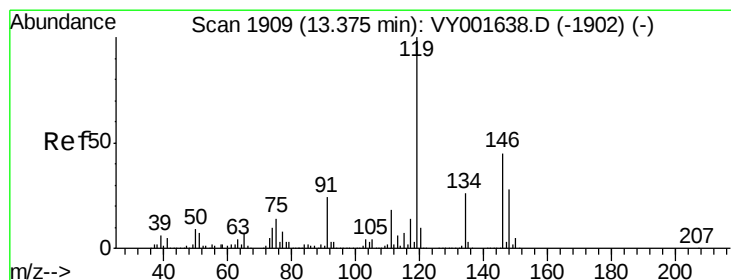
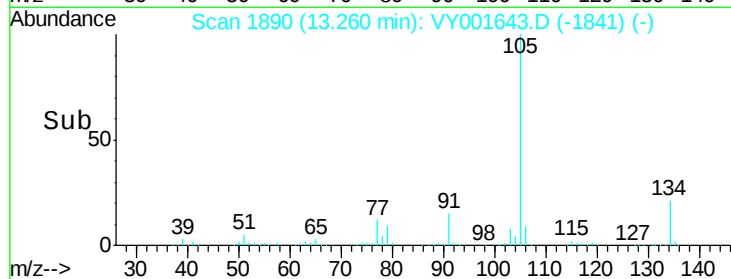
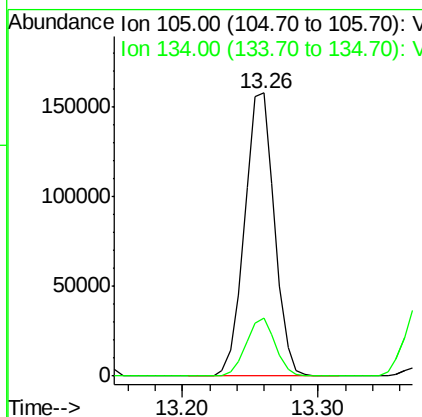
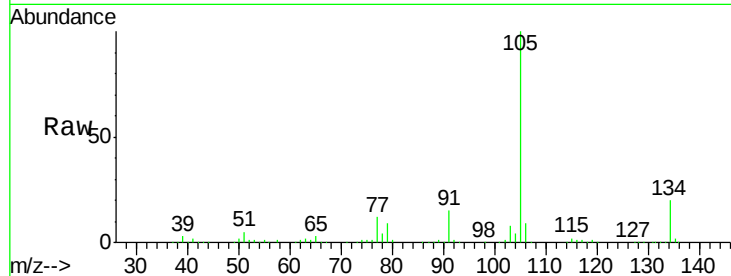
#85
 sec-Butylbenzene
 Concen: 20.553 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VY001643.D
 Acq: 17 Feb 2020 14:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	9.8	29.3

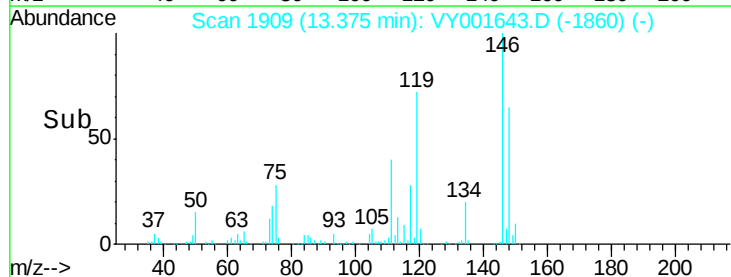
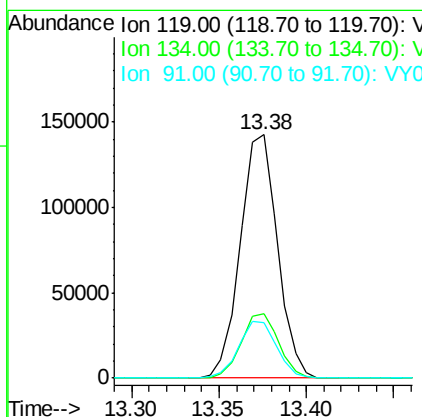
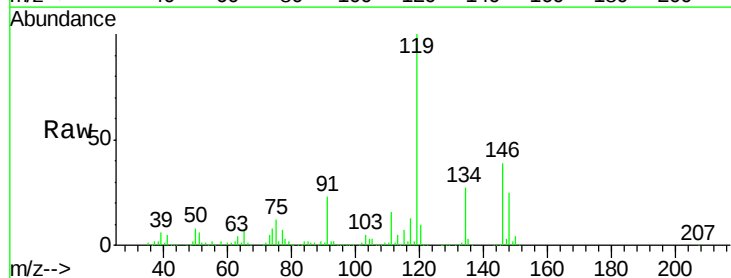
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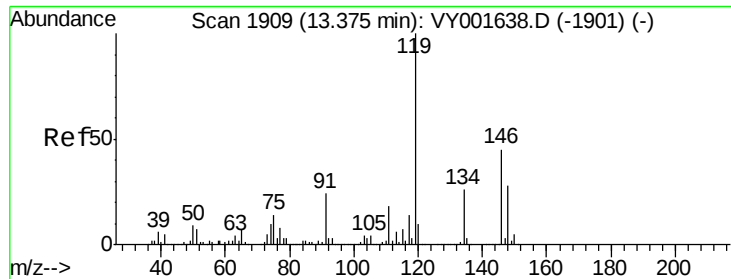
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#86
 p-Isopropyltoluene
 Concen: 20.731 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001643.D
 Acq: 17 Feb 2020 14:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.0	39.0
91	23.7	12.2	36.6





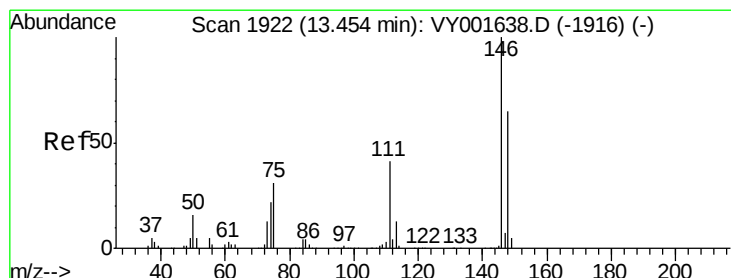
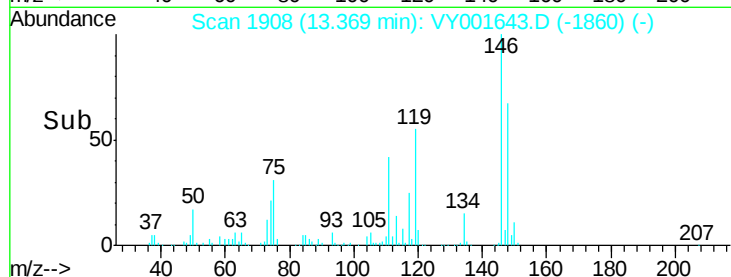
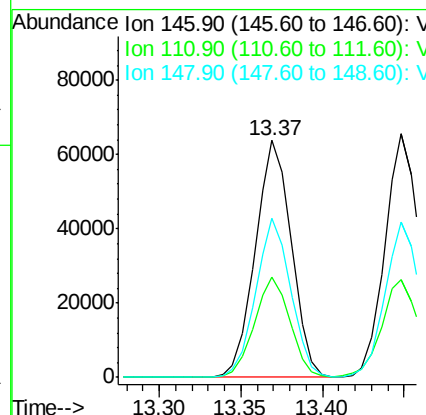
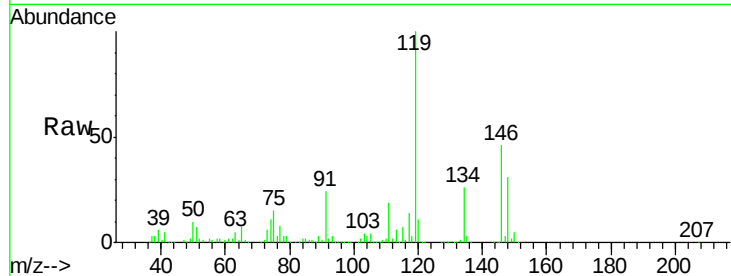
#87
 1,3-Dichlorobenzene
 Concen: 20.326 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001643.D
 Acq: 17 Feb 2020 14:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.4	64.3
148	65.1	31.6	94.7

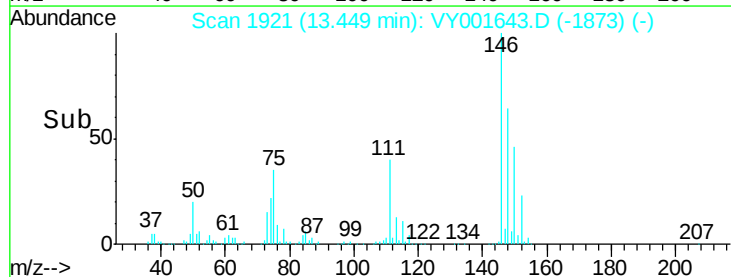
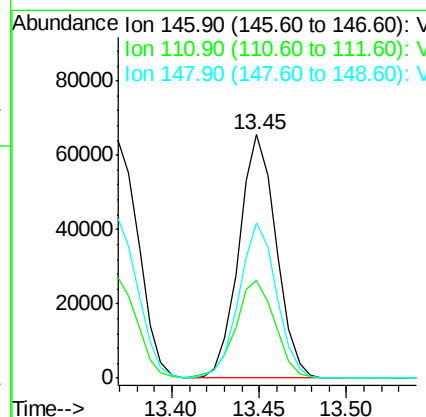
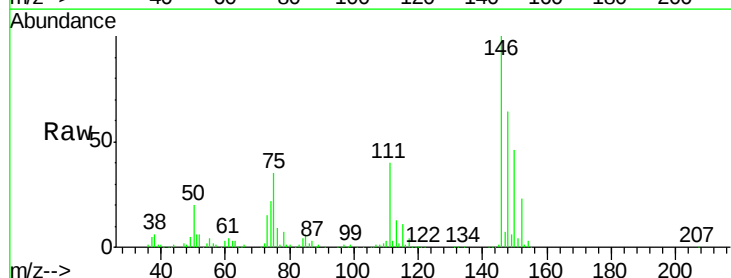
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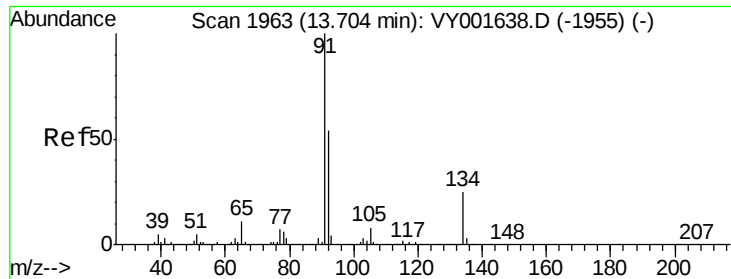
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#88
 1,4-Dichlorobenzene
 Concen: 19.819 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001643.D
 Acq: 17 Feb 2020 14:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.4	61.3
148	64.0	31.6	94.7





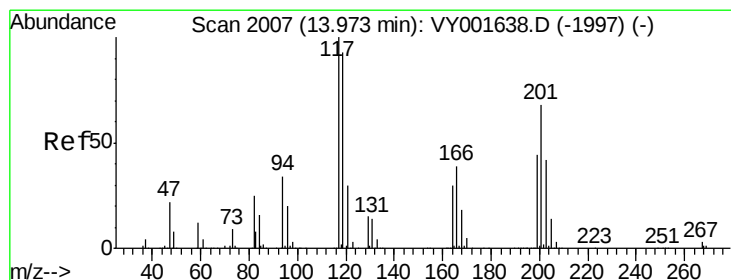
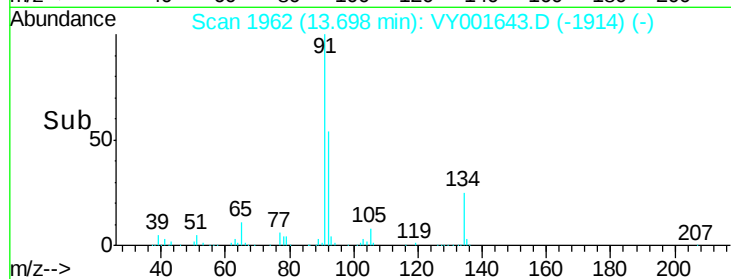
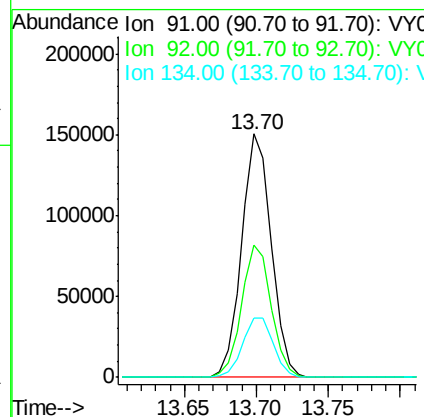
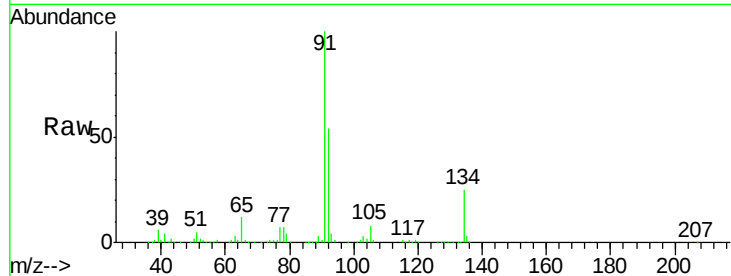
#89
n-Butylbenzene
Concen: 20.673 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.5	82.4
134	25.4	12.4	37.4

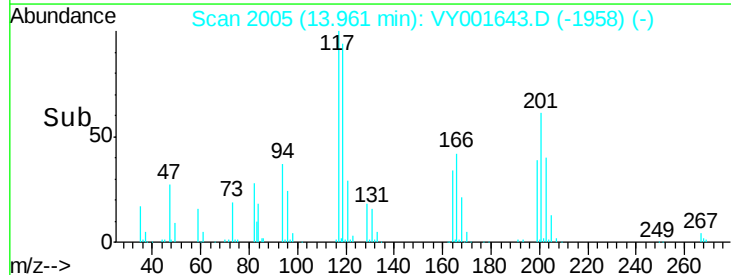
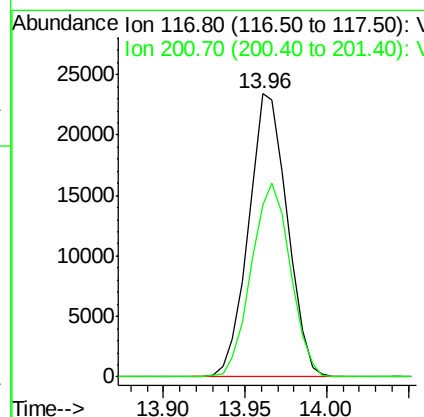
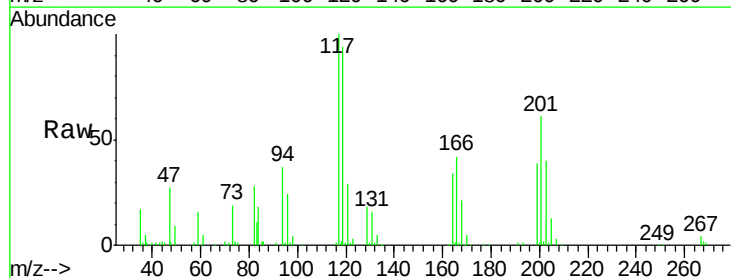
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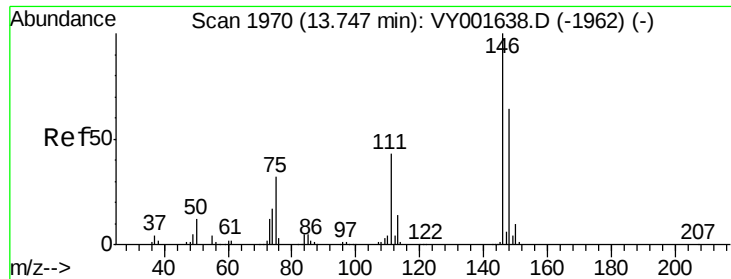
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#90
Hexachloroethane
Concen: 20.137 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.9	32.5	97.4





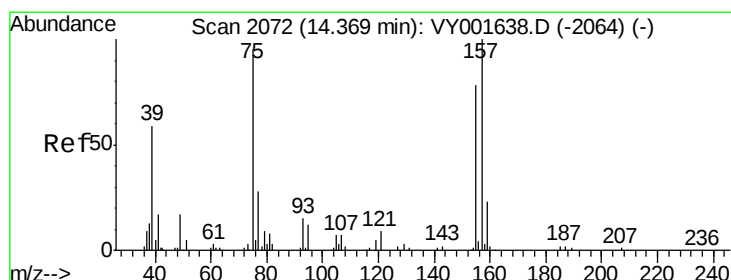
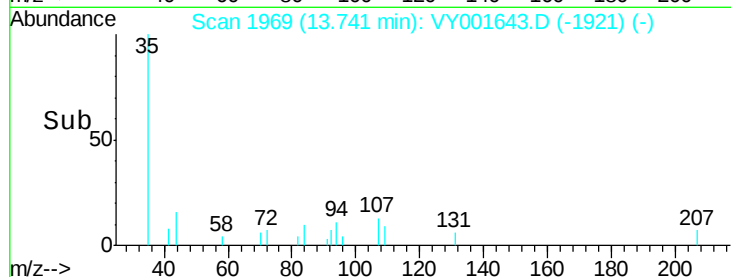
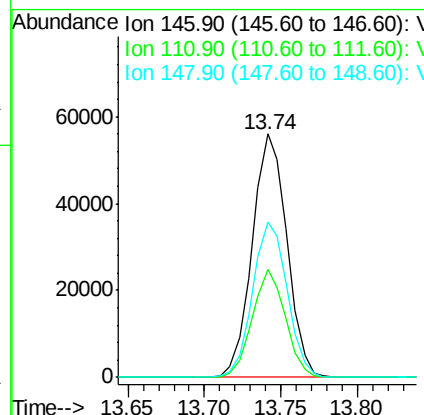
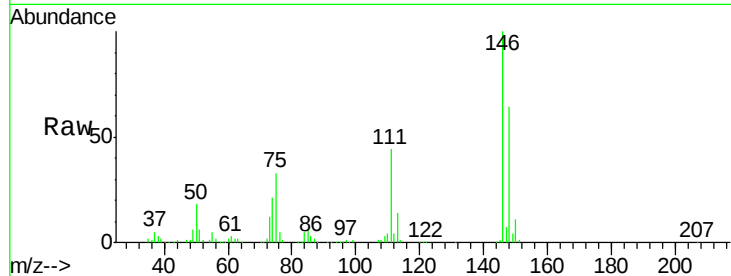
#91
1,2-Dichlorobenzene
Concen: 19.708 ug/l
RT: 13.74 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.9	65.7
148	63.7	31.5	94.5

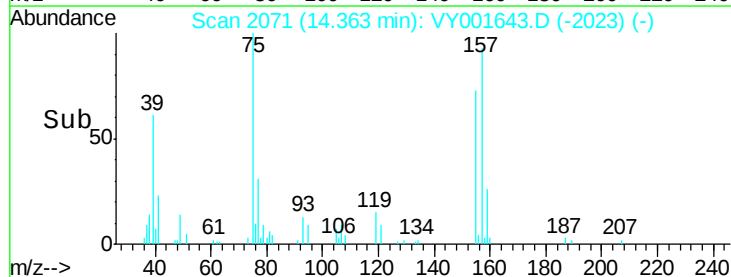
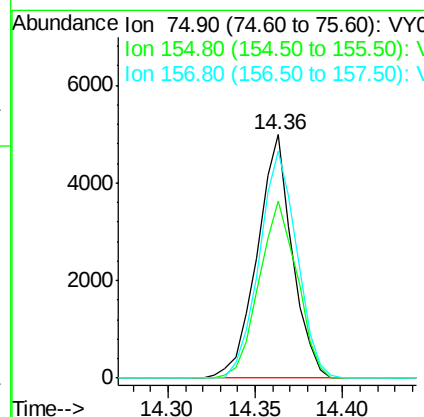
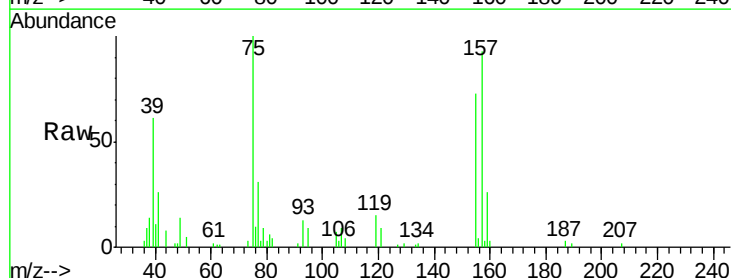
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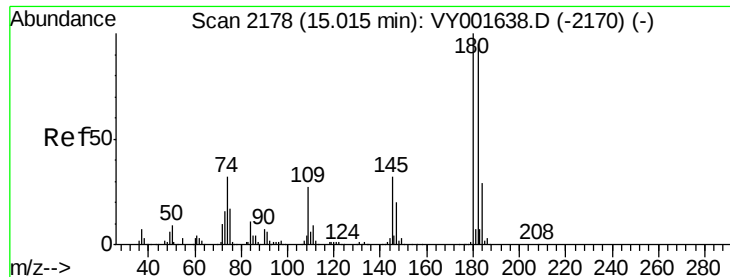
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#92
1,2-Dibromo-3-Chloropropane
Concen: 17.099 ug/l
RT: 14.36 min Scan# 2071
Delta R.T. -0.01 min
Lab File: VY001643.D
Acq: 17 Feb 2020 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.8	40.8	122.4
157	100.2	52.1	156.4





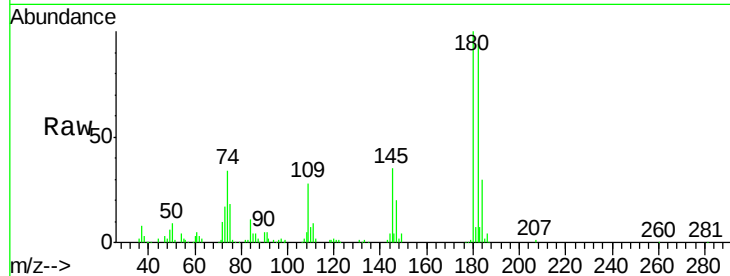
#93
 1,2,4-Trichlorobenzene
 Concen: 20.178 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY001643.D
 Acq: 17 Feb 2020 14:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

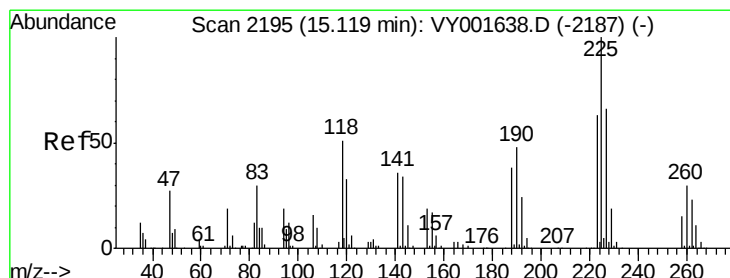
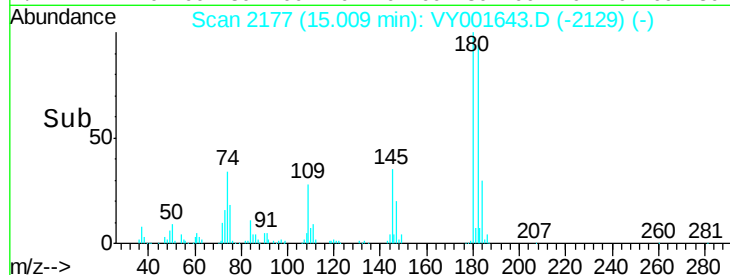
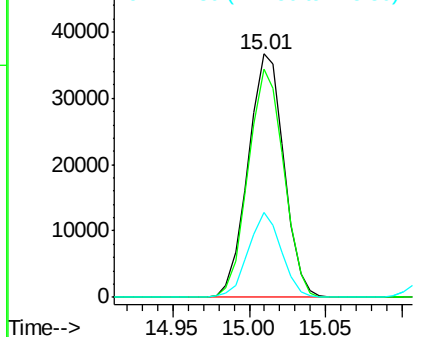
Tot Ion	Ratio	Resp	Lower	Upper
180	100	59773		
182	93.1	46.8	140.3	
145	32.5	16.2	48.5	

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 10:49:29 AM

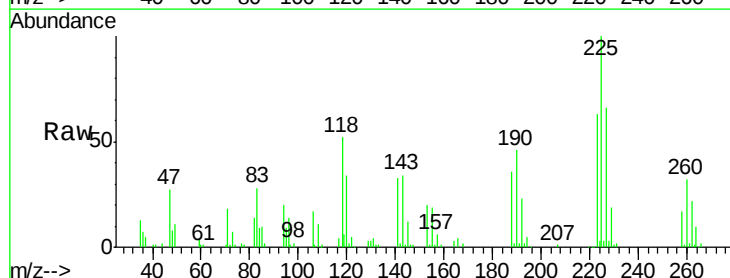


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

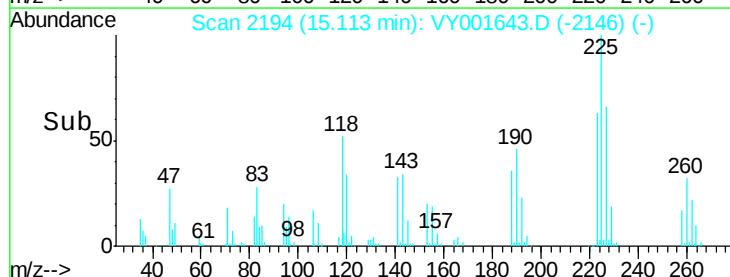
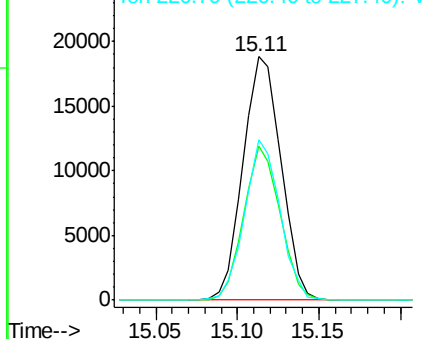


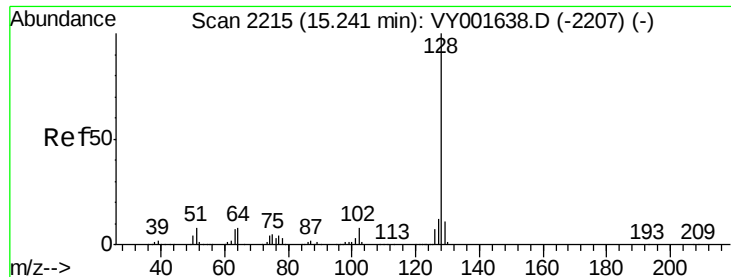
#94
 Hexachlorobutadiene
 Concen: 20.801 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: VY001643.D
 Acq: 17 Feb 2020 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	30643		
223	60.4	31.4	94.0	
227	61.4	31.6	94.8	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.301 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

Instrument :

MSVOA_Y

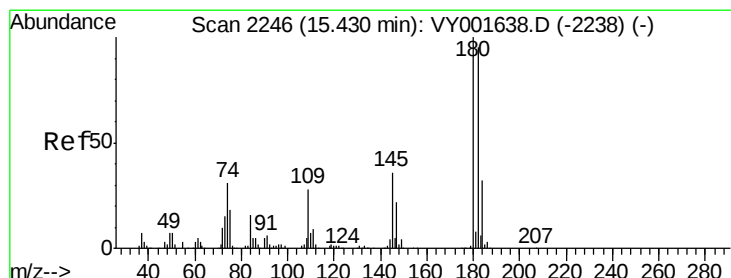
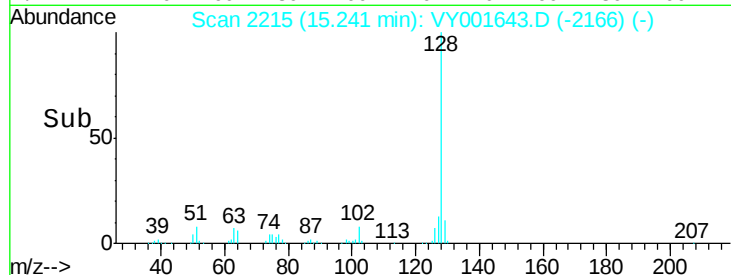
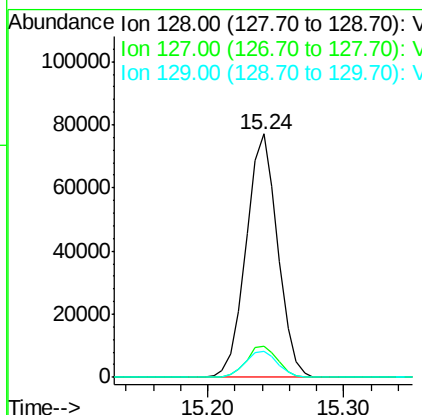
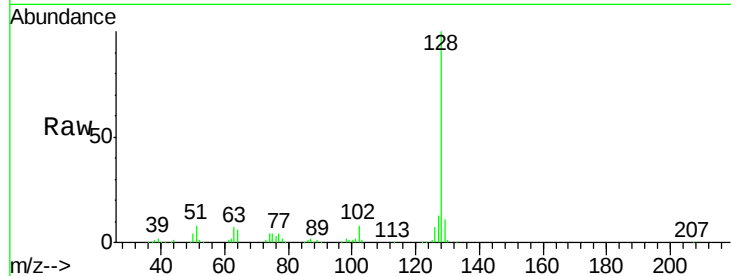
ClientSampleId :

VY0217SBS01

Tot Ion:	128	Resp:	124996
Ion Ratio	Lower	Upper	
128	100		
127	13.0	9.9	14.9
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:49:29 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.896 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VY001643.D

Acq: 17 Feb 2020 14:11

Tgt Ion:	180	Resp:	49244
Ion Ratio	Lower	Upper	
180	100		
182	97.3	47.2	141.6
145	34.3	17.3	52.0

