

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091119\
 Data File : VY000011.D
 Acq On : 11 Sep 2019 20:21
 Operator : SY/MD
 Sample : VY0911SBSD01
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:51:38 PM

Quant Time: Sep 19 11:45:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 11:25:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	136854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	265251	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	222253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	92013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	76052	54.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.64%	
35) Dibromofluoromethane	7.72	113	74133	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	10.18	98	314713	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.48	95	105168	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	22101	22.013	ug/l	97
3) Chloromethane	2.11	50	30410	18.123	ug/l	99
4) Vinyl Chloride	2.24	62	34419	21.699	ug/l	97
5) Bromomethane	2.62	94	21902	23.666	ug/l	92
6) Chloroethane	2.78	64	21567	20.622	ug/l	94
7) Trichlorofluoromethane	3.12	101	43205	22.116	ug/l	93
8) Diethyl Ether	3.53	74	17430	22.748	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.89	101	28877	22.081	ug/l	98
10) Methyl Iodide	4.09	142	30127	19.797	ug/l	98
11) Tert butyl alcohol	4.98	59	21541	129.101	ug/l	100
12) 1,1-Dichloroethene	3.87	96	26510	20.944	ug/l	90
13) Acrolein	3.73	56	18154	148.207	ug/l	99
14) Allyl chloride	4.48	41	41077	21.332	ug/l	97
15) Acrylonitrile	5.17	53	57096	113.580	ug/l	97
16) Acetone	3.95	43	38262	98.847	ug/l	93
17) Carbon Disulfide	4.18	76	55008	21.291	ug/l	95
18) Methyl Acetate	4.48	43	24397	20.884	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	83464	23.408	ug/l	95
20) Methylene Chloride	4.71	84	33893	21.588	ug/l #	93
21) trans-1,2-Dichloroethene	5.21	96	28876	21.172	ug/l	94
22) Diisopropyl ether	6.12	45	90099	21.522	ug/l	99
23) Vinyl Acetate	6.06	43	308295	108.631	ug/l	99
24) 1,1-Dichloroethane	6.02	63	56244	22.430	ug/l	97
25) 2-Butanone	6.99	43	66799	109.291	ug/l	98
26) 2,2-Dichloropropane	6.98	77	44340	20.680	ug/l	98
27) cis-1,2-Dichloroethene	6.98	96	37063	21.660	ug/l	99
28) Bromochloromethane	7.34	49	21459	18.573	ug/l	94
29) Tetrahydrofuran	7.35	42	42349	110.910	ug/l	97
30) Chloroform	7.51	83	55469	21.854	ug/l	97
31) Cyclohexane	7.78	56	45768	21.826	ug/l	96
32) 1,1,1-Trichloroethane	7.70	97	45303	21.624	ug/l	98
36) 1,1-Dichloropropene	7.92	75	38758	20.214	ug/l	99
37) Ethyl Acetate	7.08	43	27335	20.846	ug/l	99
38) Carbon Tetrachloride	7.89	117	37733	20.499	ug/l #	90

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 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 11:25:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	47132	19.939	ug/l	98
40) Benzene	8.16	78	129256	20.964	ug/l	98
41) Methacrylonitrile	7.32	41	15911	20.243	ug/l	96
42) 1,2-Dichloroethane	8.24	62	33021	20.541	ug/l	99
43) Isopropyl Acetate	8.27	43	53928	22.373	ug/l	96
44) Trichloroethene	8.93	130	32057	20.209	ug/l	96
45) 1,2-Dichloropropane	9.21	63	33002	20.852	ug/l	90
46) Dibromomethane	9.31	93	18289	21.356	ug/l	95
47) Bromodichloromethane	9.49	83	43781	21.344	ug/l #	94
48) Methyl methacrylate	9.29	41	22543	21.171	ug/l	95
49) 1,4-Dioxane	9.30	88	7748	460.267	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	149675	112.804	ug/l	99
52) Toluene	10.24	92	79662	20.523	ug/l	97
53) t-1,3-Dichloropropene	10.46	75	45074	20.918	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	53394	21.226	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	27841	20.975	ug/l	99
56) Ethyl methacrylate	10.51	69	40947	21.428	ug/l	95
57) 1,3-Dichloropropane	10.79	76	45959	20.981	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	105062	106.571	ug/l	97
59) 2-Hexanone	10.83	43	108530	114.878	ug/l	100
60) Dibromochloromethane	10.98	129	30582	21.619	ug/l	95
61) 1,2-Dibromoethane	11.09	107	25865	21.183	ug/l	94
64) Tetrachloroethene	10.71	164	28064	20.655	ug/l	92
65) Chlorobenzene	11.51	112	88541	21.552	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.59	131	31359	22.561	ug/l	98
67) Ethyl Benzene	11.59	91	154091	20.528	ug/l	97
68) m/p-Xylenes	11.70	106	118424	41.536	ug/l	99
69) o-Xylene	12.02	106	56897	20.750	ug/l	94
70) Styrene	12.04	104	102405	21.449	ug/l	98
71) Bromoform	12.21	173	17757	21.087	ug/l #	93
73) Isopropylbenzene	12.32	105	155288	22.321	ug/l	100
74) N-amyl acetate	12.14	43	45694	23.665	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	39348	24.550	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	27466m	25.295	ug/l	
77) Bromobenzene	12.60	156	33244	22.419	ug/l	98
78) n-propylbenzene	12.66	91	184022	21.856	ug/l	100
79) 2-Chlorotoluene	12.75	91	101847	21.803	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	126469	21.988	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.37	75	14820	23.626	ug/l	98
82) 4-Chlorotoluene	12.85	91	107599	22.054	ug/l	100
83) tert-Butylbenzene	13.07	119	108702	22.214	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	124163	22.068	ug/l	98
85) sec-Butylbenzene	13.25	105	156996	21.523	ug/l	100
86) p-Isopropyltoluene	13.37	119	132001	21.515	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	64075	22.399	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	63188	21.905	ug/l	97
89) n-Butylbenzene	13.69	91	130610	21.304	ug/l	98
90) Hexachloroethane	13.96	117	26730	21.535	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	60556	22.478	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	7574	25.377	ug/l	96

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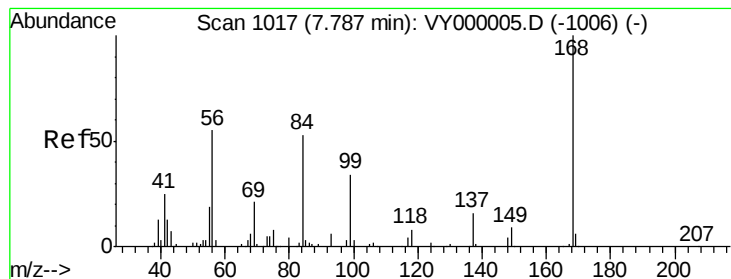
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QLast Update : Thu Sep 19 11:25:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	36130	21.993	ug/l	96
94) Hexachlorobutadiene	15.10	225	17190	21.610	ug/l	98
95) Naphthalene	15.22	128	108669	24.196	ug/l	99
96) 1,2,3-Trichlorobenzene	15.41	180	34242	23.243	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBSD01

Tot Ion:168 Resp: 136854

Ion Ratio Lower Upper

168 100

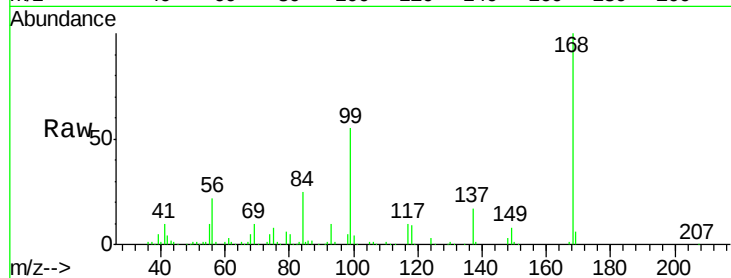
99 54.7 44.2 66.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.79

60000

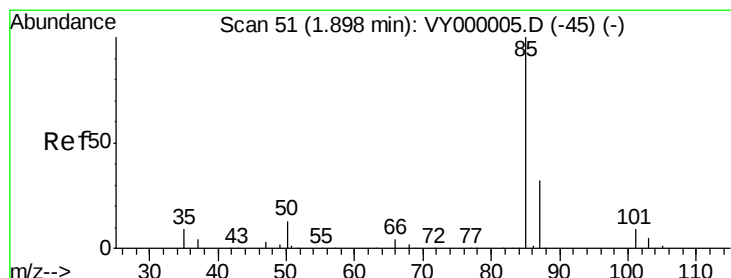
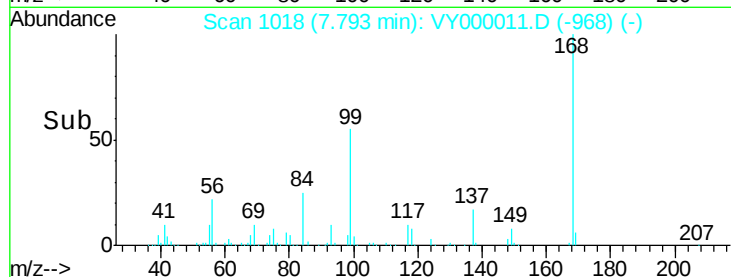
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 22.013 ug/l

RT: 1.90 min Scan# 51

Delta R.T. 0.00 min

Lab File: VY000011.D

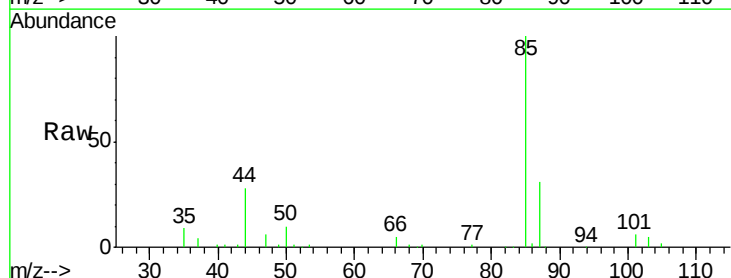
Acq: 11 Sep 2019 20:21

Tgt Ion: 85 Resp: 22101

Ion Ratio Lower Upper

85 100

87 30.7 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.90

15000

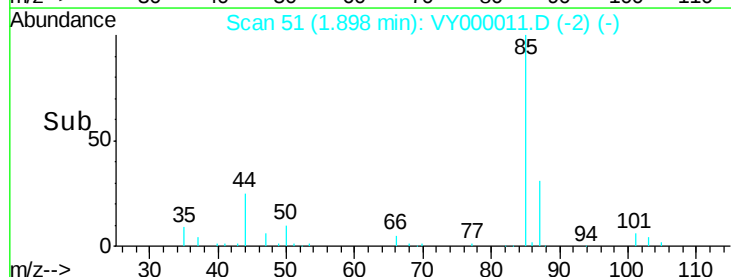
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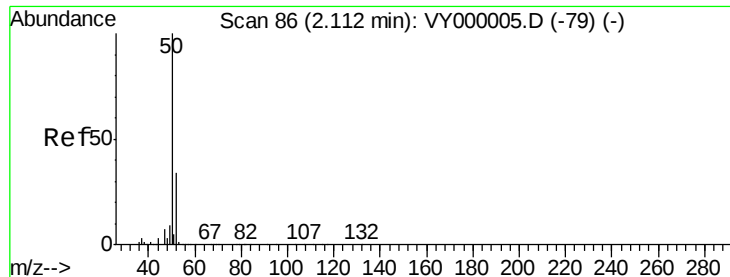
5000

0

1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.123 ug/l

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBSD01

Tot Ion: 50 Resp: 30410

Ion Ratio Lower Upper

50 100

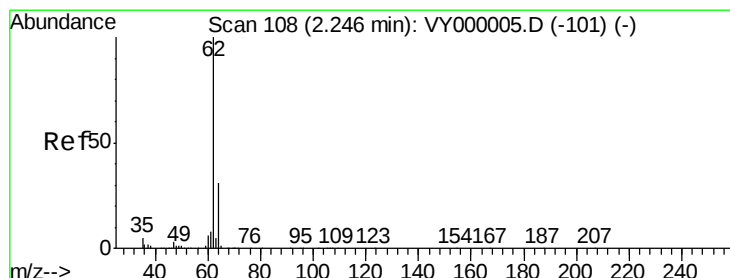
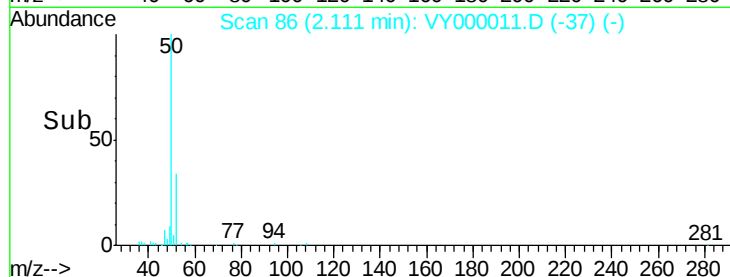
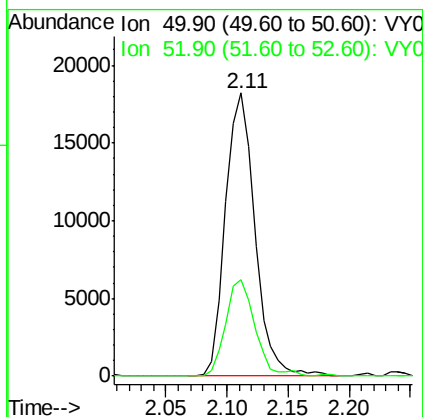
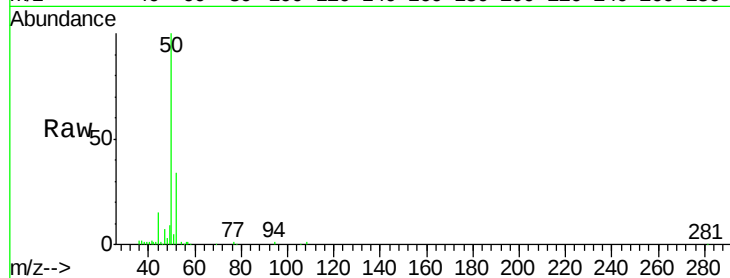
52 34.2 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.699 ug/l

RT: 2.24 min Scan# 107

Delta R.T. -0.01 min

Lab File: VY000011.D

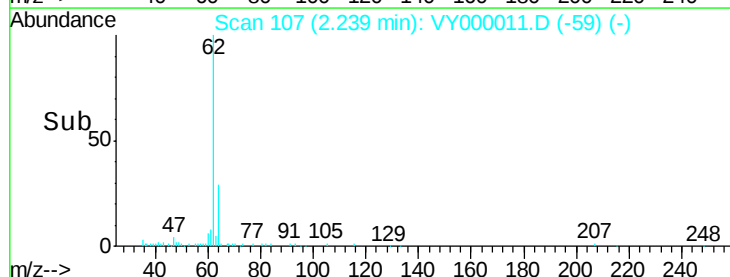
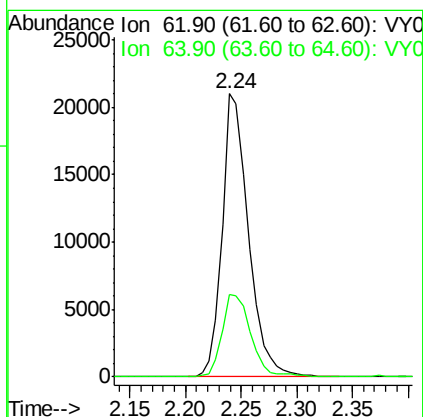
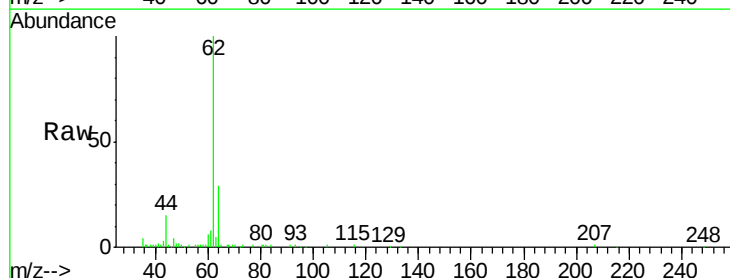
Acq: 11 Sep 2019 20:21

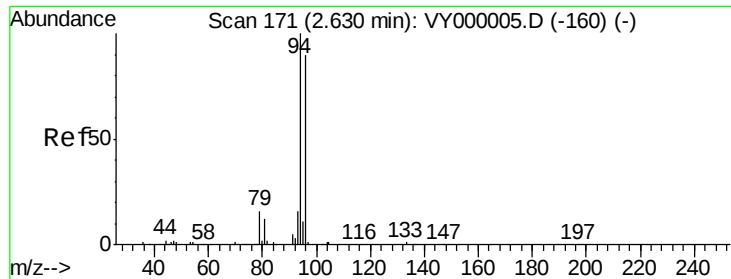
Tgt Ion: 62 Resp: 34419

Ion Ratio Lower Upper

62 100

64 28.9 24.6 37.0





#5

Bromomethane

Concen: 23.666 ug/l

RT: 2.62 min Scan# 169

Delta R.T. -0.01 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBSD01

Tot Ion: 94 Resp: 21902

Ion Ratio Lower Upper

94 100

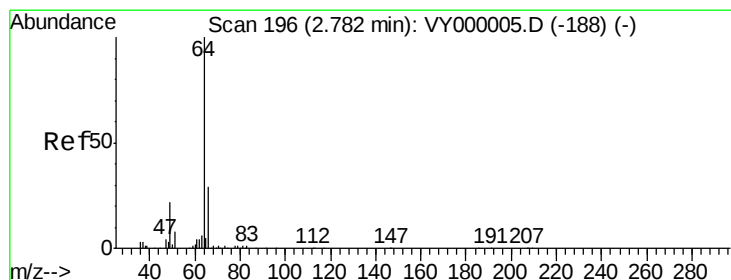
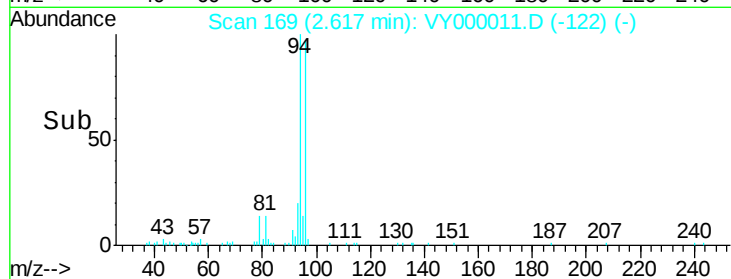
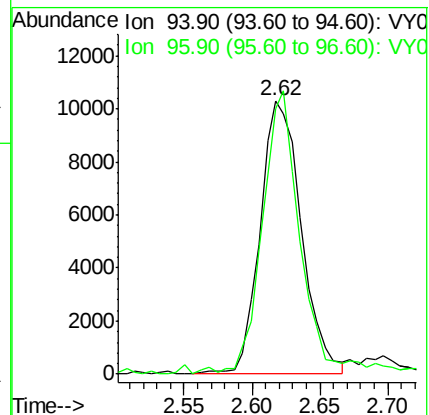
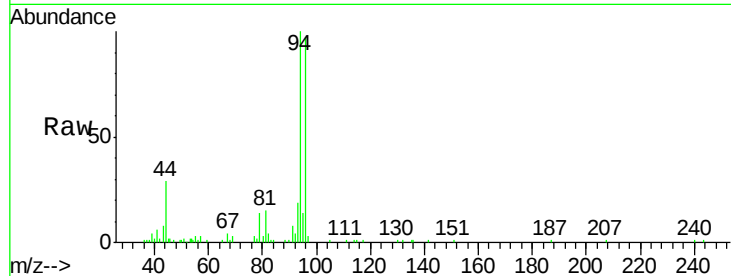
96 97.1 71.6 107.4

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#6

Chloroethane

Concen: 20.622 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VY000011.D

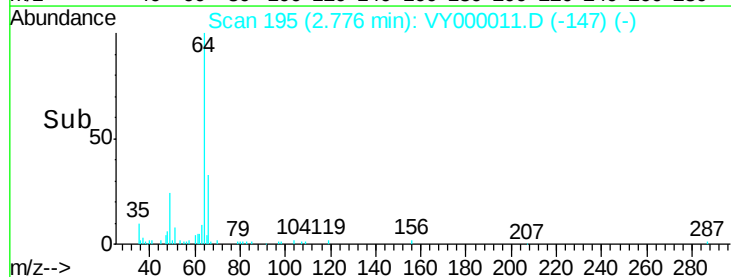
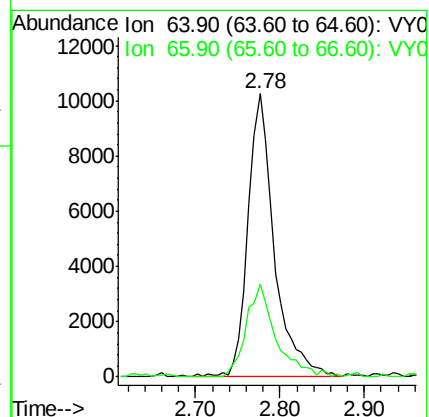
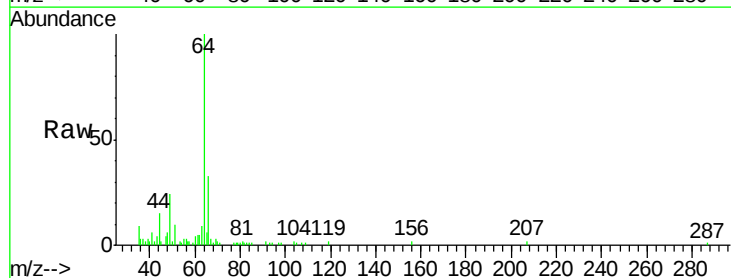
Acq: 11 Sep 2019 20:21

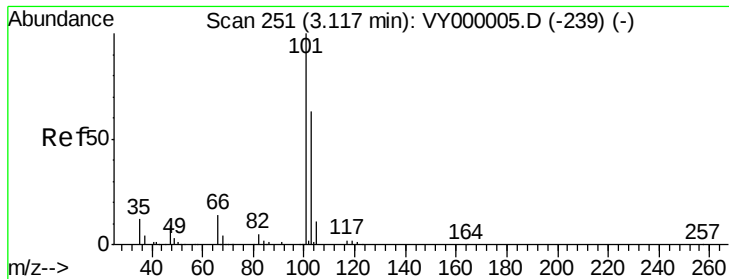
Tgt Ion: 64 Resp: 21567

Ion Ratio Lower Upper

64 100

66 32.8 23.5 35.3





#7

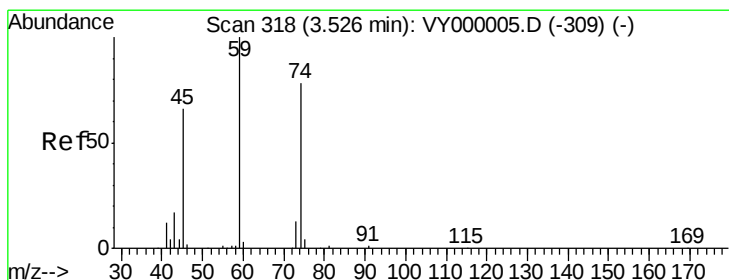
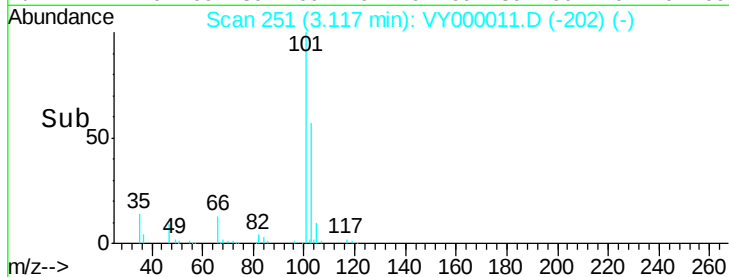
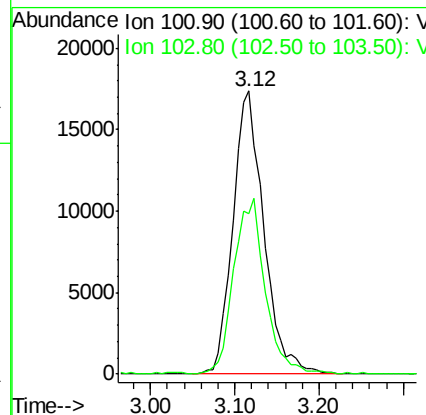
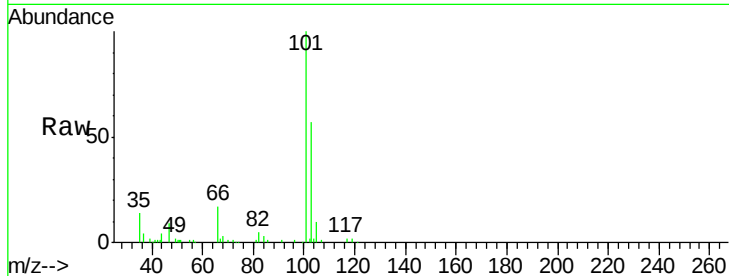
Trichlorofluoromethane
Concen: 22.116 ug/l
RT: 3.12 min Scan# 251
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Instrument :
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ClientSampleId :
VY0911SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	56.8	50.0	75.0

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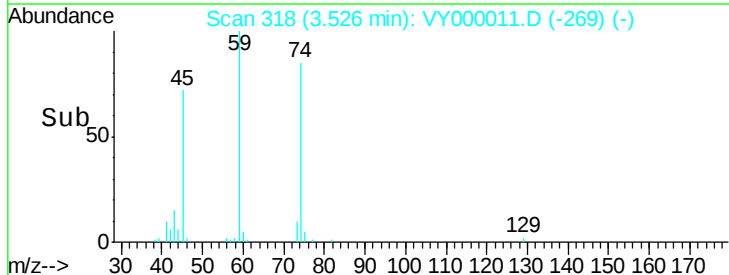
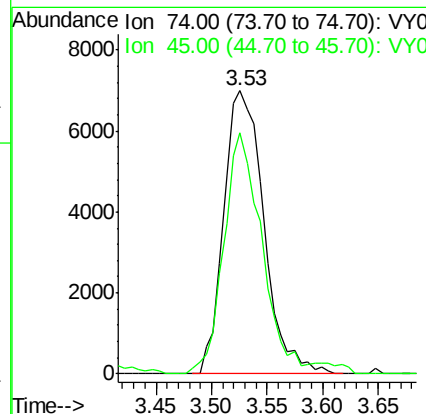
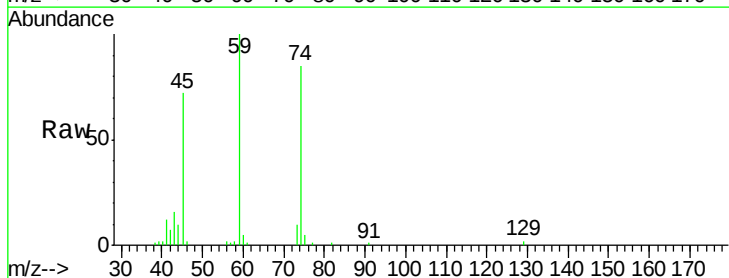
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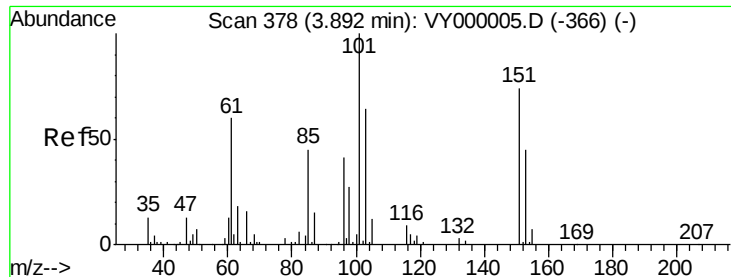


#8

Diethyl Ether
Concen: 22.748 ug/l
RT: 3.53 min Scan# 318
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	80.6	40.5	121.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.081 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

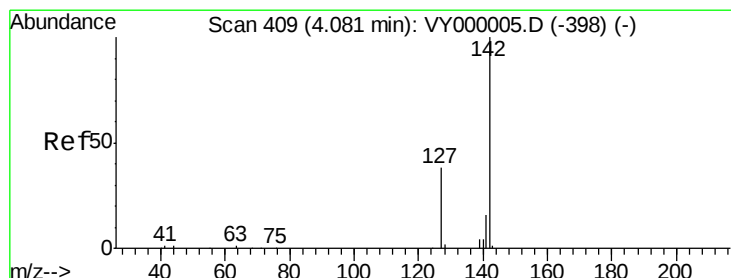
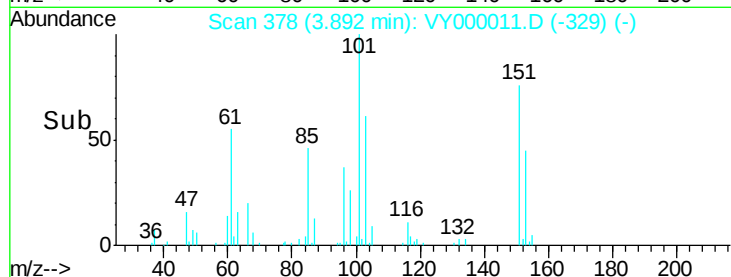
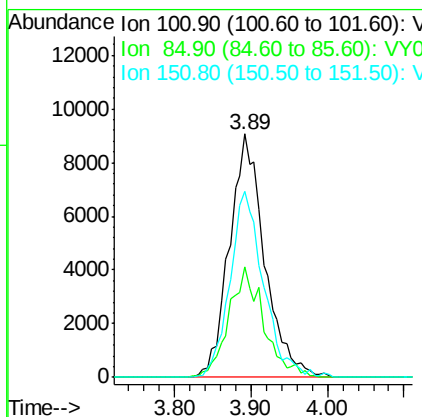
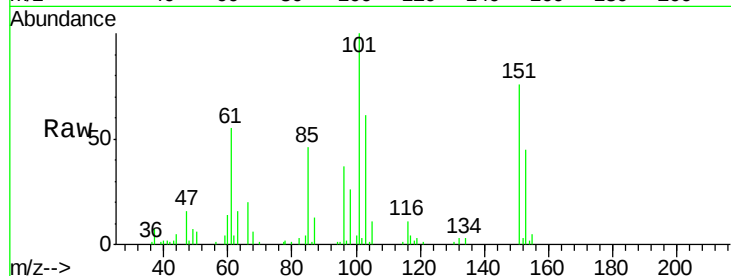
ClientSampleId :

VY0911SBS01

Tot Ion:	101	Resp:	28877
Ion Ratio	Lower	Upper	
101	100		
85	44.7	34.0	51.0
151	73.1	57.3	85.9

Manual Integrations
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#10

Methyl Iodide

Concen: 19.797 ug/l

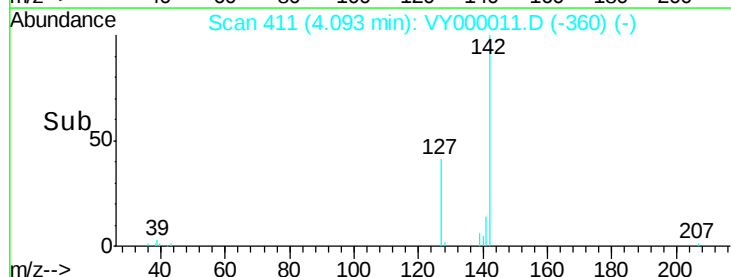
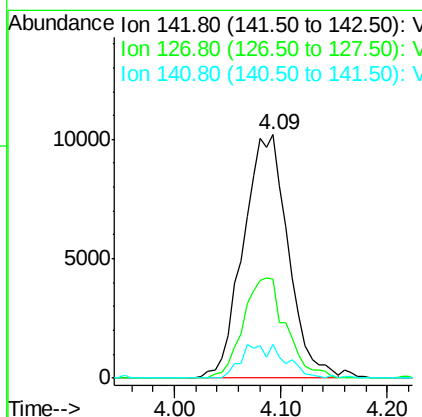
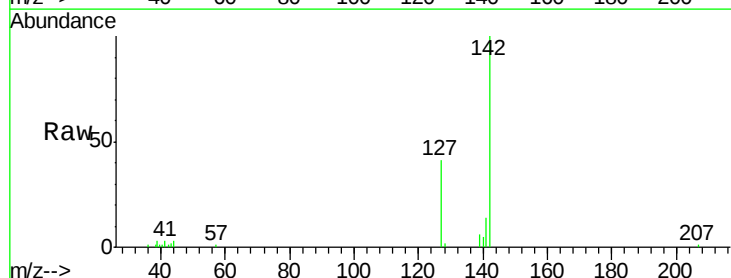
RT: 4.09 min Scan# 411

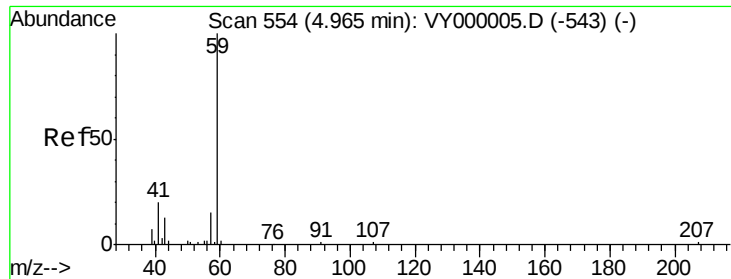
Delta R.T. 0.01 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Tgt Ion:	142	Resp:	30127
Ion Ratio	Lower	Upper	
142	100		
127	39.0	30.0	45.0
141	13.2	11.0	16.4





#11

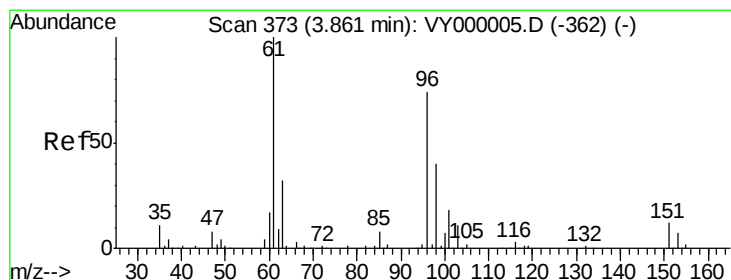
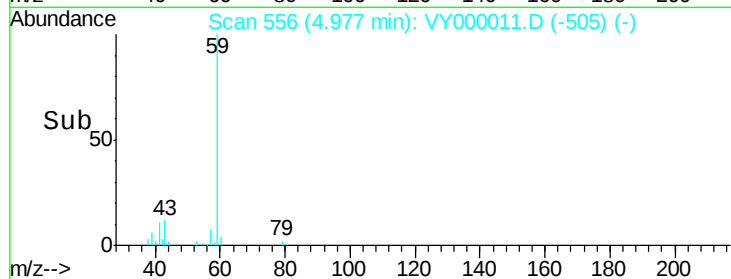
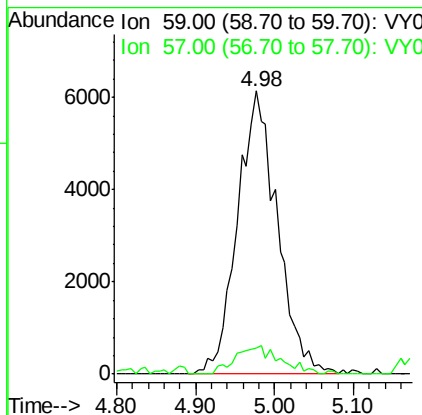
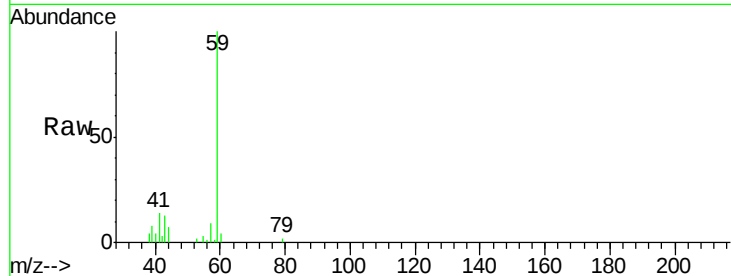
Tert butyl alcohol
Concen: 129.101 ug/l
RT: 4.98 min Scan# 556
Delta R.T. 0.01 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	21541		
57	57	11.2		8.9	13.3

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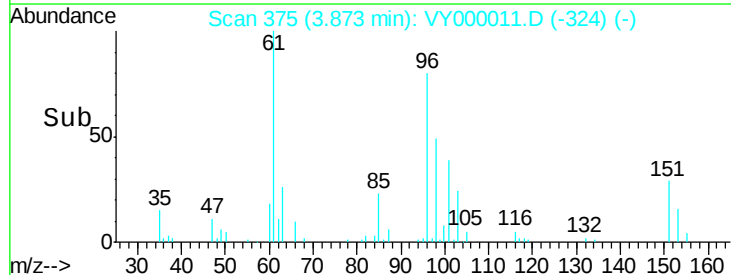
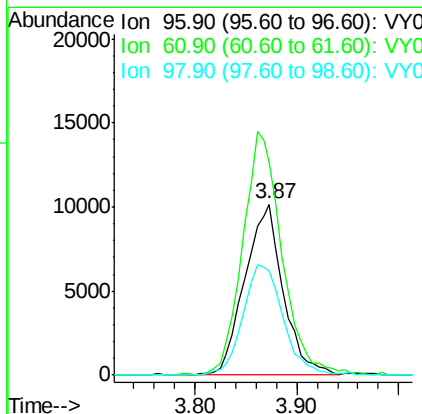
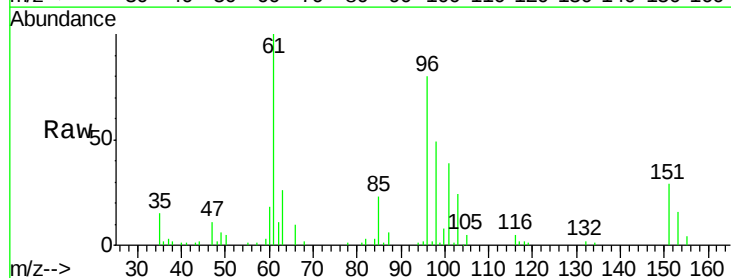
MMDadoda
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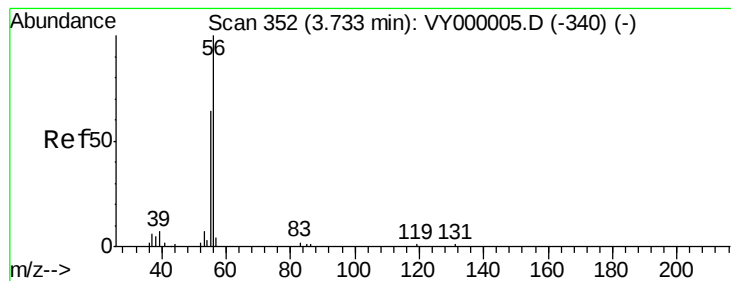


#12

1,1-Dichloroethene
Concen: 20.944 ug/l
RT: 3.87 min Scan# 375
Delta R.T. 0.01 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	26510		
61	61	123.7		108.1	162.1
98	98	61.2		42.8	64.2





#13

Acrolein

Concen: 148.207 ug/l

RT: 3.73 min Scan# 351

Delta R.T. -0.01 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBS01

Tot Ion: 56 Resp: 18154

Ion Ratio Lower Upper

56 100

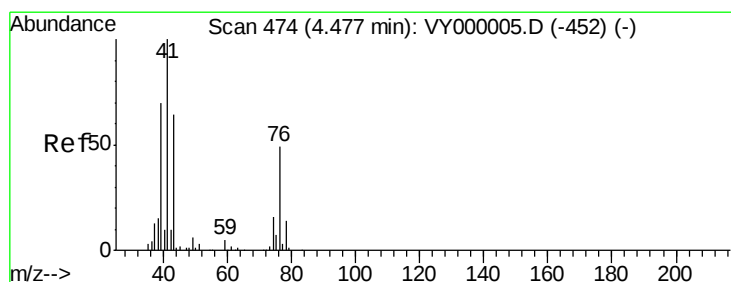
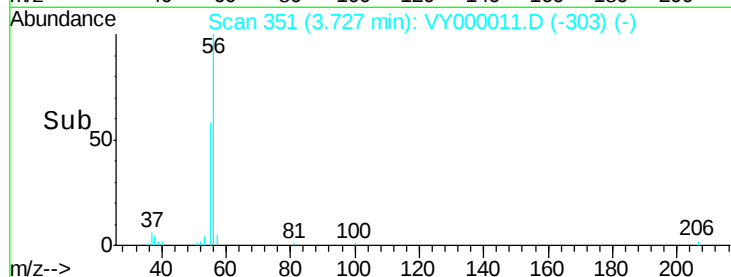
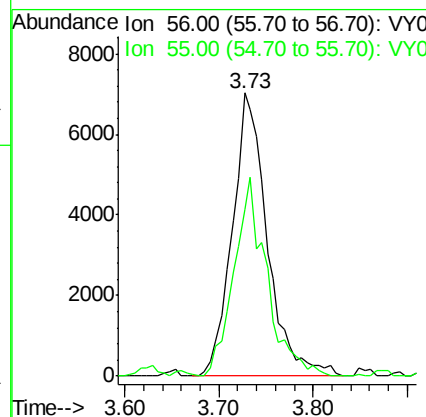
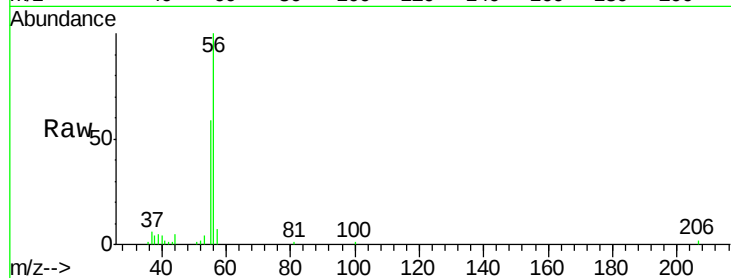
55 65.9 53.3 79.9

Manual Integrations

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#14

Allyl chloride

Concen: 21.332 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

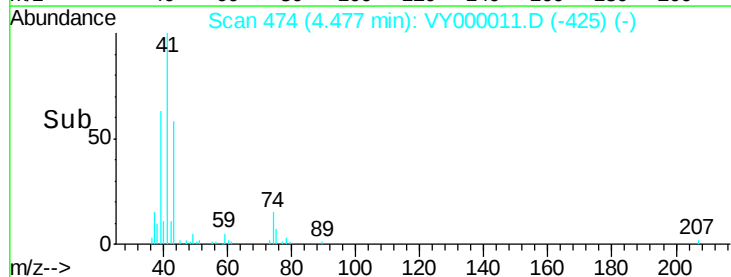
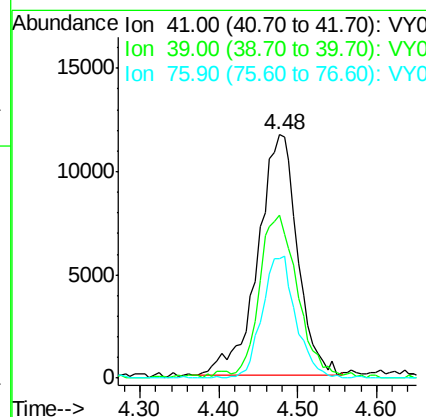
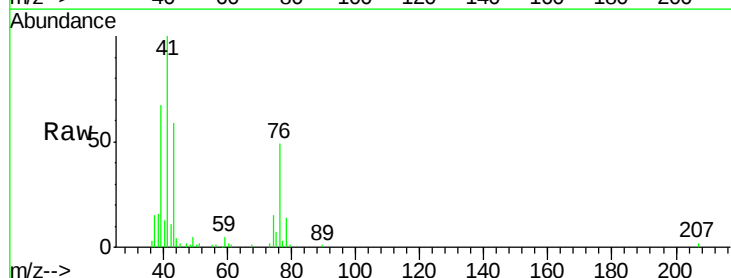
Tgt Ion: 41 Resp: 41077

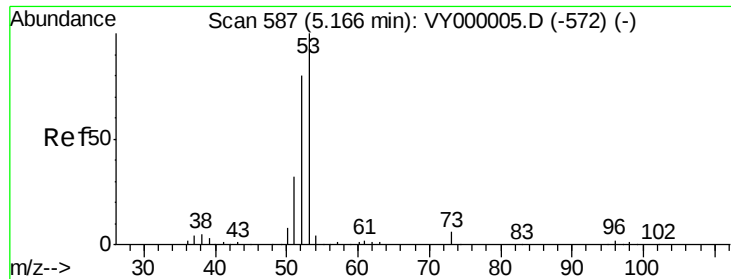
Ion Ratio Lower Upper

41 100

39 62.4 52.4 78.6

76 42.4 33.3 49.9





#15

Acrylonitrile

Concen: 113.580 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

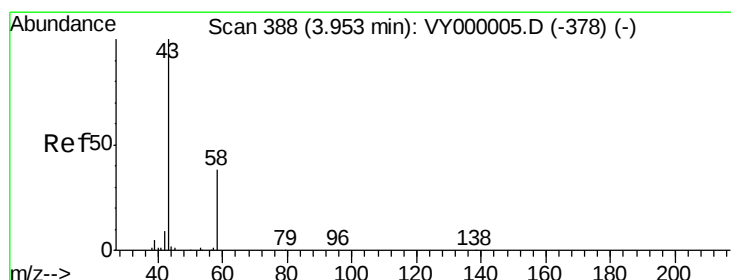
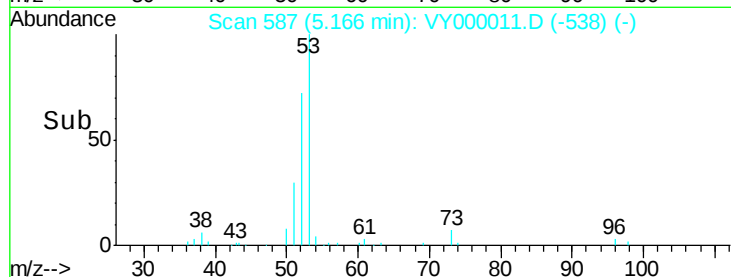
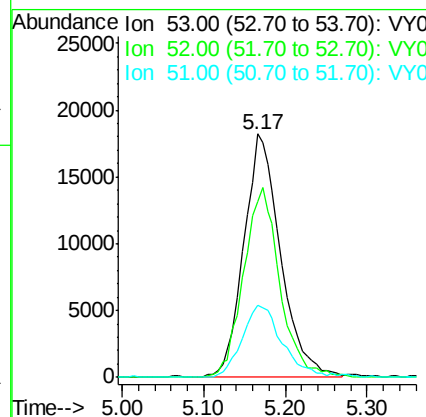
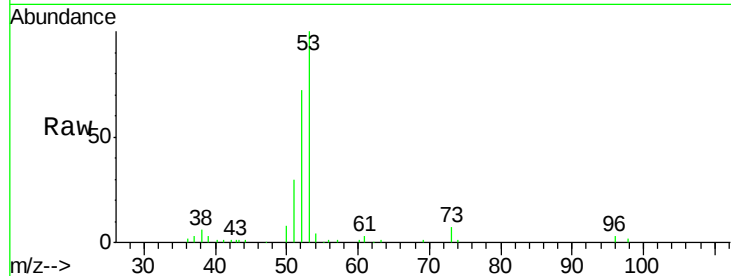
ClientSampleId :

VY0911SBSD01

Tot Ion:	53	Resp:	57096
Ion	Ratio	Lower	Upper
53	100		
52	76.9	64.4	96.6
51	32.6	27.1	40.7

Manual Integrations
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#16

Acetone

Concen: 98.847 ug/l

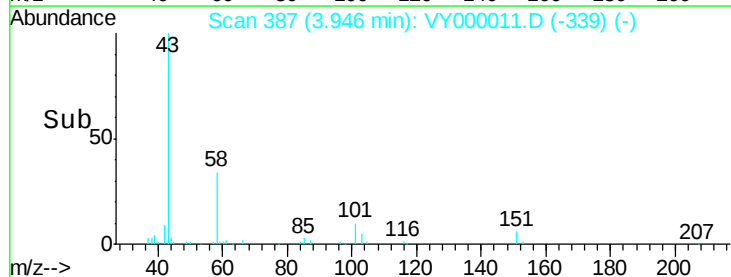
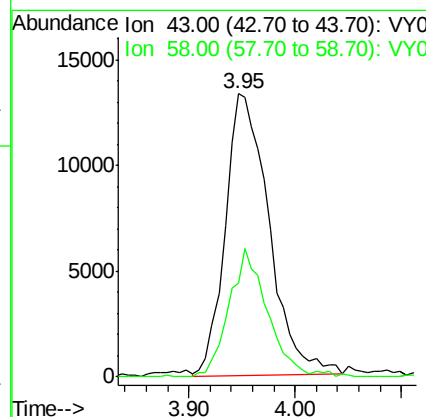
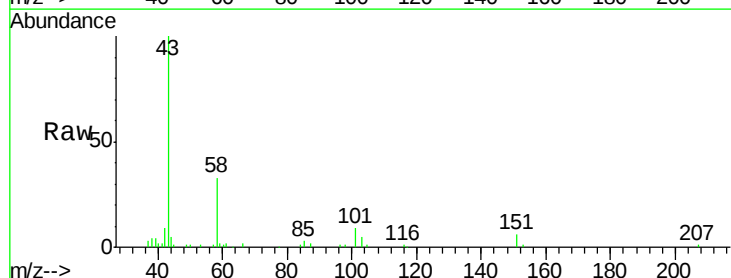
RT: 3.95 min Scan# 387

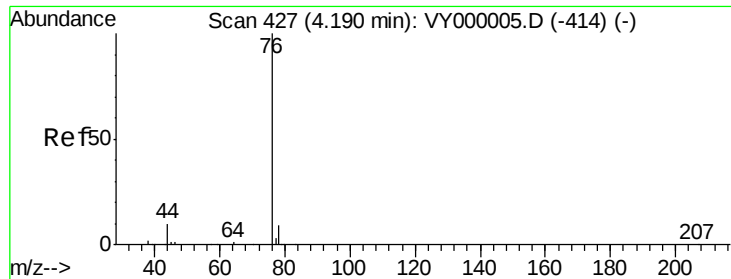
Delta R.T. -0.01 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Tgt Ion:	43	Resp:	38262
Ion	Ratio	Lower	Upper
43	100		
58	33.6	30.5	45.7





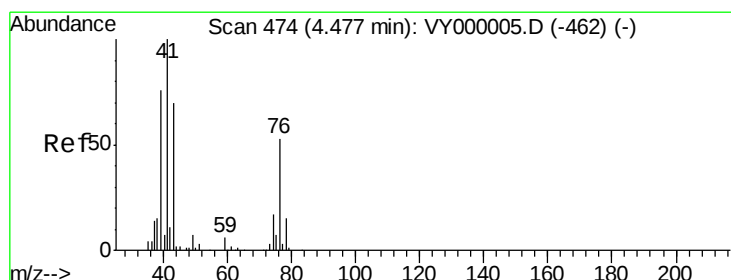
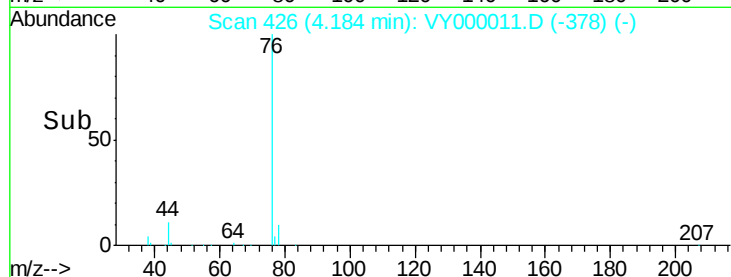
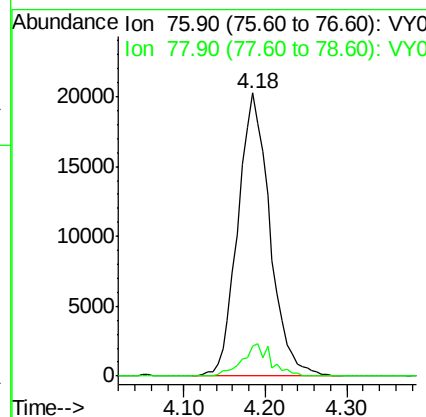
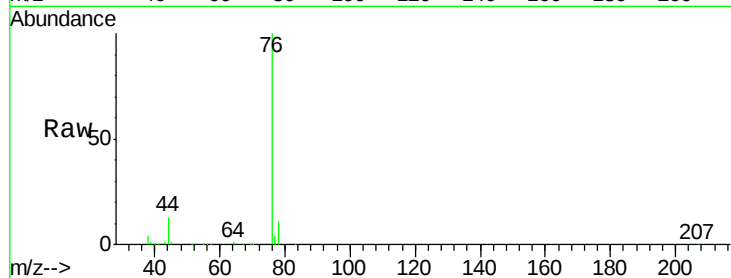
#17
Carbon Disulfide
Concen: 21.291 ug/l
RT: 4.18 min Scan# 426
Delta R.T. -0.01 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.6	7.2	10.8

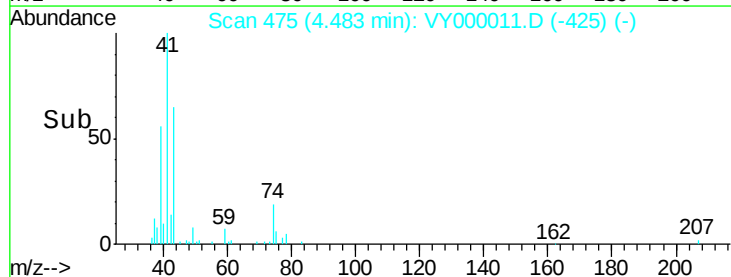
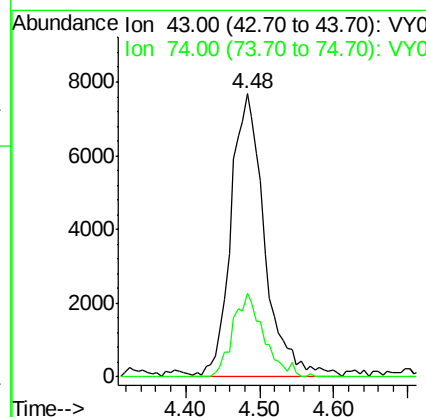
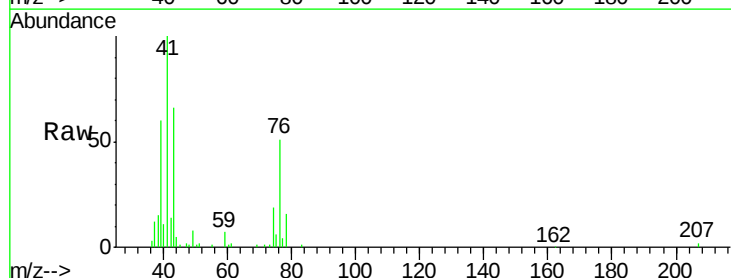
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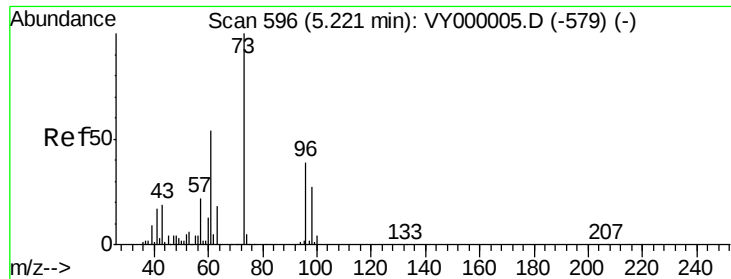
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#18
Methyl Acetate
Concen: 20.884 ug/l
RT: 4.48 min Scan# 475
Delta R.T. 0.01 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.9	21.4	32.2





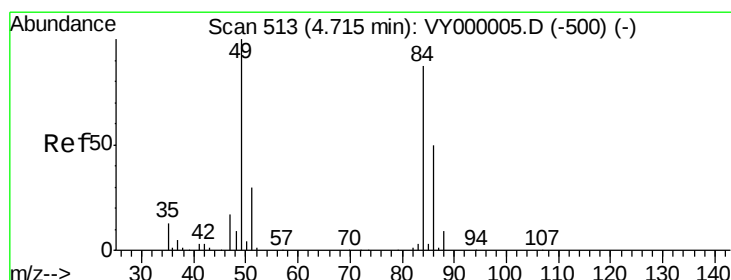
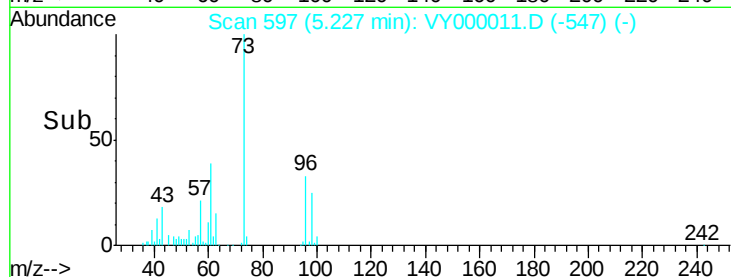
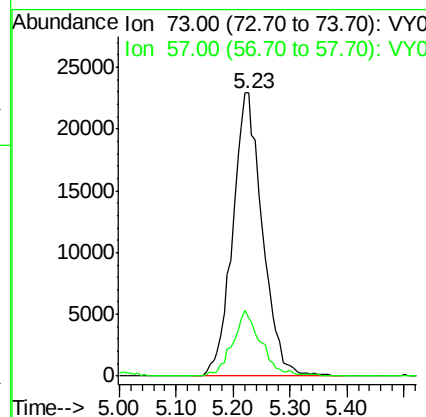
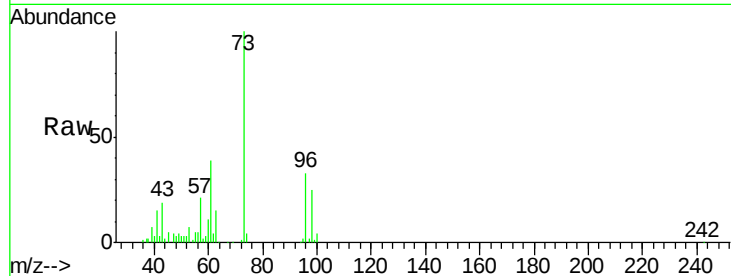
#19
Methvl tert-butvl Ether
Concen: 23.408 ug/l
RT: 5.23 min Scan# 597
Delta R.T. 0.01 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBSD01

Tot Ion: 73 Resp: 83464
Ion Ratio Lower Upper
73 100
57 20.5 18.2 27.4

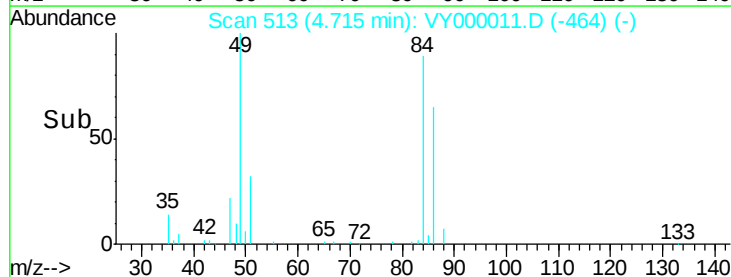
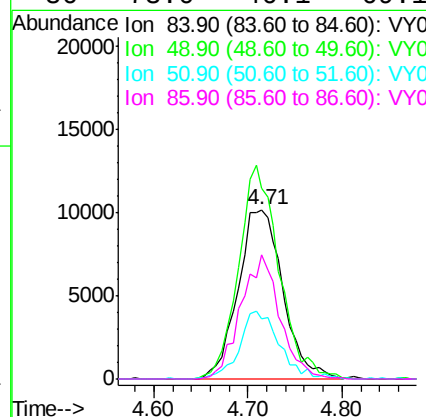
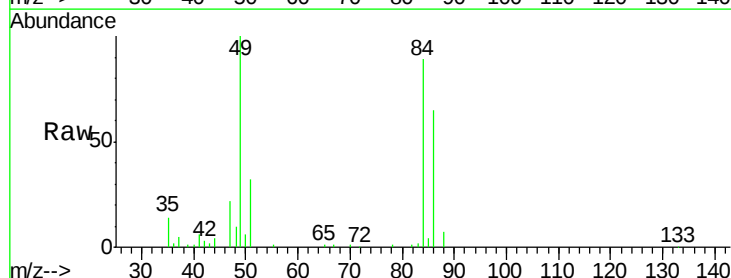
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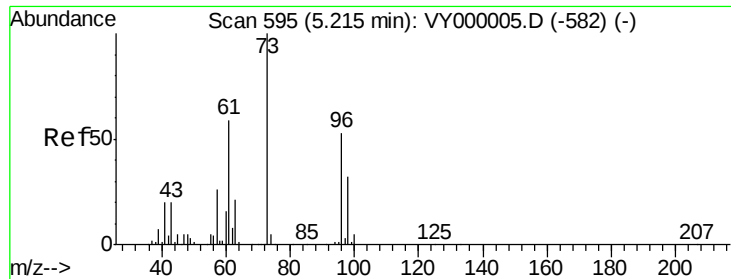
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#20
Methylene Chloride
Concen: 21.588 ug/l
RT: 4.71 min Scan# 513
Delta R.T. 0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion: 84 Resp: 33893
Ion Ratio Lower Upper
84 100
49 112.8 91.7 137.5
51 35.8 28.0 42.0
86 73.0 46.1 69.1#





#21

trans-1,2-Dichloroethene

Concen: 21.172 ug/l

RT: 5.21 min Scan# 594

Delta R.T. -0.01 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

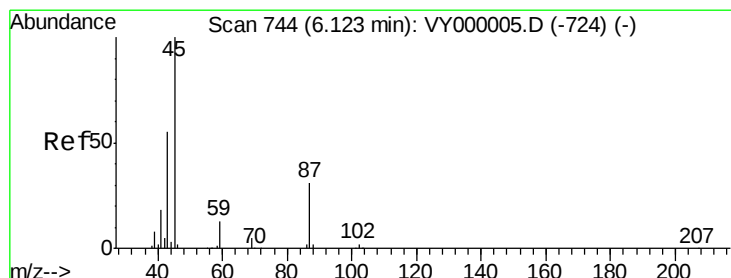
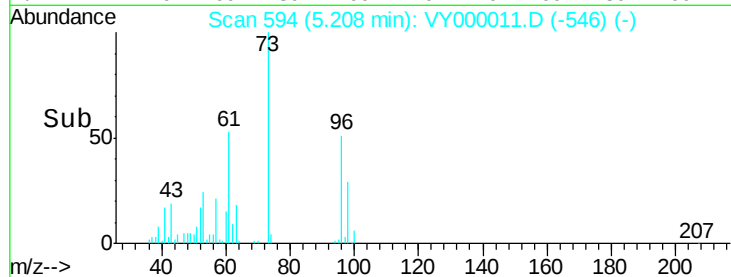
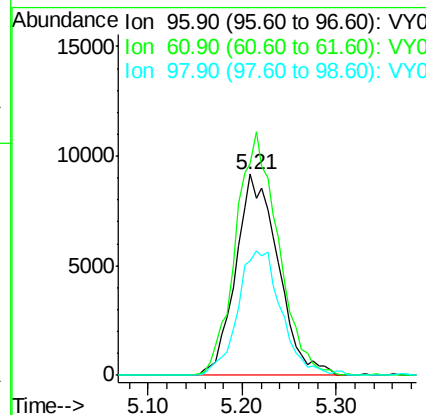
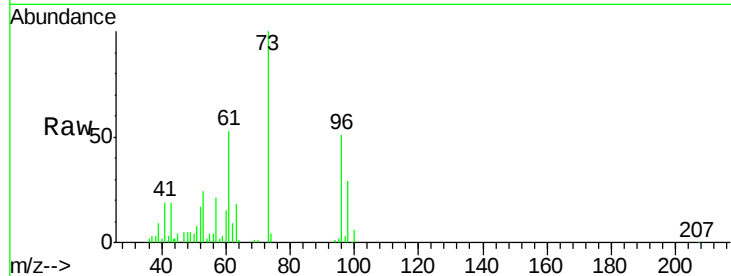
ClientSampleId :

VY0911SBSD01

Tot Ion:	96	Resp:	28876
Ion	Ratio	Lower	Upper
96	100		
61	105.2	89.4	134.2
98	57.1	48.6	73.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.522 ug/l

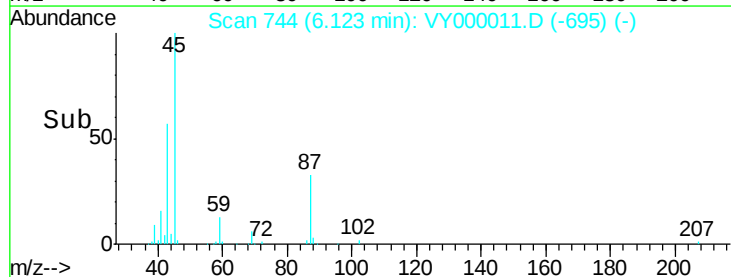
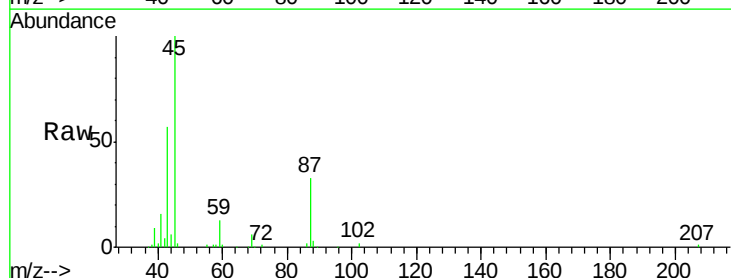
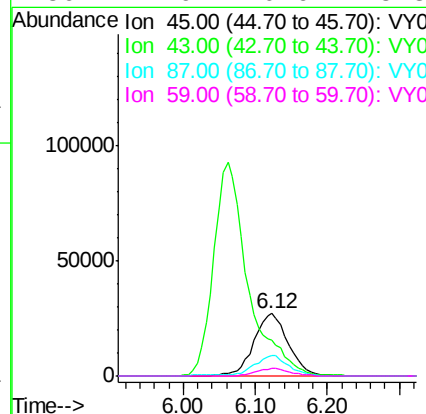
RT: 6.12 min Scan# 744

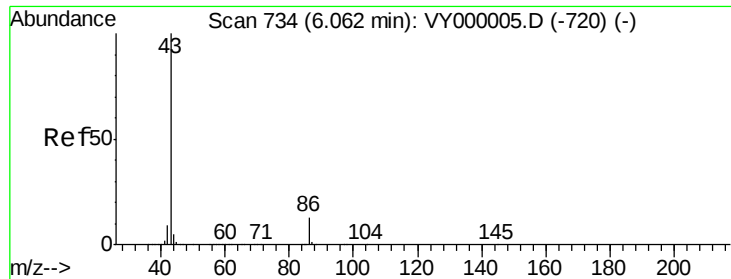
Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Tgt Ion:	45	Resp:	90099
Ion	Ratio	Lower	Upper
45	100		
43	55.9	45.2	67.8
87	32.6	25.3	37.9
59	12.9	10.6	15.8





#23

Vinyl Acetate

Concen: 108.631 ug/l

RT: 6.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBSD01

Tot Ion: 43 Resp: 308295

Ion Ratio Lower Upper

43 100

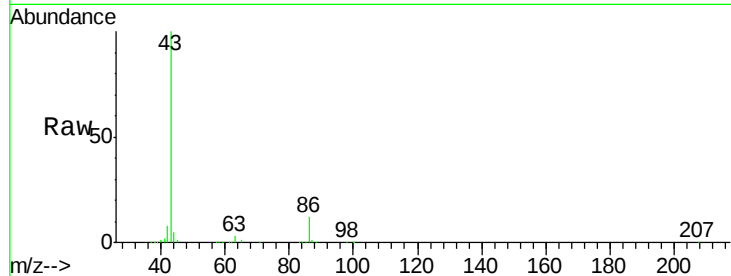
86 12.5 10.3 15.5

Manual Integrations

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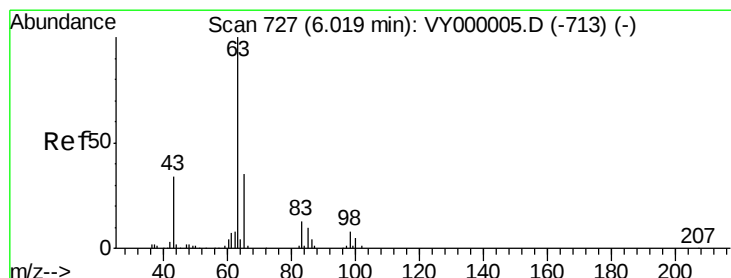
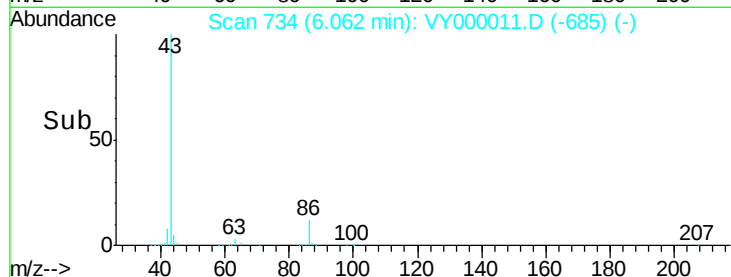
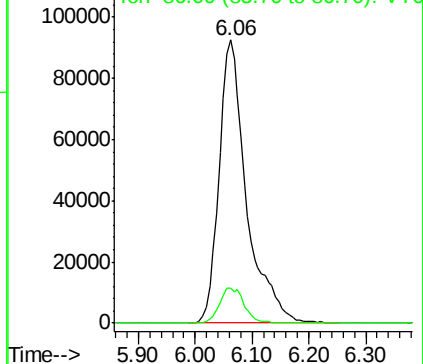
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 22.430 ug/l

RT: 6.02 min Scan# 727

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

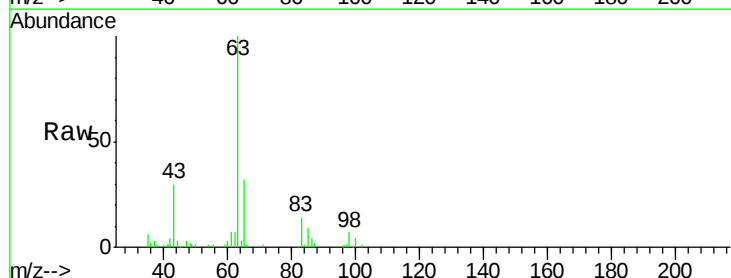
Tgt Ion: 63 Resp: 56244

Ion Ratio Lower Upper

63 100

98 7.1 4.0 12.0

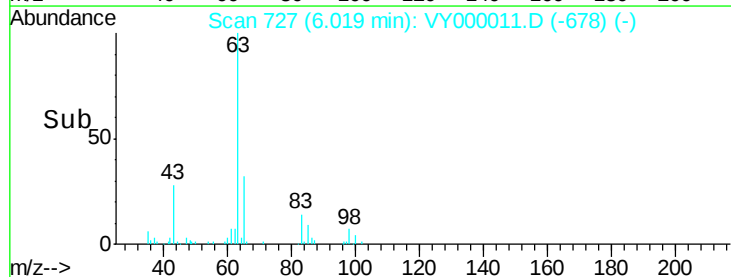
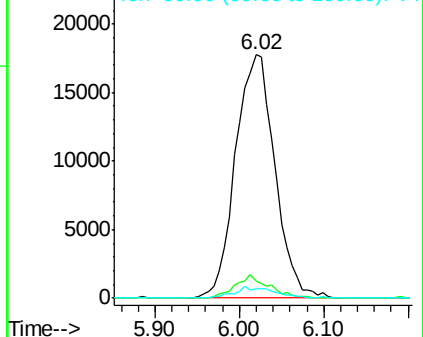
100 3.9 2.5 7.5

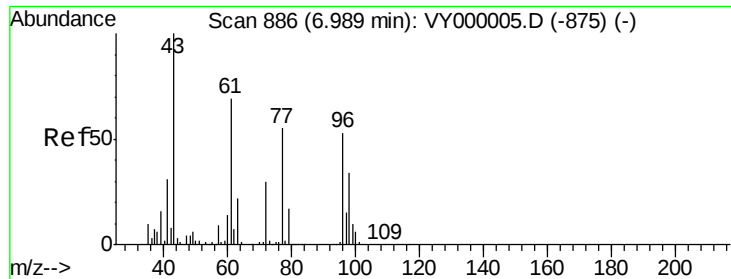


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 109.291 ug/l

RT: 6.99 min Scan# 887

Delta R.T. 0.01 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBSD01

Tot Ion: 43 Resp: 66799

Ion Ratio Lower Upper

43 100

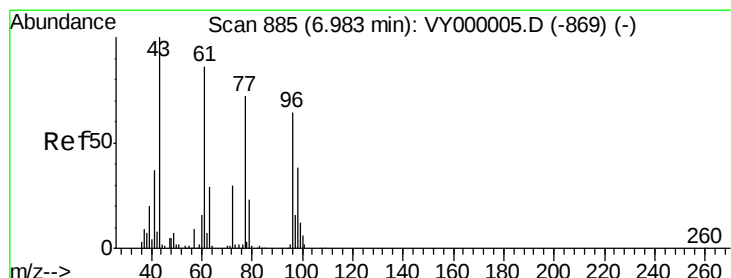
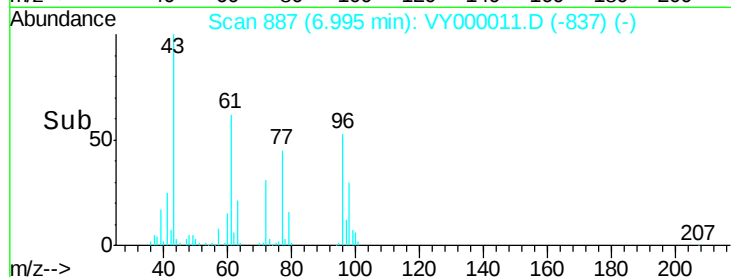
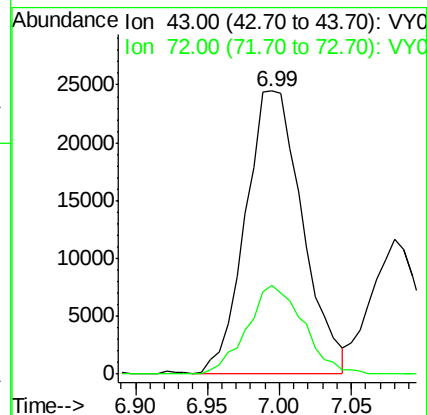
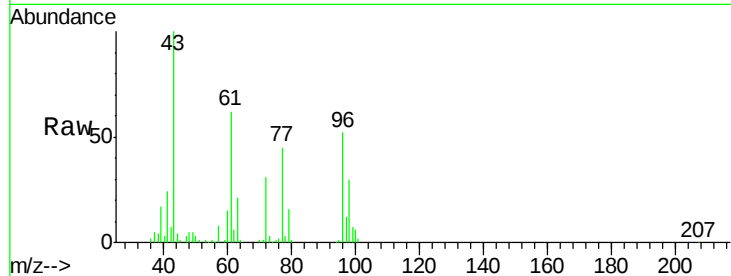
72 31.4 24.2 36.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.680 ug/l

RT: 6.98 min Scan# 885

Delta R.T. -0.00 min

Lab File: VY000011.D

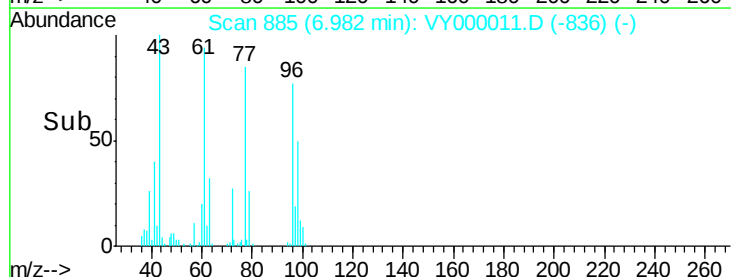
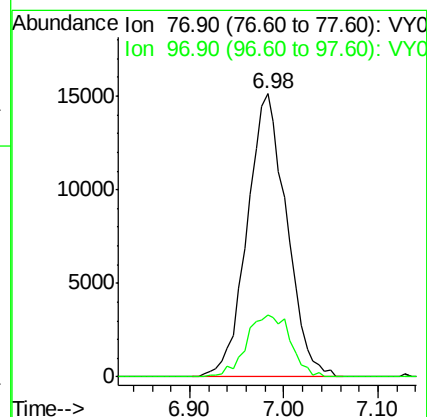
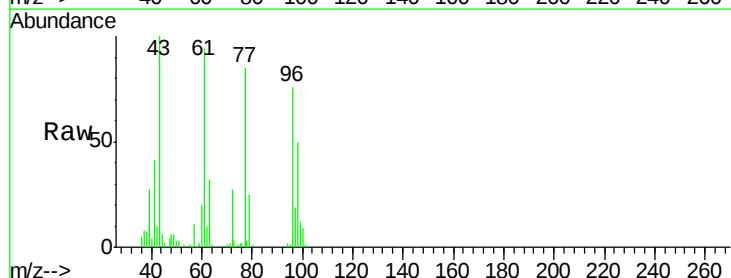
Acq: 11 Sep 2019 20:21

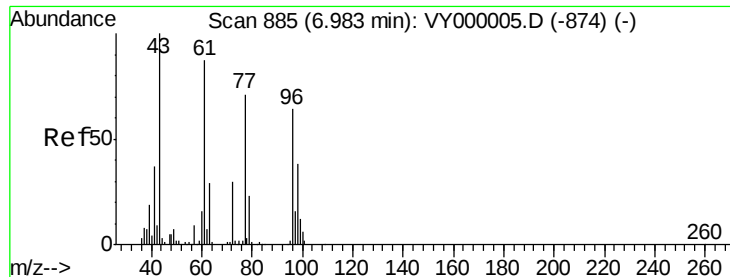
Tgt Ion: 77 Resp: 44340

Ion Ratio Lower Upper

77 100

97 24.3 12.6 37.6





#27

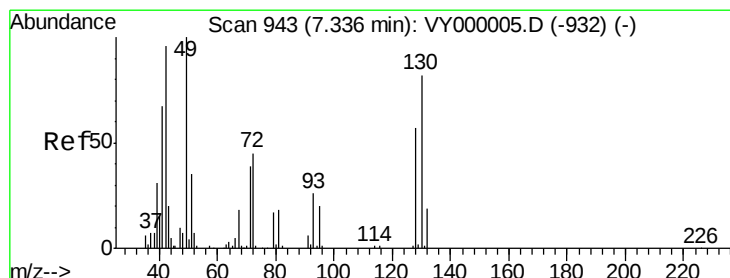
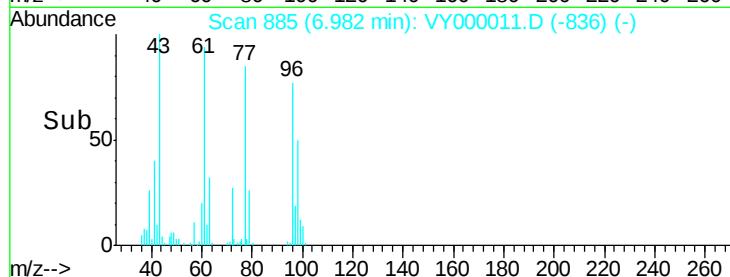
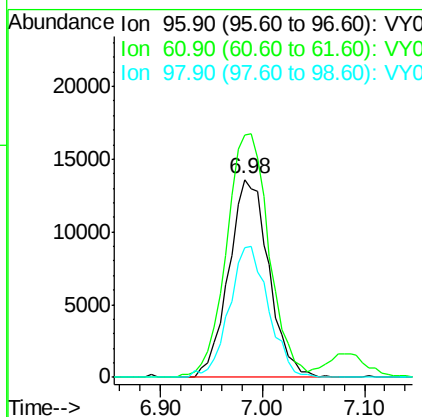
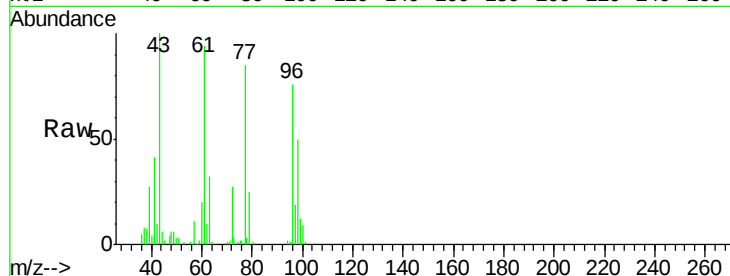
cis-1,2-Dichloroethene
Concen: 21.660 ug/l
RT: 6.98 min Scan# 885
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.7	0.0	259.0
98	64.9	0.0	129.8

Manual Integrations
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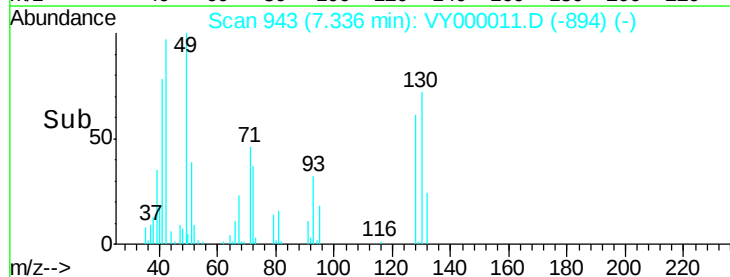
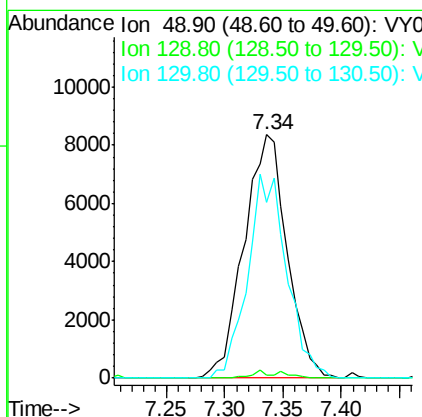
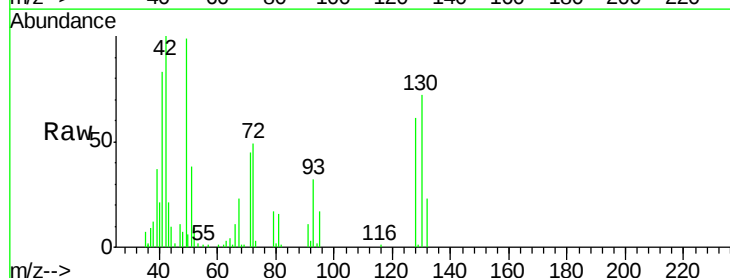
MMDadoda
9/13/2019 11:51:38 PM

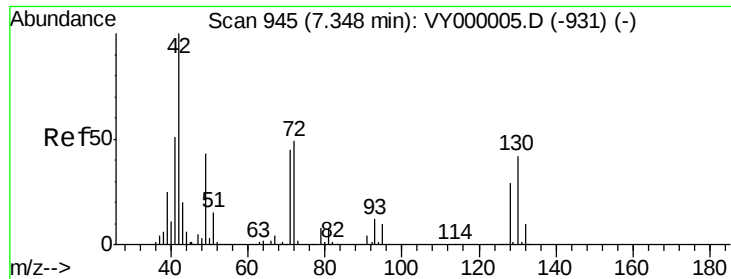


#28

Bromochloromethane
Concen: 18.573 ug/l
RT: 7.34 min Scan# 943
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.6
130	76.0	65.3	97.9





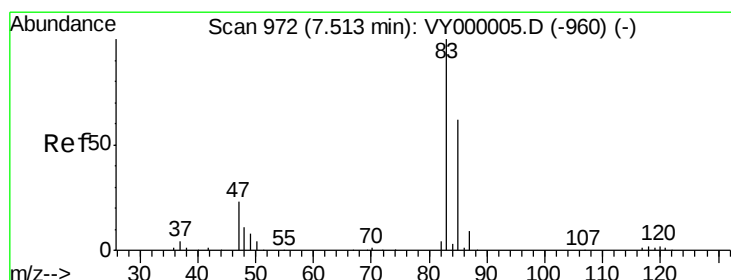
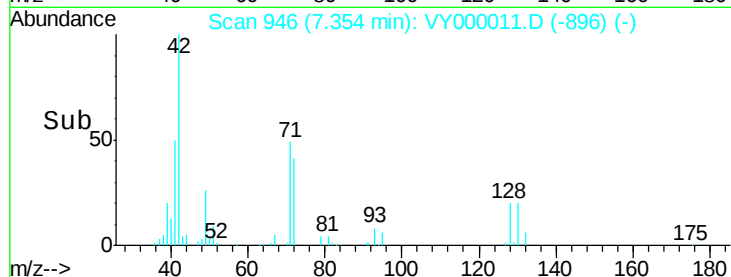
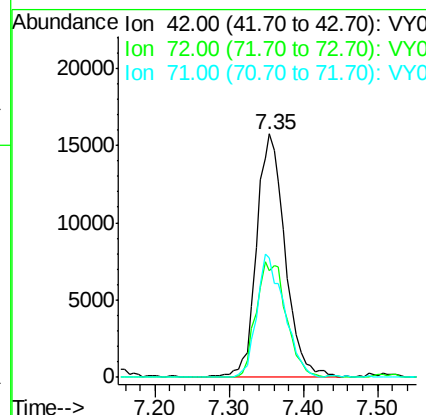
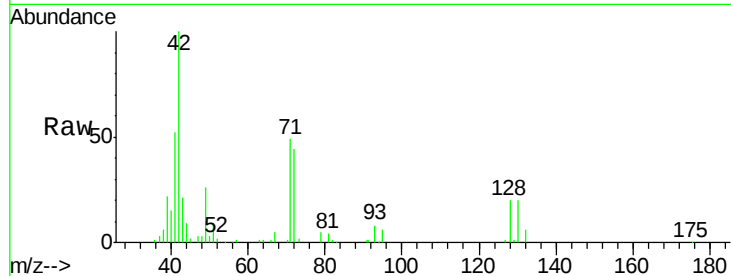
#29
Tetrahydrofuran
Concen: 110.910 ug/l
RT: 7.35 min Scan# 946
Delta R.T. 0.01 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.9	39.2	58.8
71	48.5	36.4	54.6

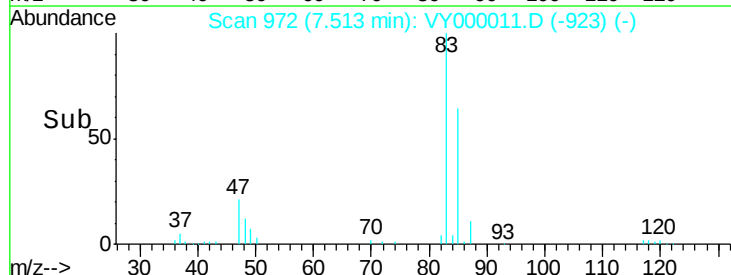
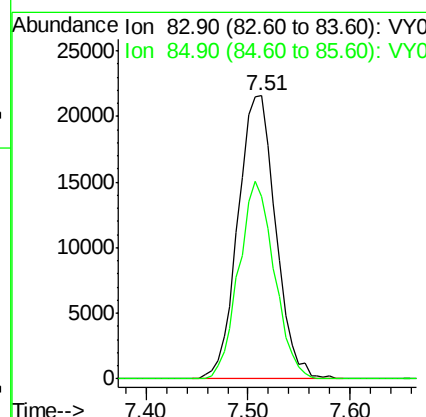
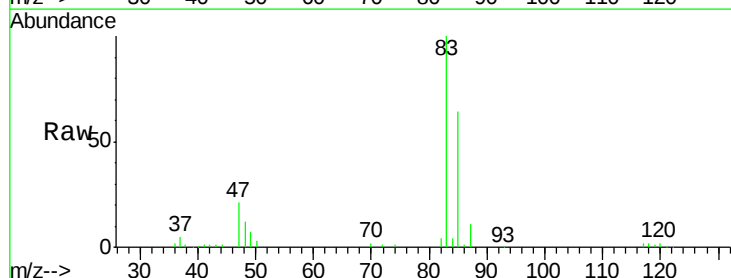
Manual Integrations
APPROVED

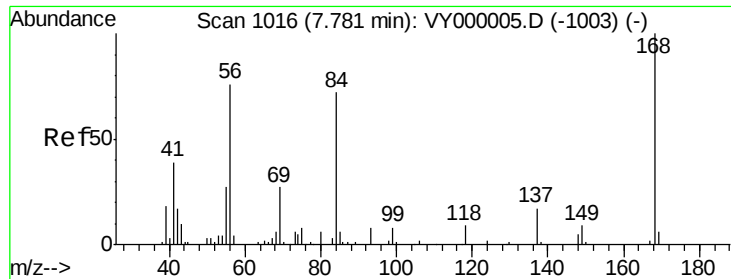
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#30
Chloroform
Concen: 21.854 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	49.4	74.0





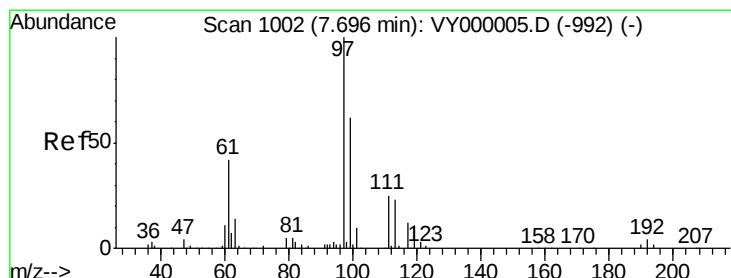
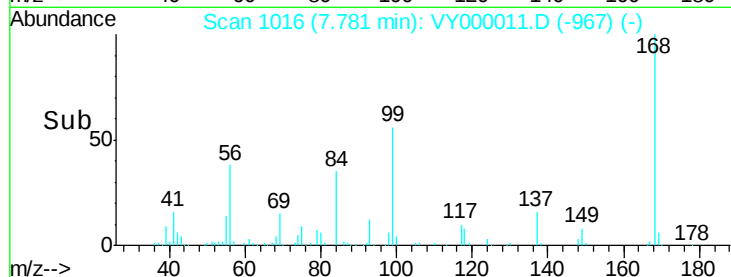
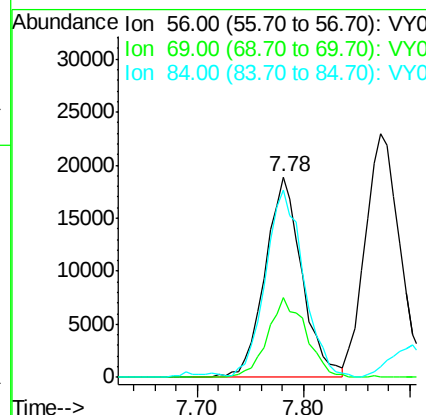
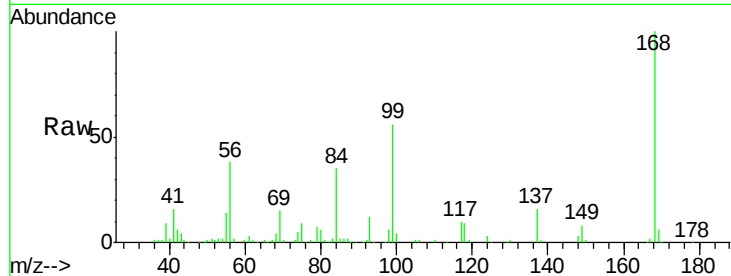
#31
Cyclohexane
Concen: 21.826 ug/l
RT: 7.78 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		45768		
69	39.6	28.5	42.7		
84	92.0	76.4	114.6		

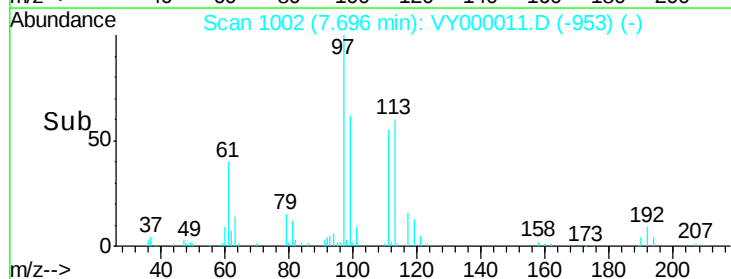
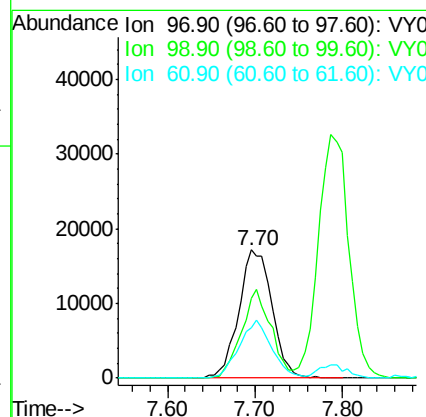
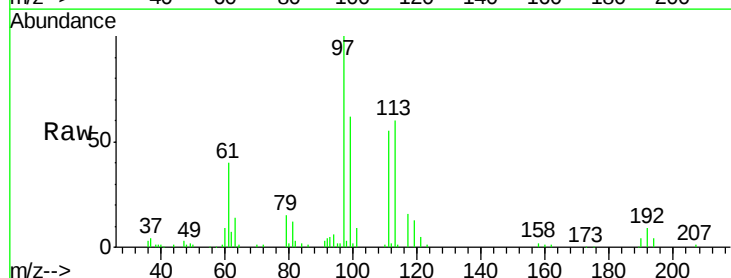
Manual Integrations
APPROVED

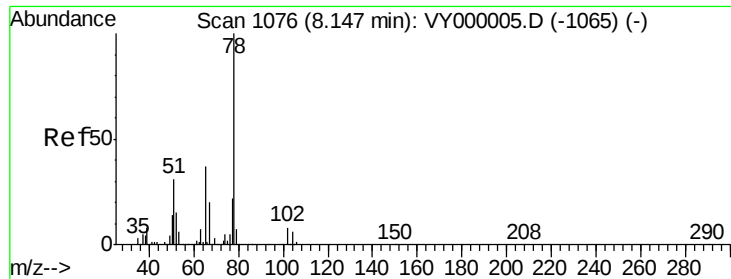
MMDadoda
9/13/2019 11:51:38 PM



#32
1,1,1-Trichloroethane
Concen: 21.624 ug/l
RT: 7.70 min Scan# 1002
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		45303		
99	60.8	50.3	75.5		
61	44.1	35.0	52.4		





#33

1,2-Dichloroethane-d4

Concen: 54.820 ug/l

RT: 8.14 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBS01

Tot Ion: 65 Resp: 76052

Ion Ratio Lower Upper

65 100

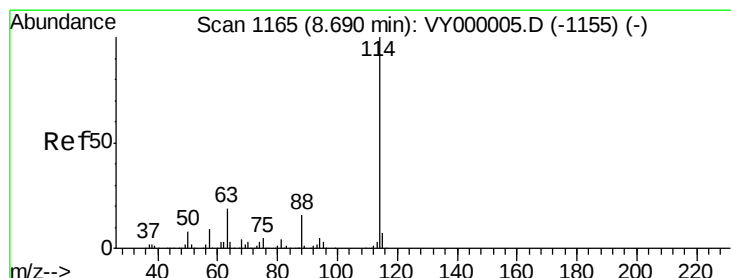
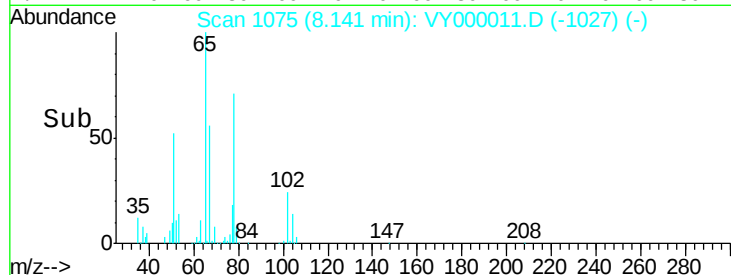
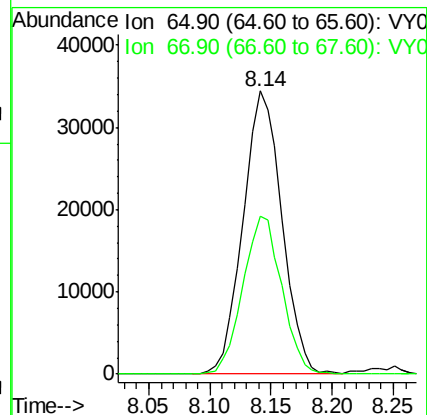
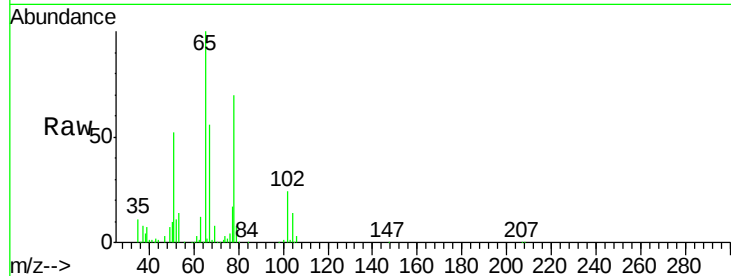
67 55.5 0.0 111.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

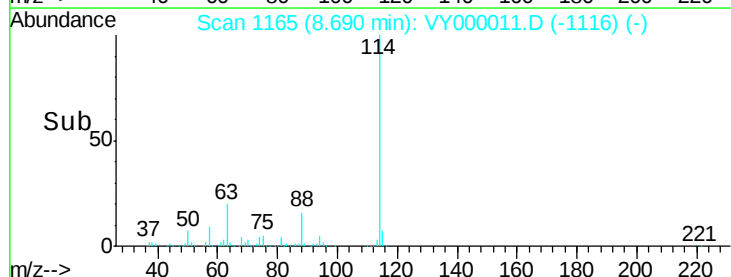
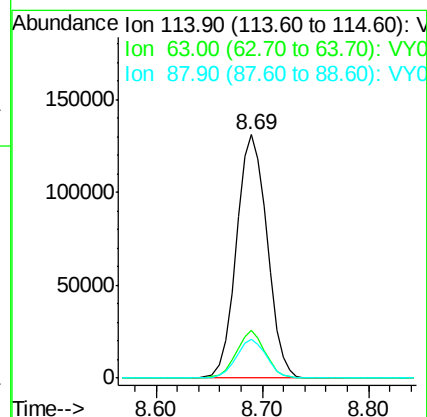
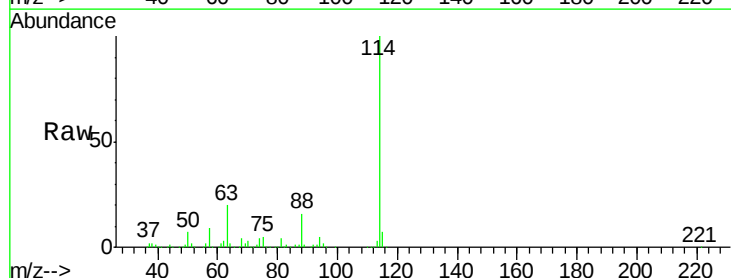
Tgt Ion: 114 Resp: 265251

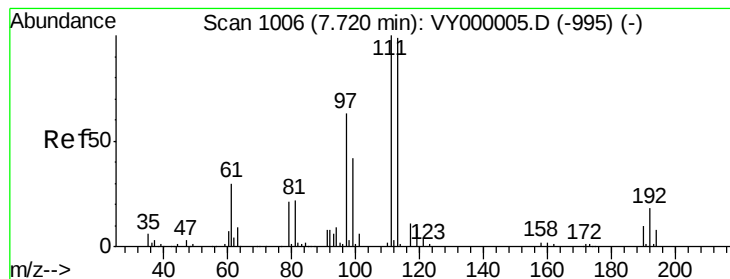
Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.4

88 15.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.996 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBS01

Tot Ion:113 Resp: 74133

Ion Ratio Lower Upper

113 100

111 102.6 81.6 122.4

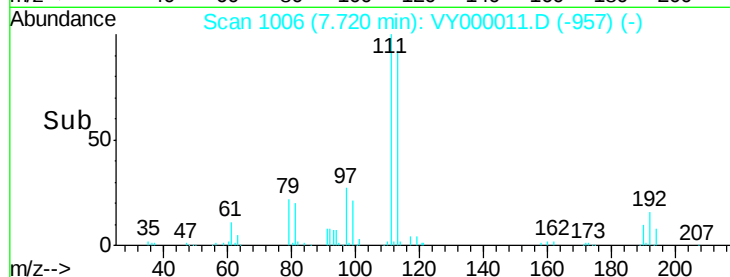
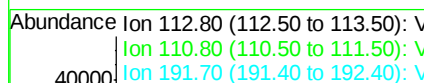
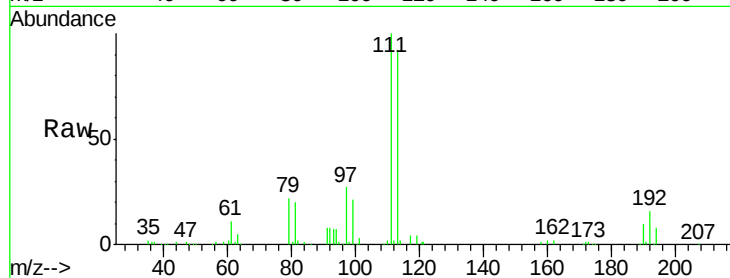
192 17.8 15.2 22.8

Manual Integrations

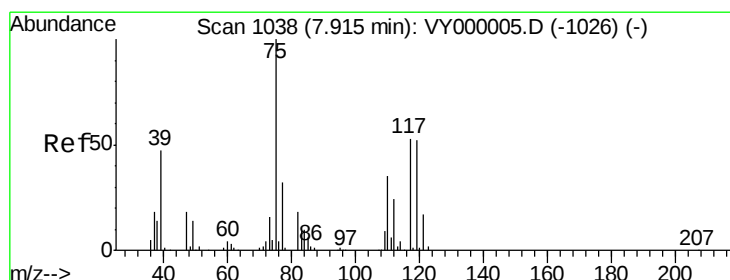
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Time-->



#36

1,1-Dichloropropene

Concen: 20.214 ug/l

RT: 7.92 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

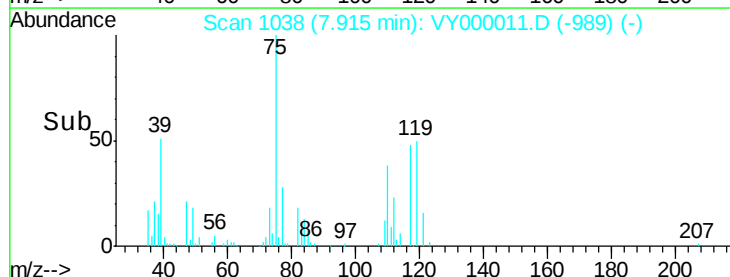
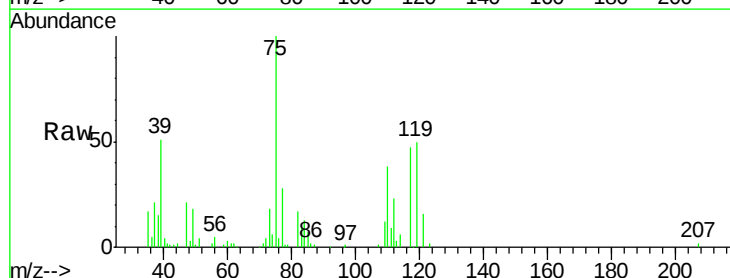
Tgt Ion: 75 Resp: 38758

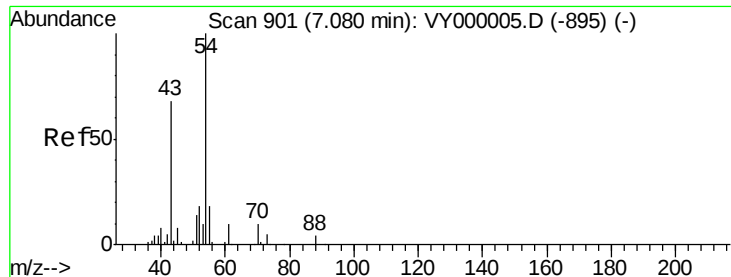
Ion Ratio Lower Upper

75 100

110 36.2 18.7 56.1

77 31.7 25.6 38.4





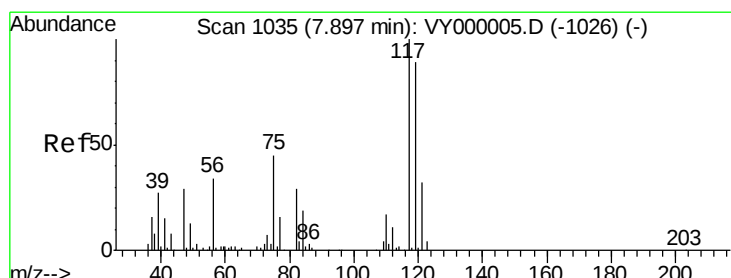
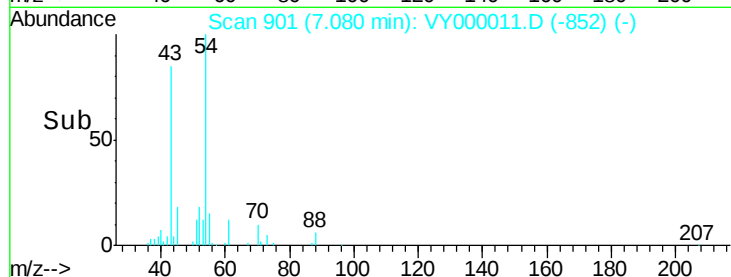
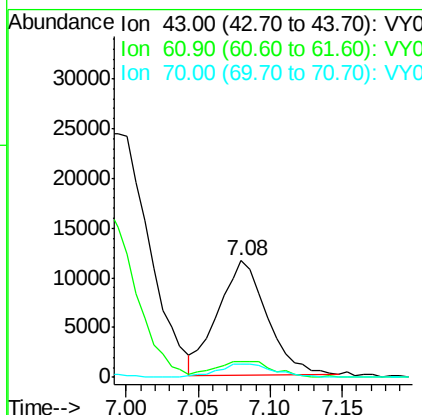
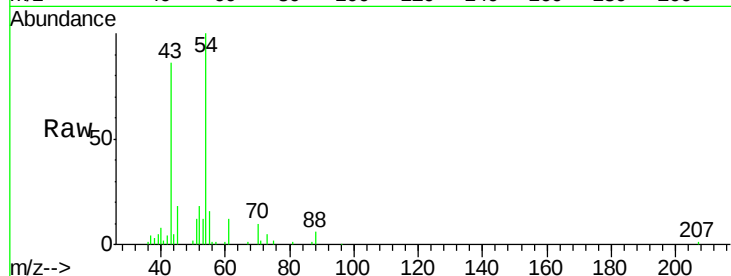
#37
Ethyl Acetate
Concen: 20.846 ug/l
RT: 7.08 min Scan# 901
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.0	13.0	19.4
70	13.9	11.0	16.4

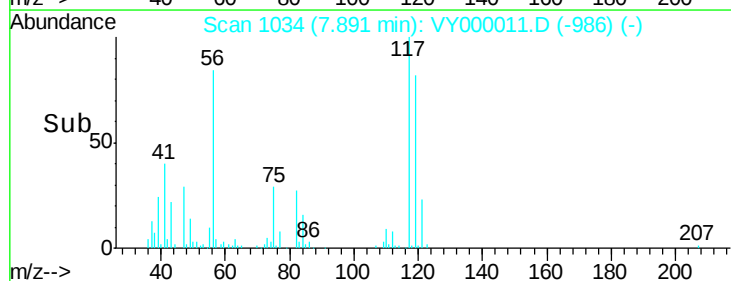
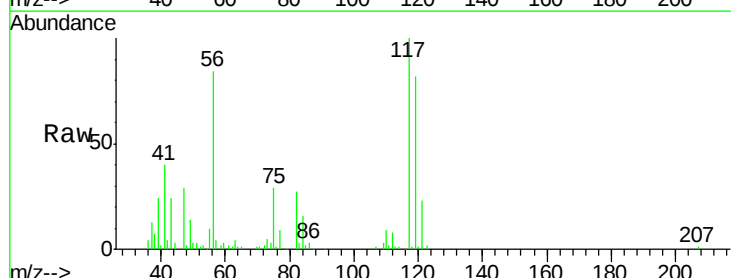
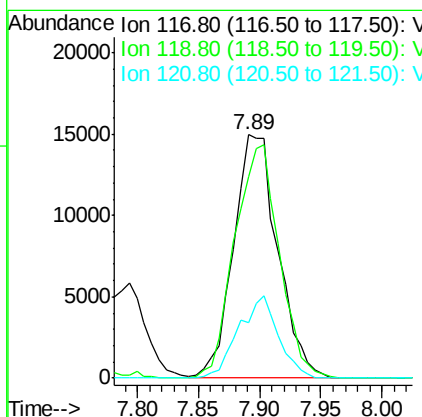
Manual Integrations
APPROVED

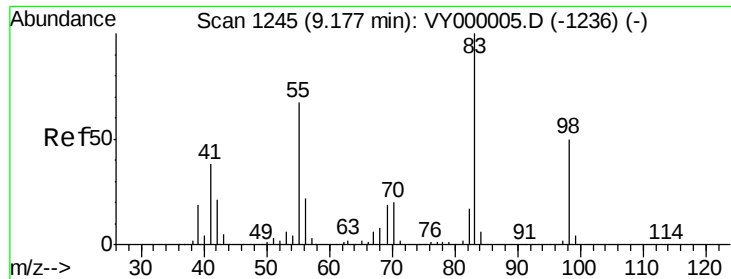
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#38
Carbon Tetrachloride
Concen: 20.499 ug/l
RT: 7.89 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	82.5	71.5	107.3
121	22.9	25.3	37.9#





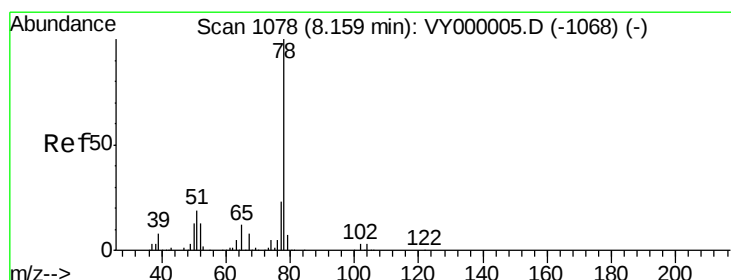
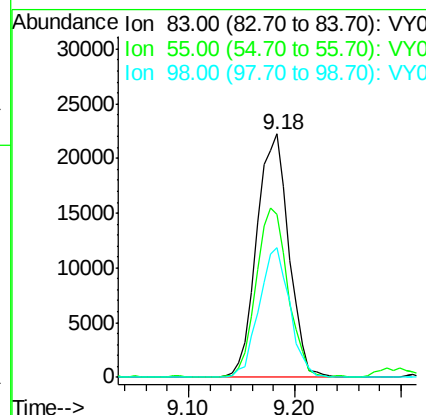
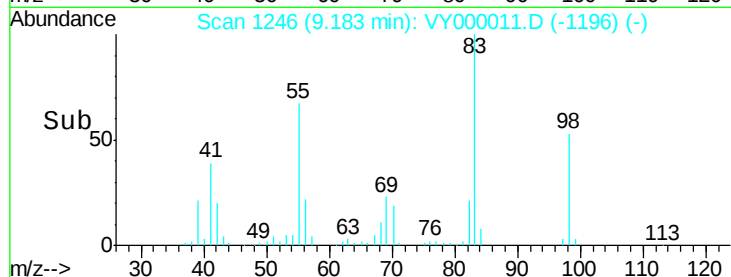
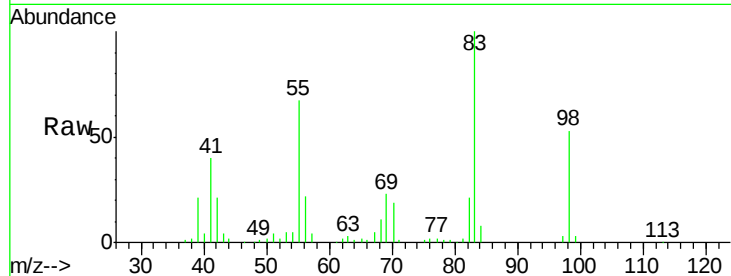
#39
Methvlcvclohexane
Concen: 19.939 ug/l
RT: 9.18 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	47132		
55	66.8	53.8	80.6	
98	53.2	40.0	60.0	

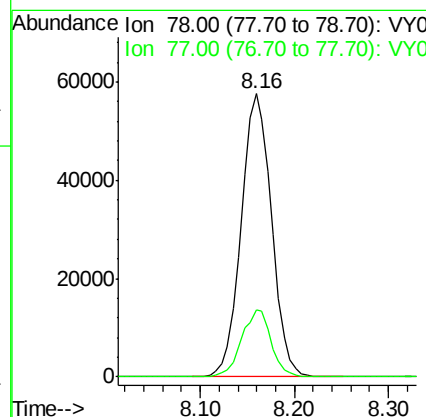
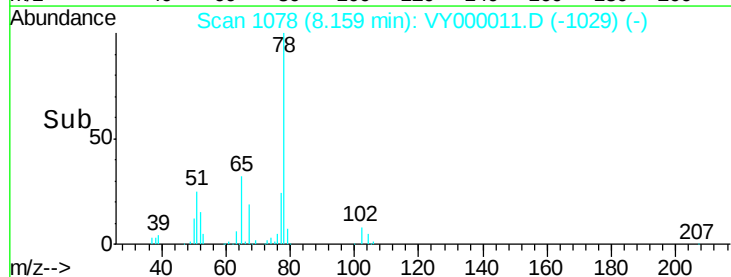
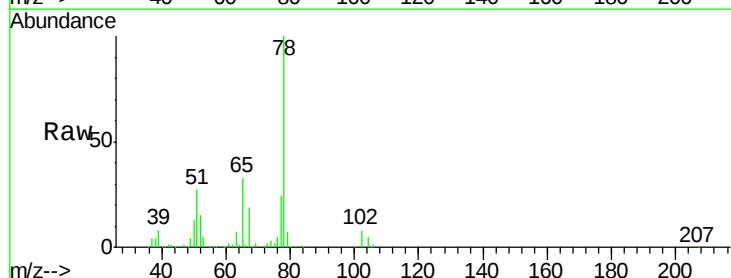
Manual Integrations
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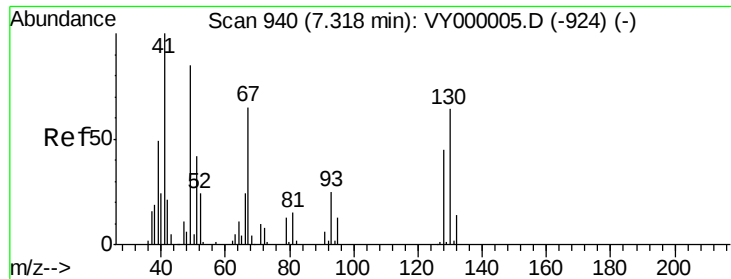
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#40
Benzene
Concen: 20.964 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	129256		
77	23.7	18.0	27.0	





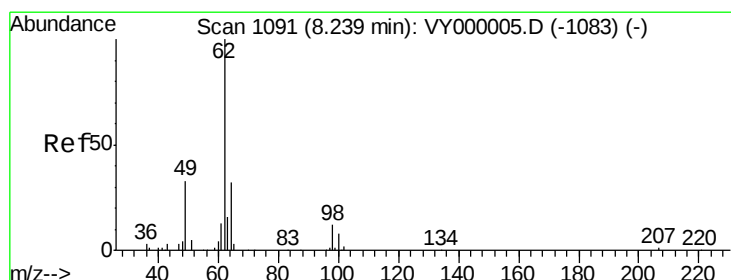
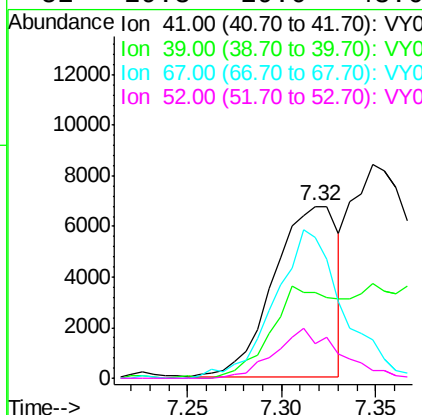
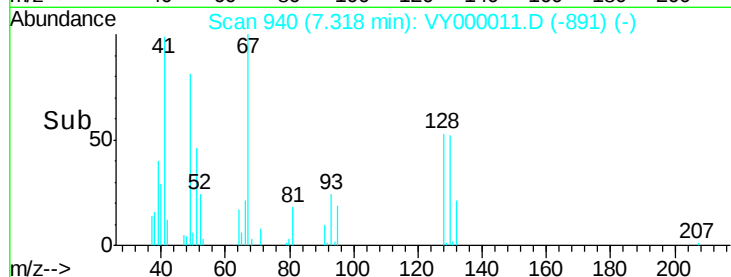
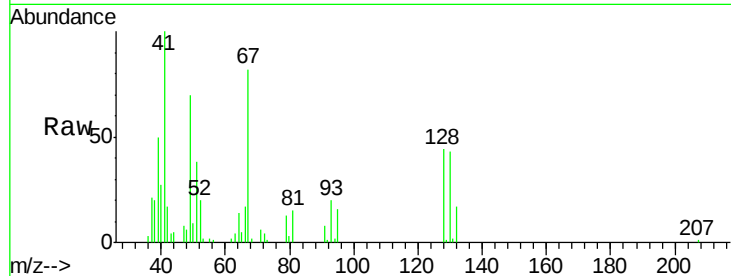
#41
Methacrylonitrile
Concen: 20.243 ug/l
RT: 7.32 min Scan# 940
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBSD01

Tot Ion	41	Resp	15911
Ion	Ratio	Lower	Upper
41	100		
39	60.2	48.4	72.6
67	92.3	76.3	114.5
52	29.3	29.0	43.6

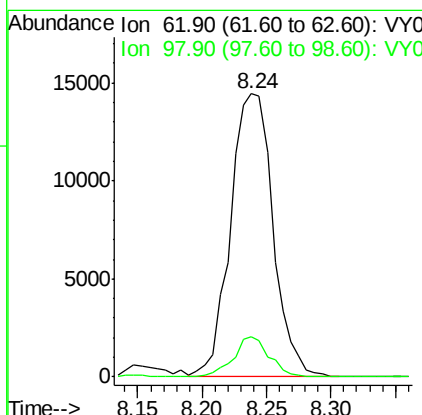
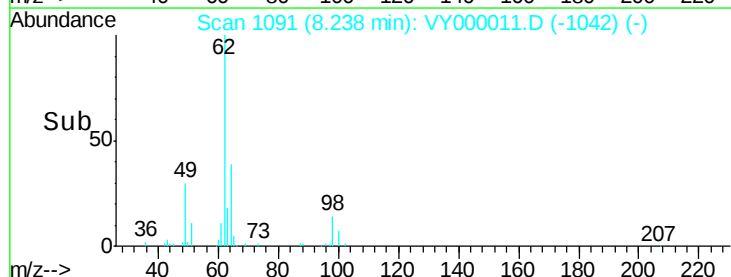
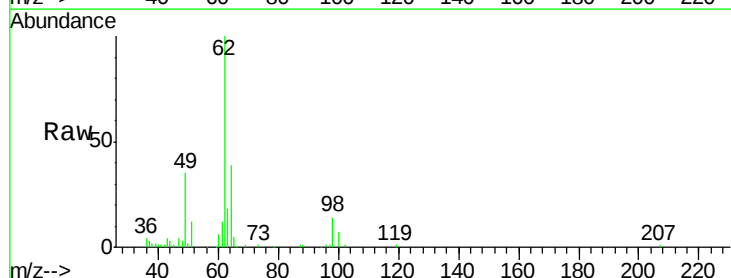
Manual Integrations
APPROVED

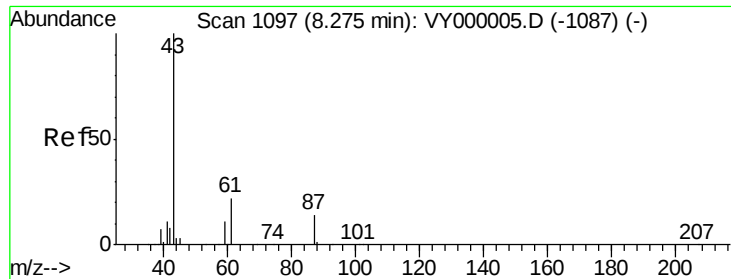
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.541 ug/l
RT: 8.24 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion	62	Resp	33021
Ion	Ratio	Lower	Upper
62	100		
98	11.8	0.0	24.2





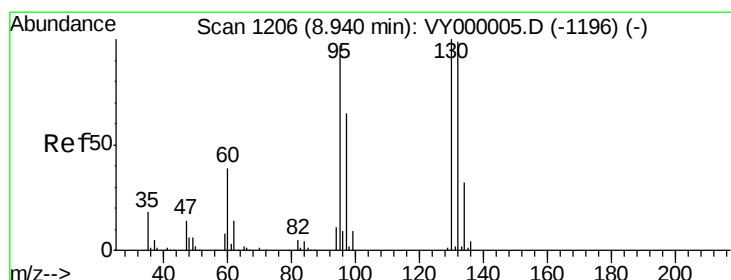
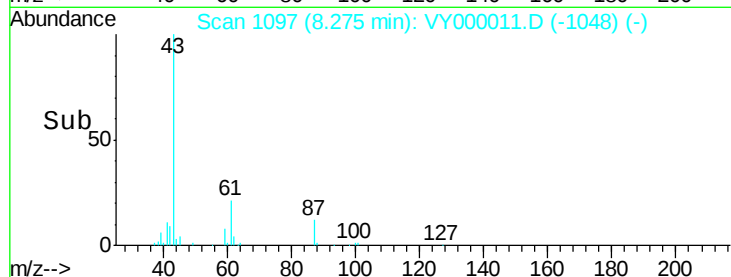
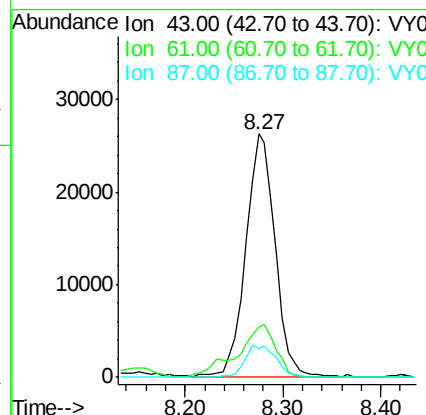
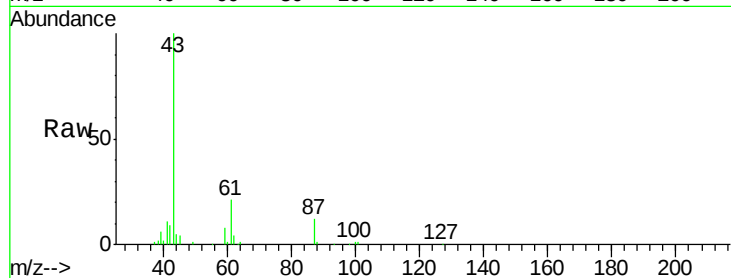
#43
Isopropyl Acetate
Concen: 22.373 ug/l
RT: 8.27 min Scan# 1097
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.1	25.2	37.8
87	14.0	12.6	18.8

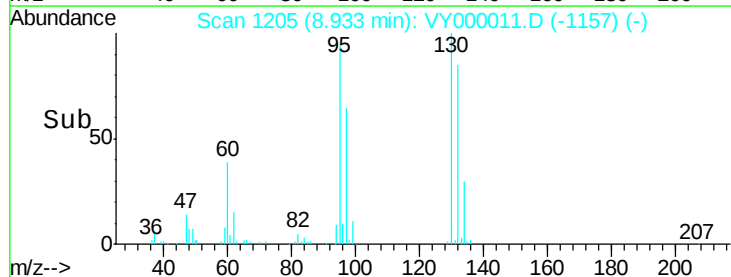
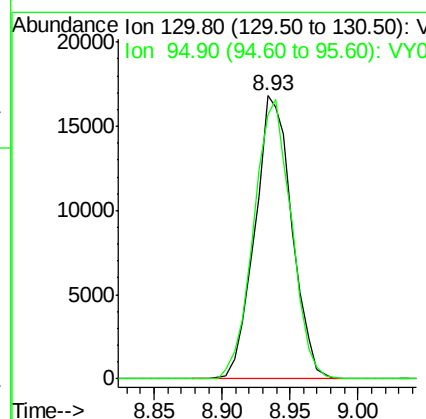
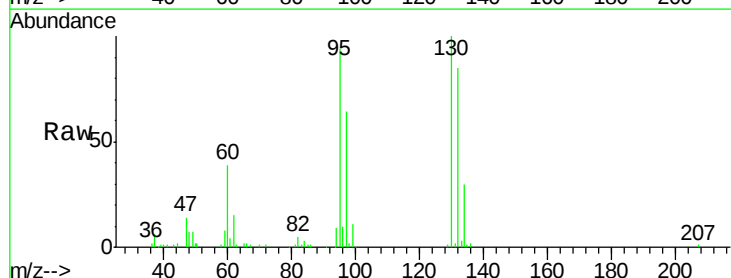
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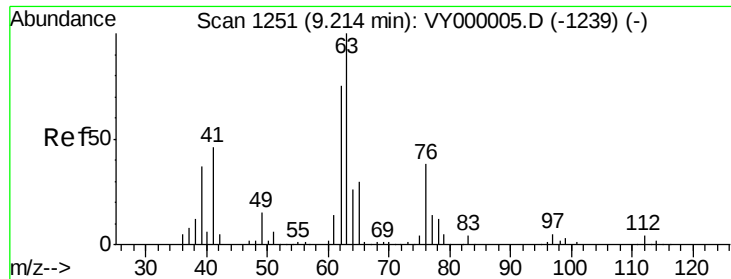
MMDadoda
9/13/2019 11:51:38 PM



#44
Trichloroethene
Concen: 20.209 ug/l
RT: 8.93 min Scan# 1205
Delta R.T. -0.01 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	194.2





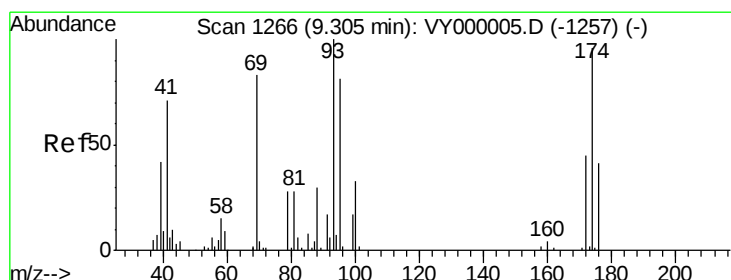
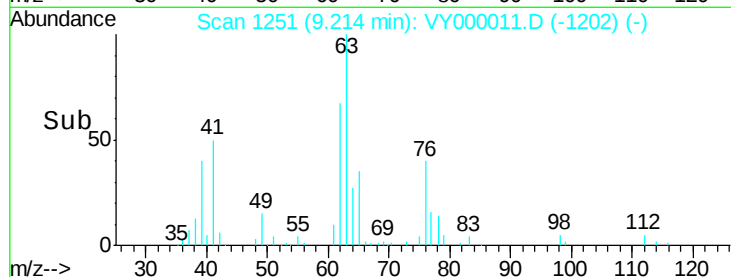
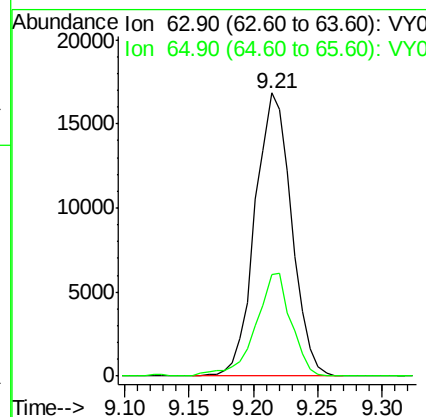
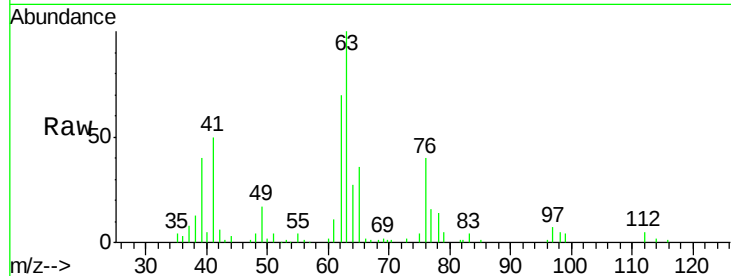
#45
 1,2-Dichloropropane
 Concen: 20.852 ug/l
 RT: 9.21 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	35.9	24.3	36.5

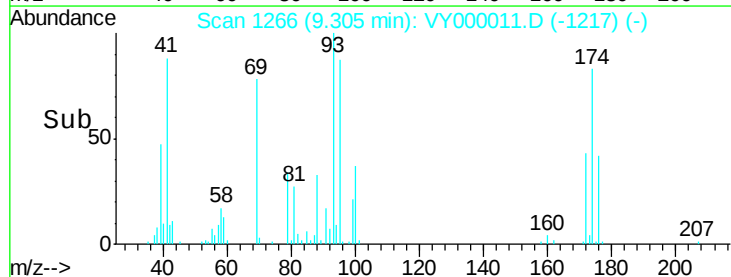
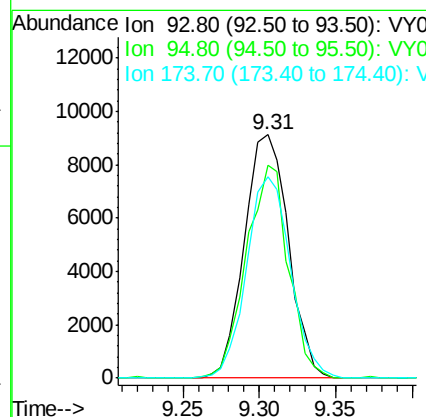
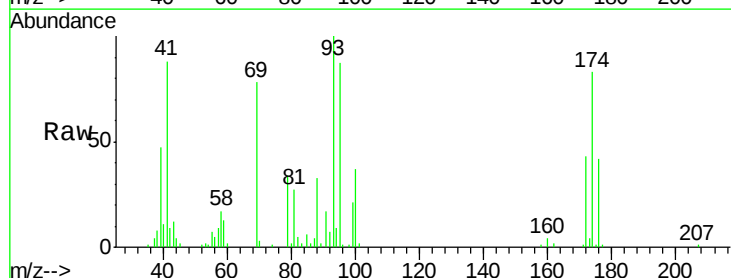
Manual Integrations
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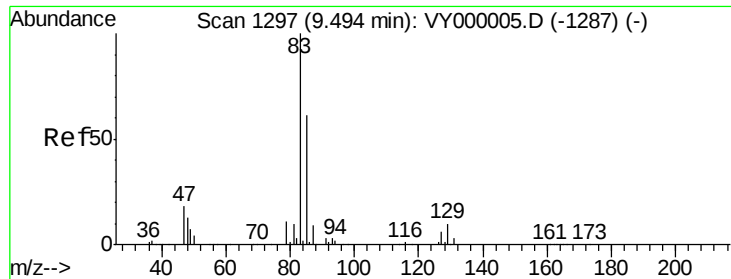
MMDadoda
 9/13/2019 11:51:38 PM



#46
 Dibromomethane
 Concen: 21.356 ug/l
 RT: 9.31 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	68.1	102.1
174	82.9	72.8	109.2





#47

Bromodichloromethane

Concen: 21.344 ug/l

RT: 9.49 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

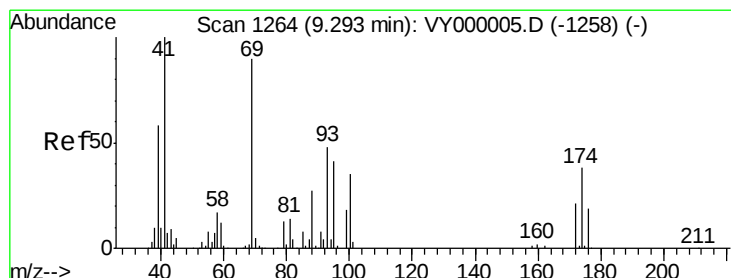
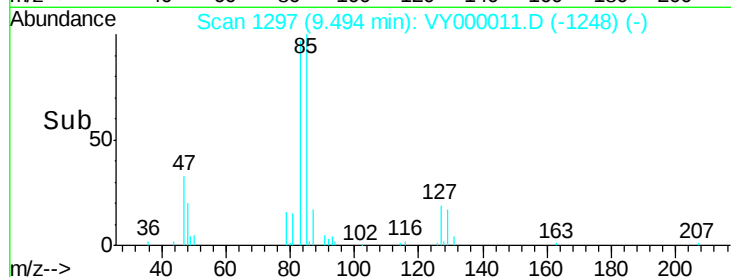
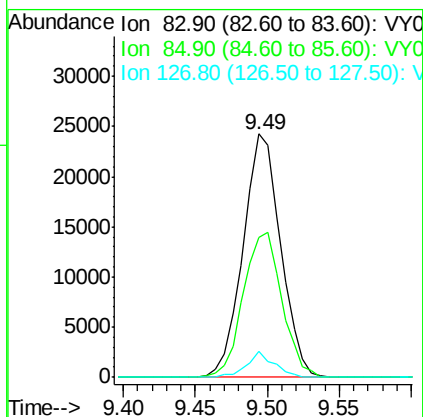
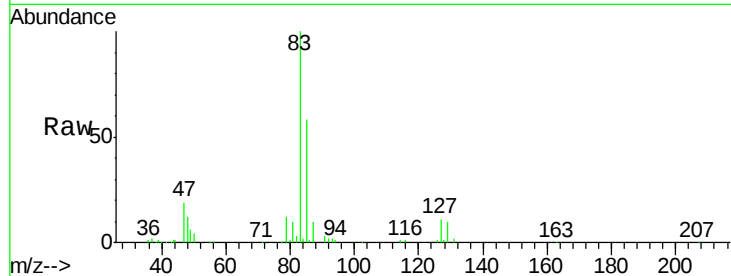
ClientSampleId :

VY0911SBS01

Tot Ion:	83	Resp:	43781
Ion	Ratio	Lower	Upper
83	100		
85	57.7	49.2	73.8
127	10.8	5.0	7.6#

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.171 ug/l

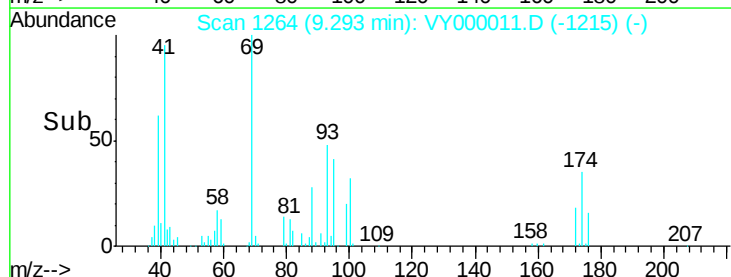
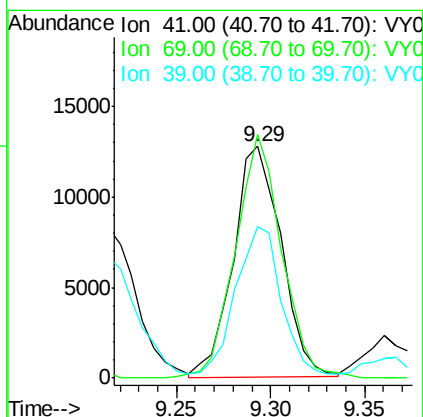
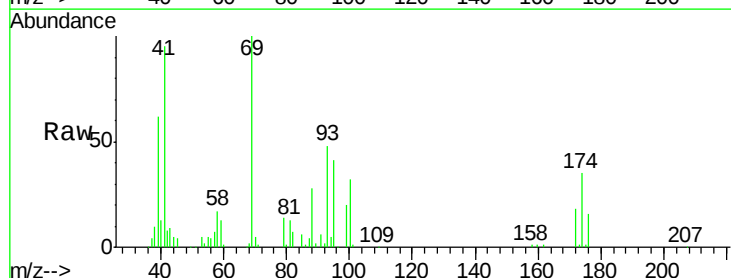
RT: 9.29 min Scan# 1264

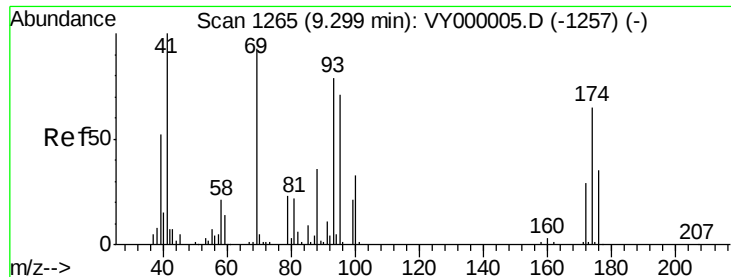
Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Tgt Ion:	41	Resp:	22543
Ion	Ratio	Lower	Upper
41	100		
69	101.7	77.4	116.2
39	63.1	47.4	71.2





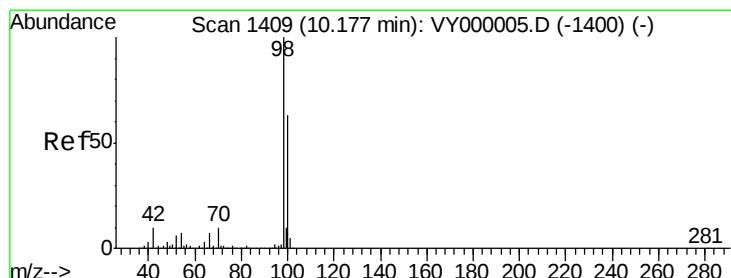
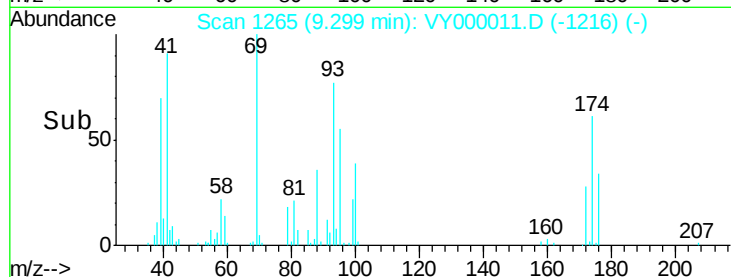
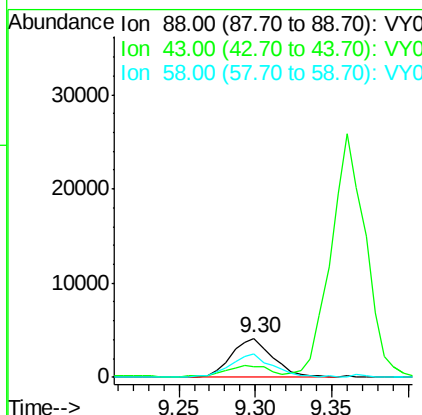
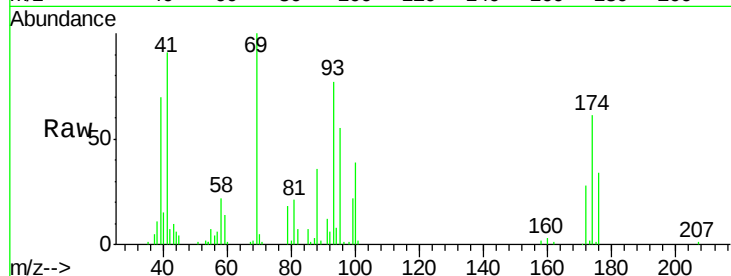
#49
1,4-Dioxane
Concen: 460.267 ug/l
RT: 9.30 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	23.4	35.2
58	62.8	46.1	69.1

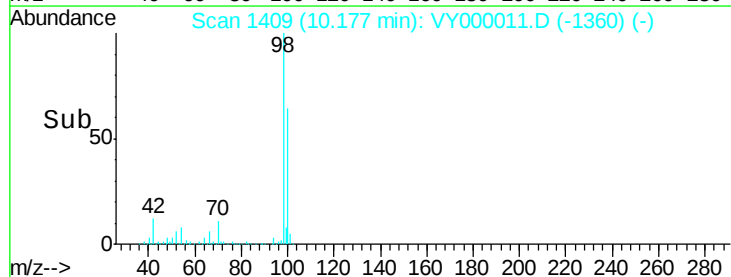
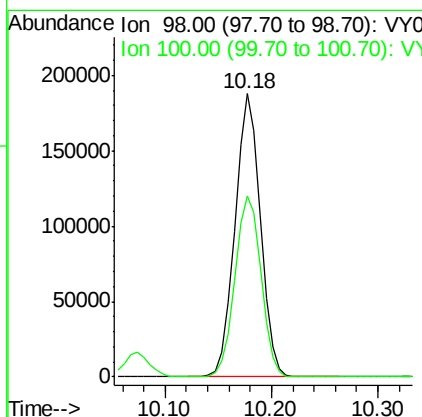
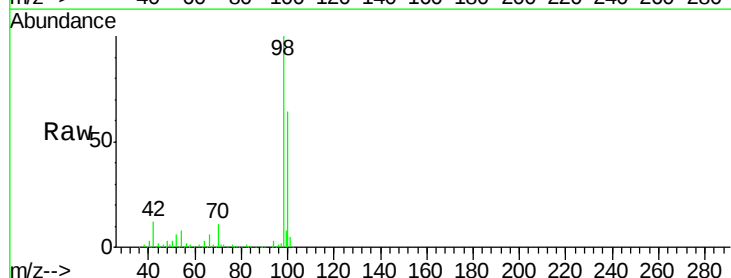
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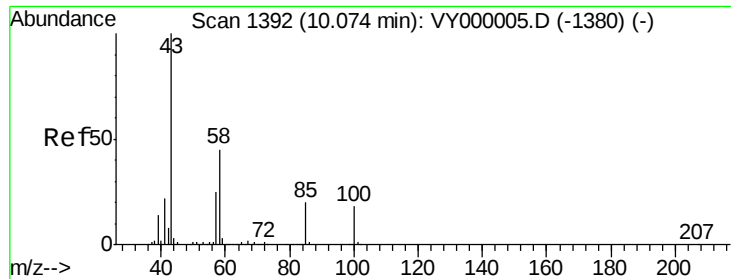
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#50
Toluene-d8
Concen: 51.970 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 112.804 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBSD01

Tot Ion: 43 Resp: 149675

Ion Ratio Lower Upper

43 100

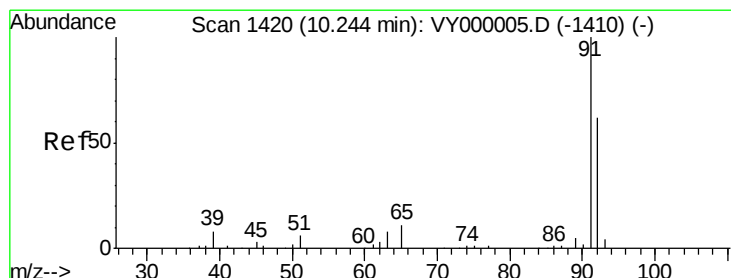
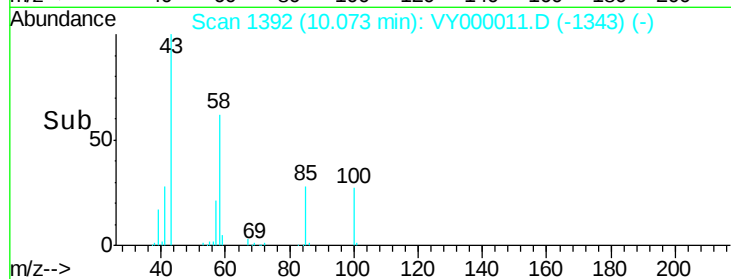
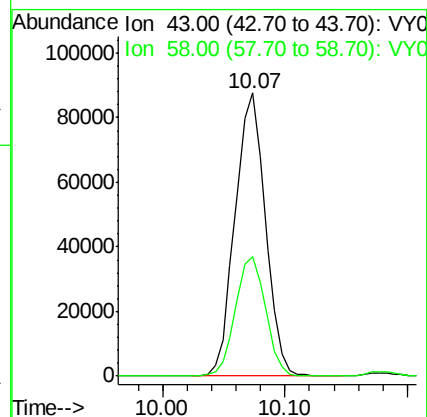
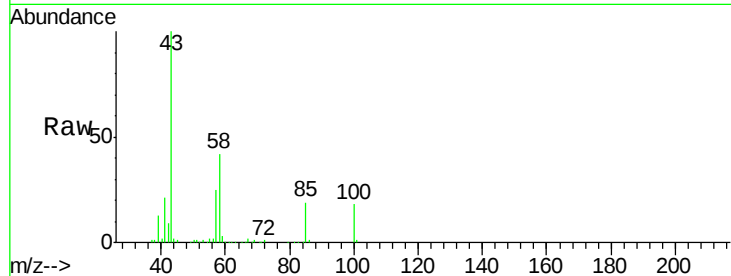
58 42.2 34.1 51.1

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#52

Toluene

Concen: 20.523 ug/l

RT: 10.24 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VY000011.D

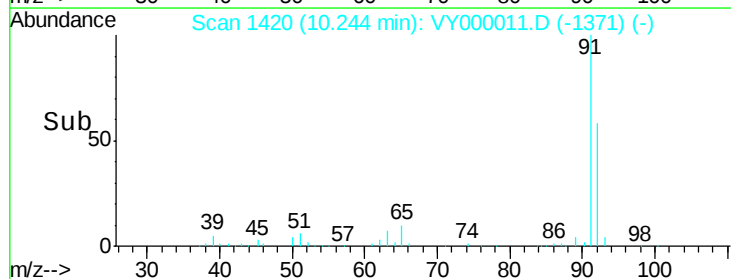
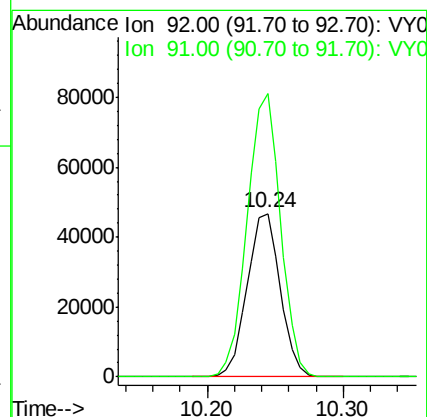
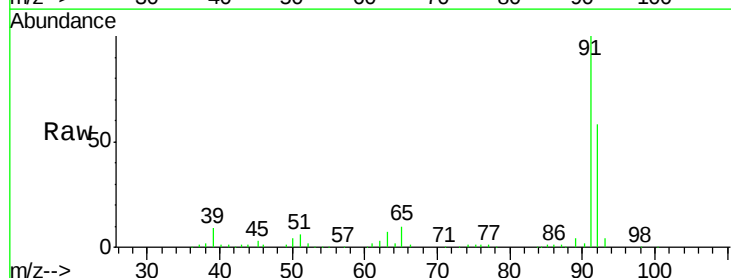
Acq: 11 Sep 2019 20:21

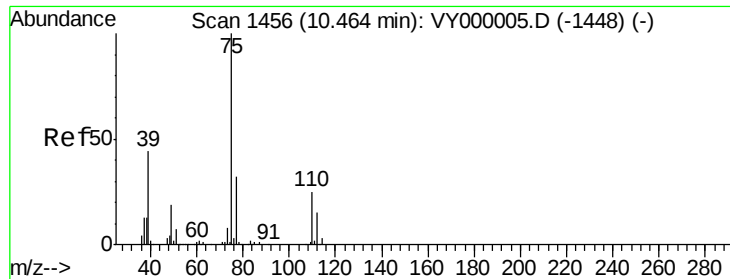
Tgt Ion: 92 Resp: 79662

Ion Ratio Lower Upper

92 100

91 174.7 136.5 204.7





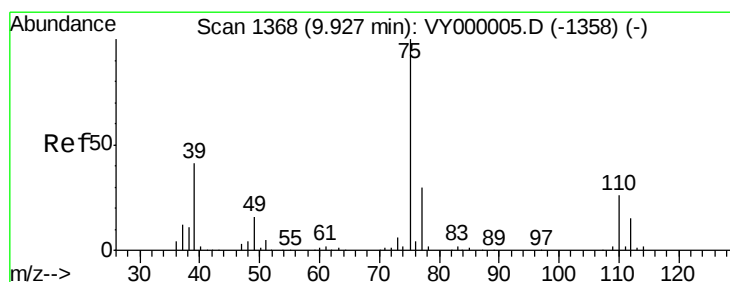
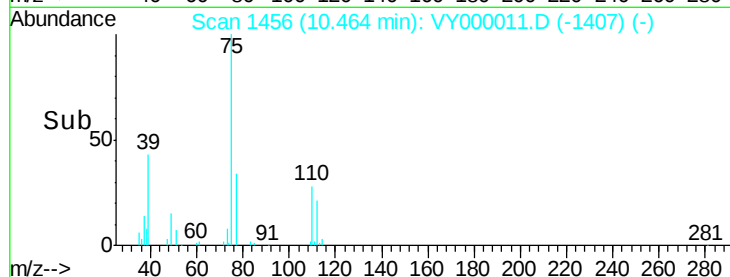
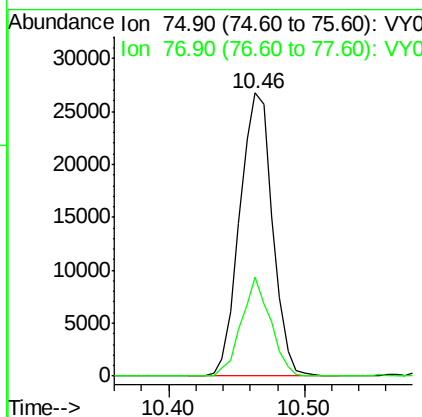
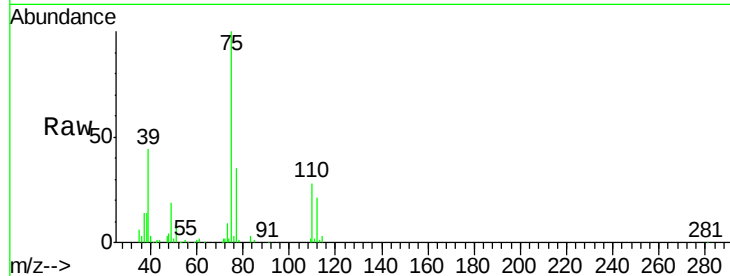
#53
t-1,3-Dichloropropene
Concen: 20.918 ug/l
RT: 10.46 min Scan# 1456
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBS01

Tot Ion: 75 Resp: 45074
Ion Ratio Lower Upper
75 100
77 34.8 25.8 38.8

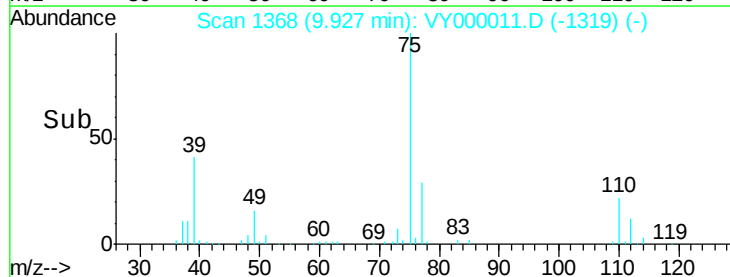
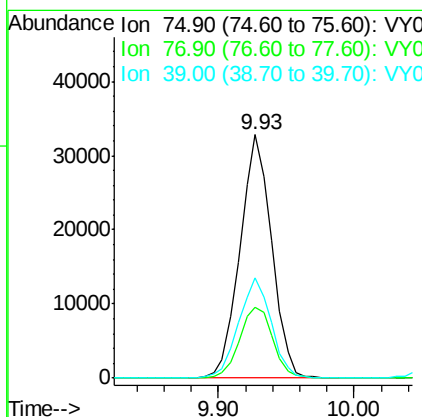
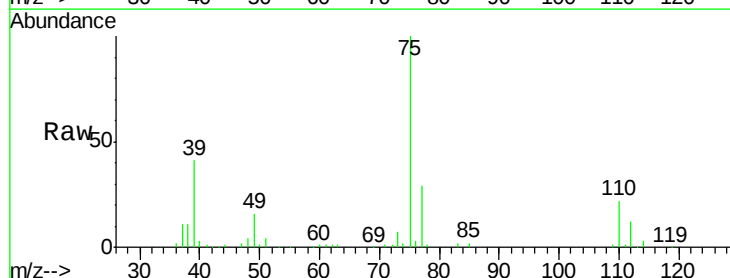
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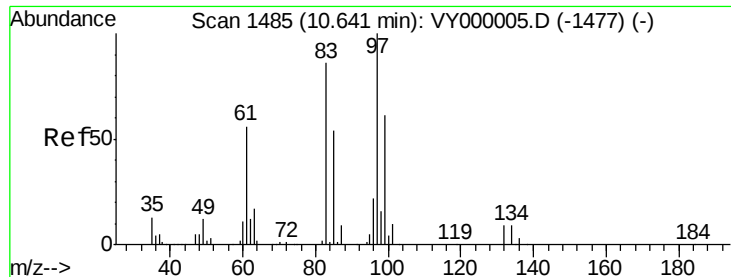
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#54
cis-1,3-Dichloropropene
Concen: 21.226 ug/l
RT: 9.93 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion: 75 Resp: 53394
Ion Ratio Lower Upper
75 100
77 29.0 24.1 36.1
39 41.0 33.0 49.4





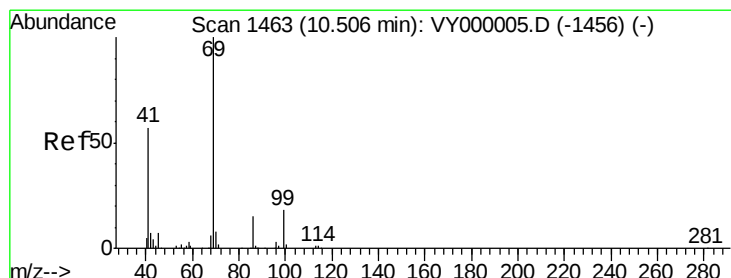
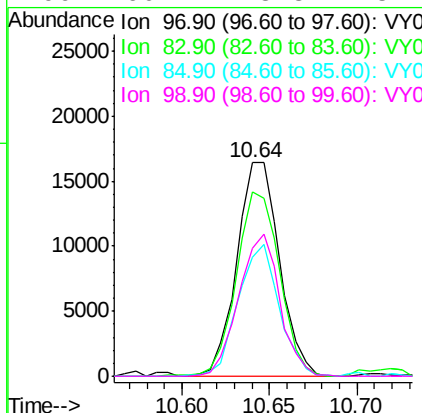
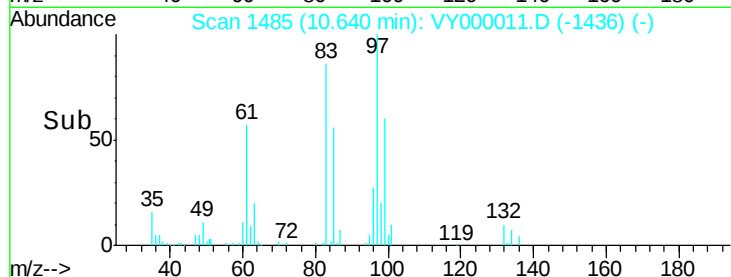
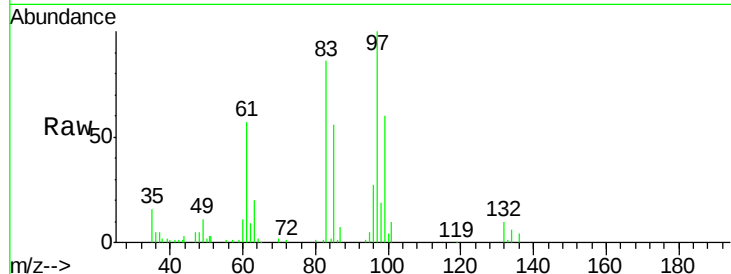
#55
 1,1,2-Trichloroethane
 Concen: 20.975 ug/l
 RT: 10.64 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBSD01

Tot Ion:	97	Resp:	27841
Ion	Ratio	Lower	Upper
97	100		
83	86.2	68.4	102.6
85	55.8	43.0	64.6
99	60.1	48.8	73.2

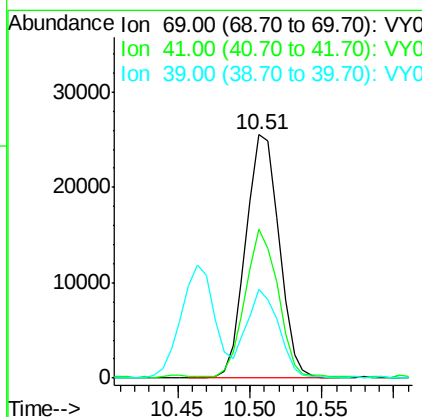
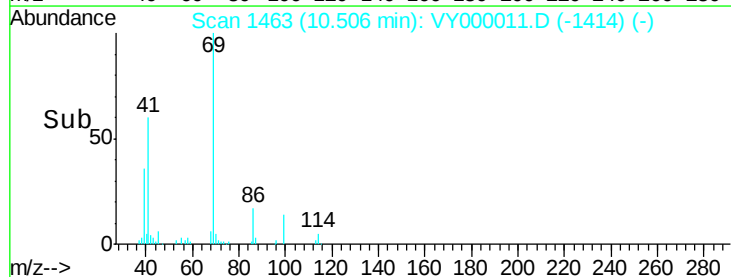
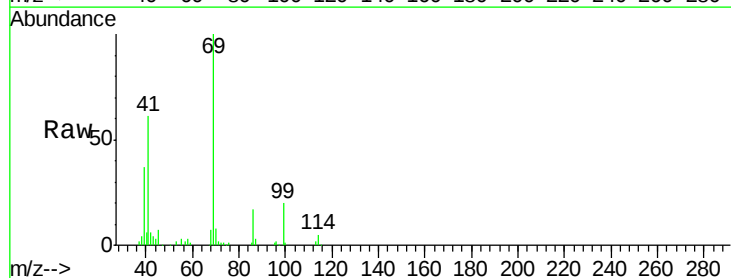
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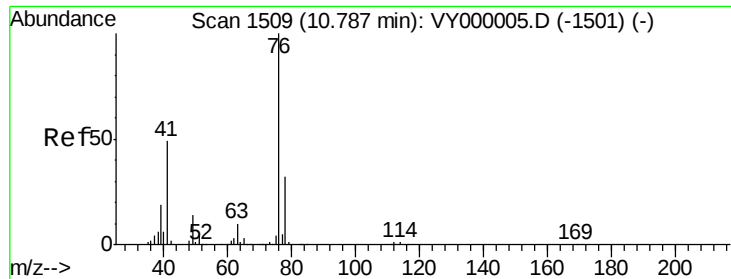
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#56
 Ethyl methacrylate
 Concen: 21.428 ug/l
 RT: 10.51 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

Tgt Ion:	69	Resp:	40947
Ion	Ratio	Lower	Upper
69	100		
41	61.5	46.3	69.5
39	35.1	25.8	38.6





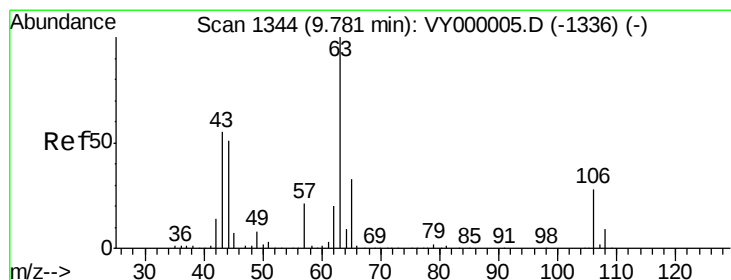
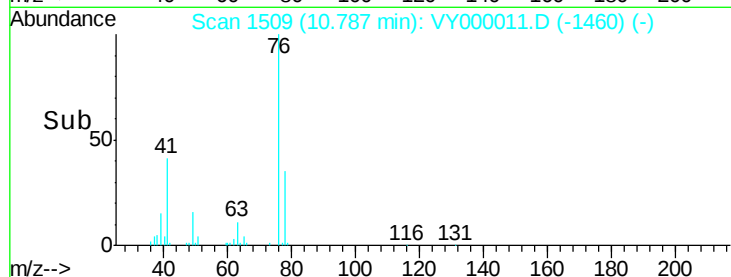
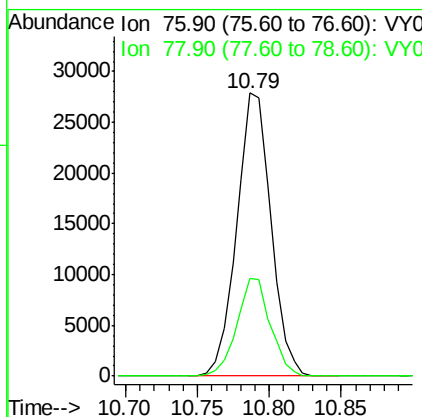
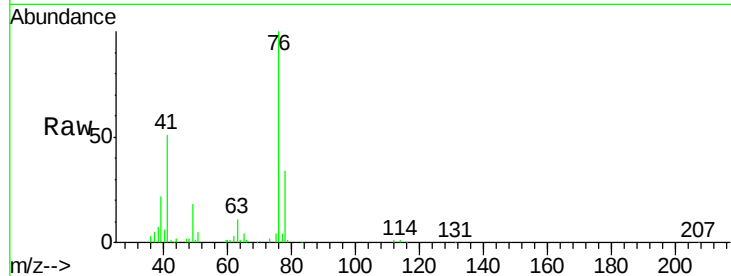
#57
 1,3-Dichloropropane
 Concen: 20.981 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBS01

Tot Ion: 76 Resp: 45959
 Ion Ratio Lower Upper
 76 100
 78 33.8 26.1 39.1

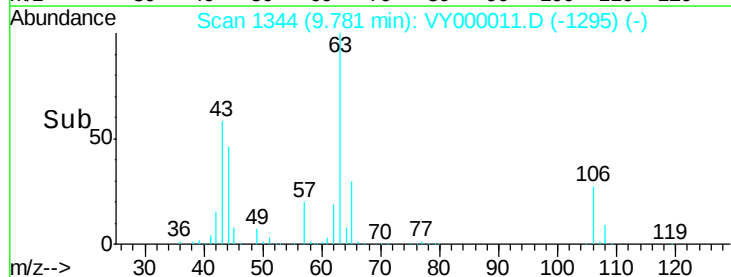
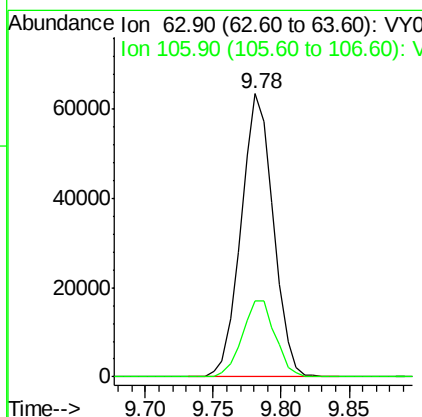
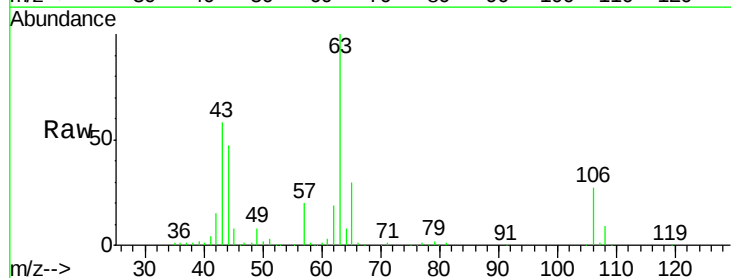
Manual Integrations
 APPROVED

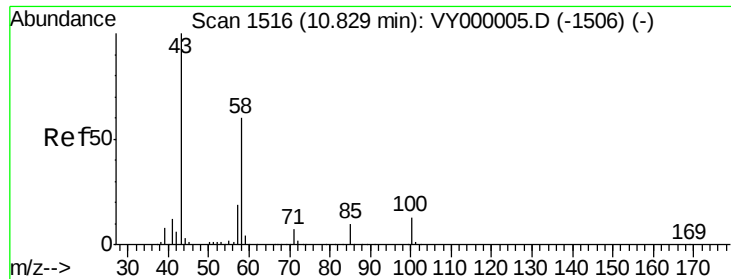
MMDadoda
 9/13/2019 11:51:38 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.571 ug/l
 RT: 9.78 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

Tgt Ion: 63 Resp: 105062
 Ion Ratio Lower Upper
 63 100
 106 27.5 23.3 34.9





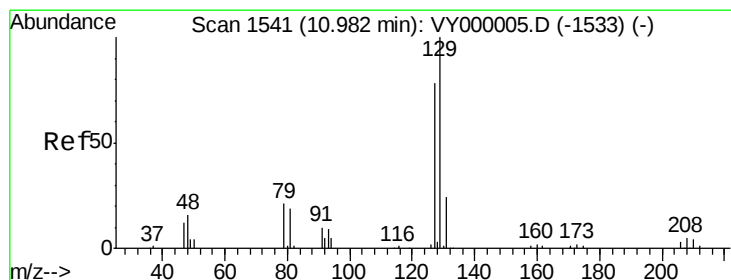
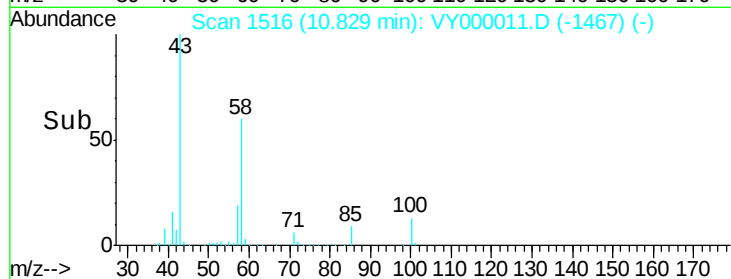
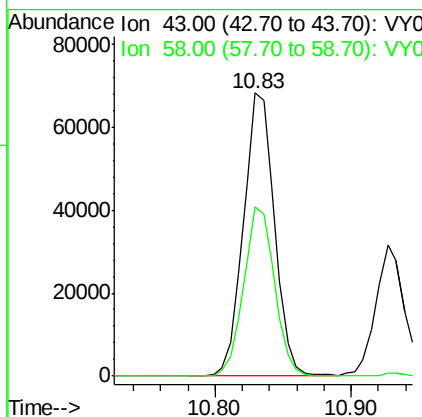
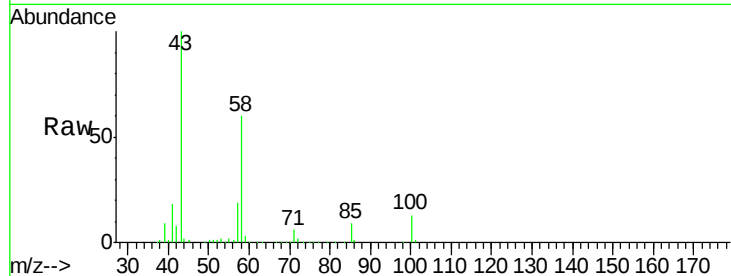
#59
2-Hexanone
Concen: 114.878 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.7	29.8	89.5

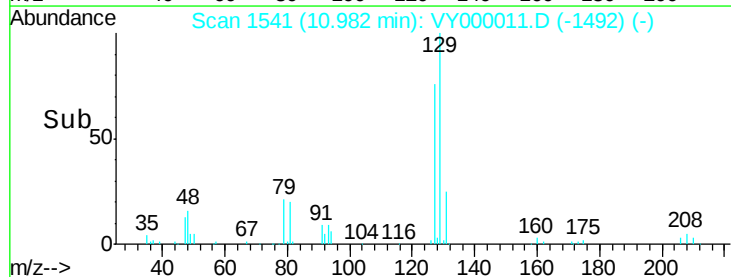
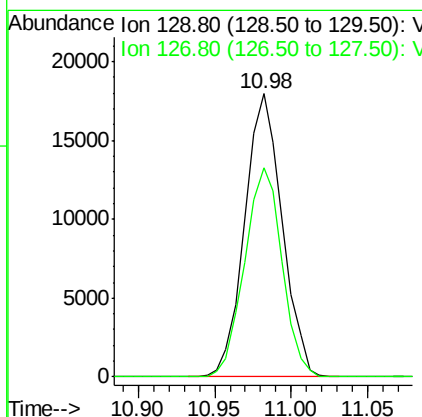
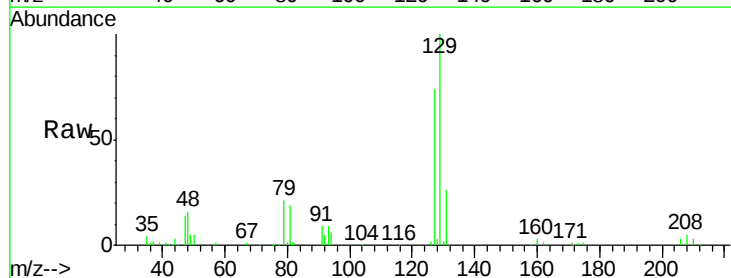
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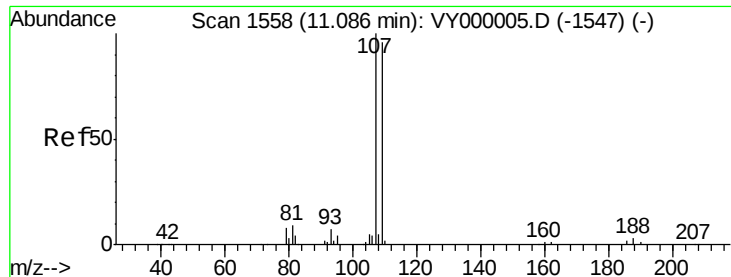
MMDadoda
9/13/2019 11:51:38 PM



#60
Dibromochloromethane
Concen: 21.619 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.9	39.2	117.6





#61

1,2-Dibromoethane

Concen: 21.183 ug/l

RT: 11.09 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBS01

Tot Ion: 107 Resp: 25865

Ion Ratio Lower Upper

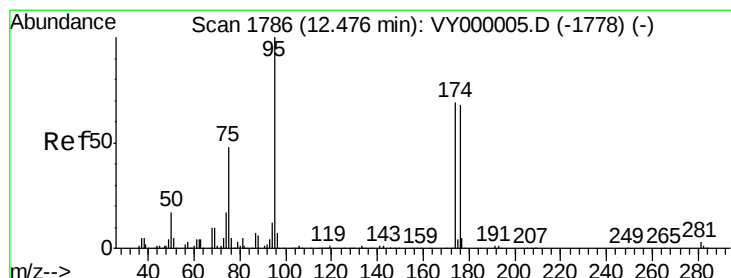
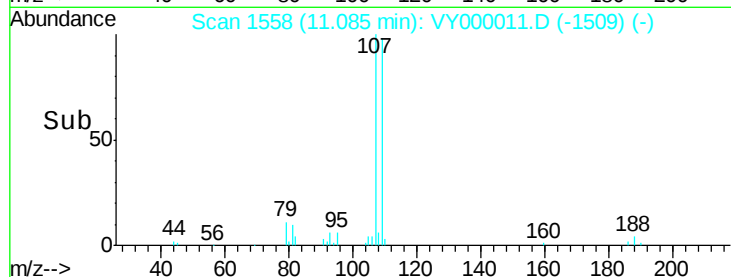
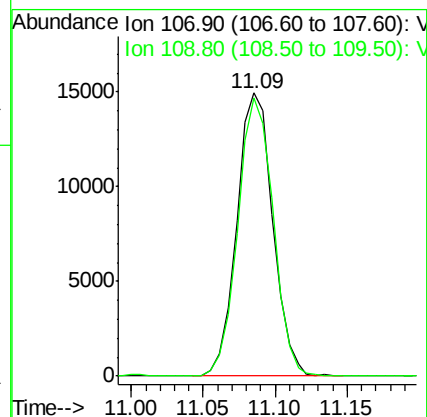
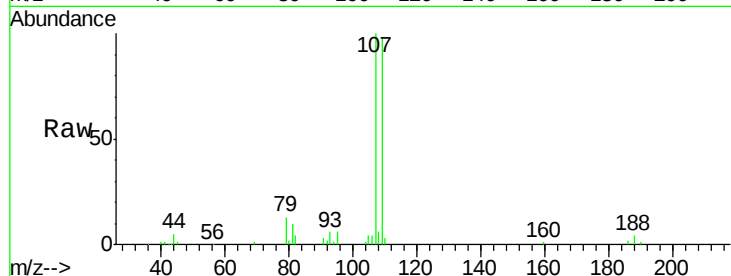
107 100

109 97.0 73.2 109.8

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#62

4-Bromofluorobenzene

Concen: 48.999 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

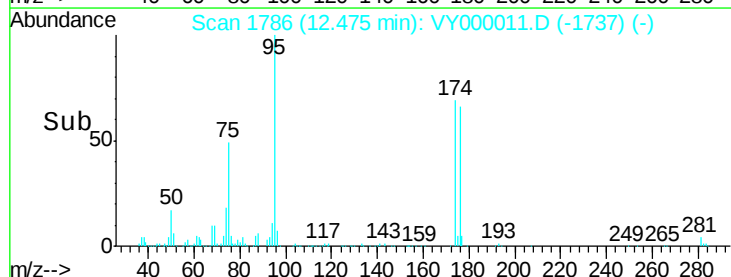
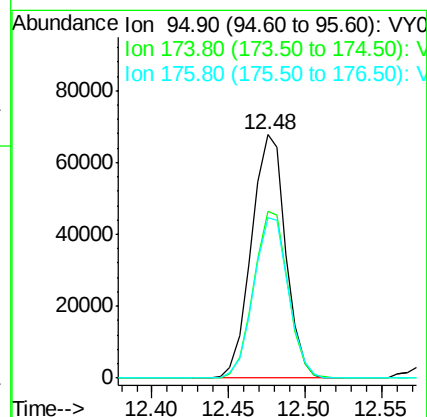
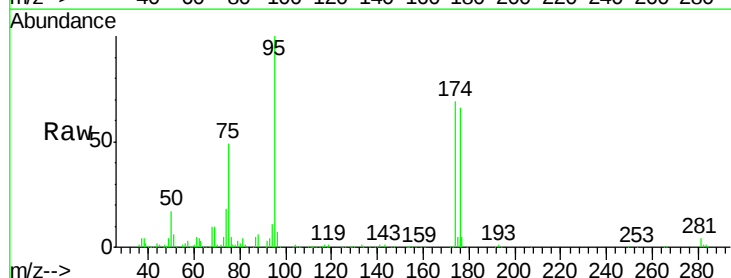
Tgt Ion: 95 Resp: 105168

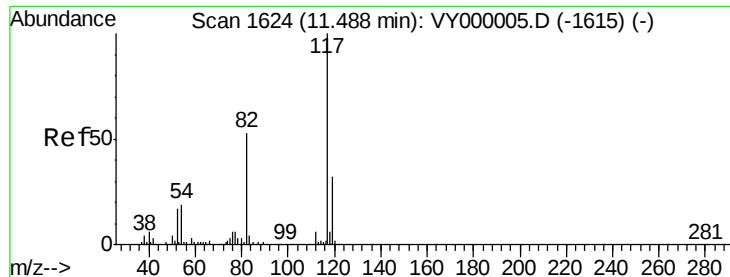
Ion Ratio Lower Upper

95 100

174 69.0 0.0 145.8

176 67.1 0.0 138.0





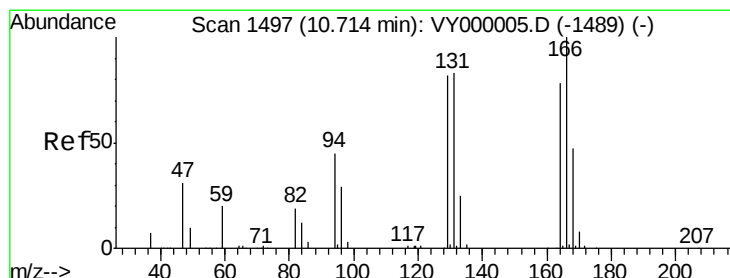
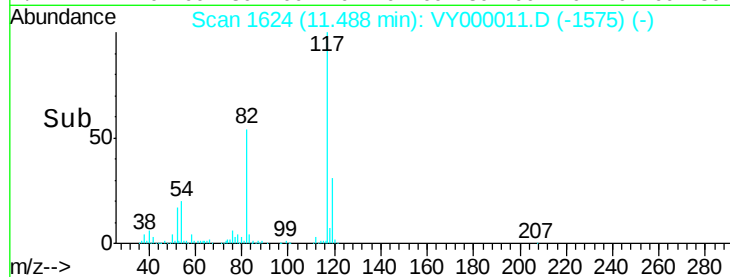
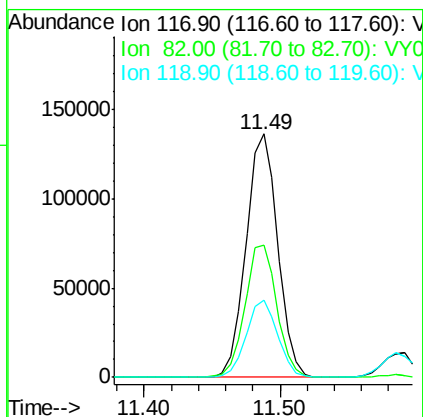
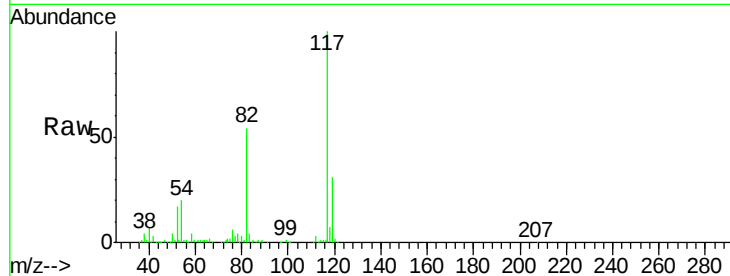
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	22253		
82	54.1	42.3	63.5	
119	31.5	25.8	38.8	

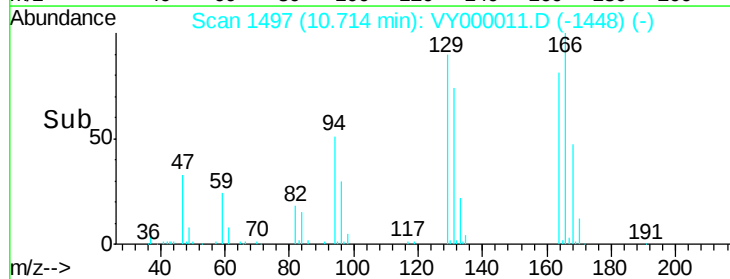
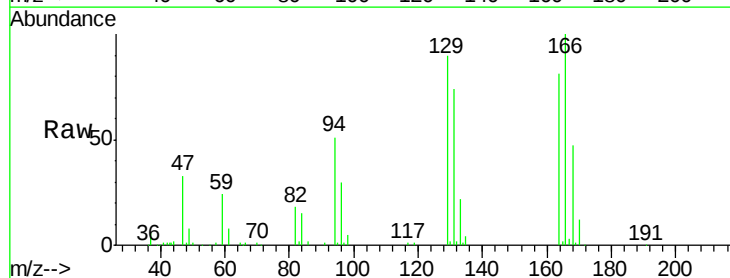
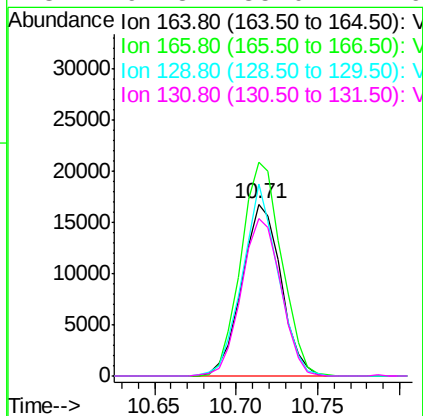
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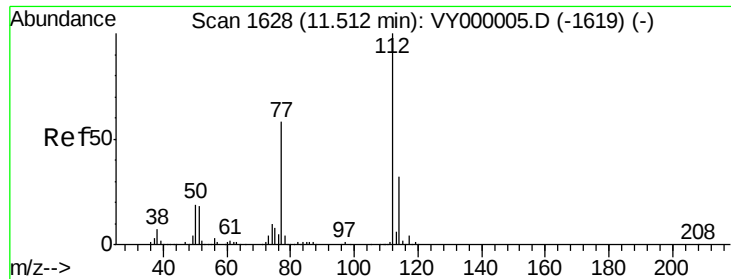
MMDadoda
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#64
Tetrachloroethene
Concen: 20.655 ug/l
RT: 10.71 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	28064		
166	124.2	102.5	153.7	
129	112.0	83.8	125.8	
131	91.8	85.0	127.6	





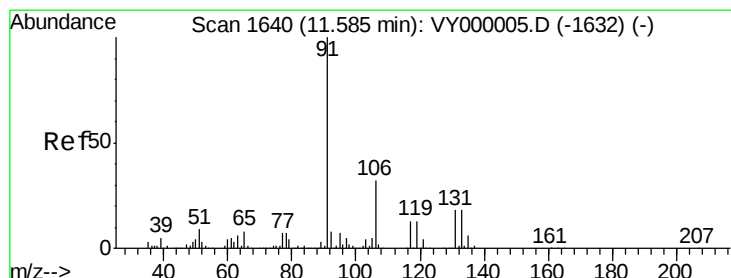
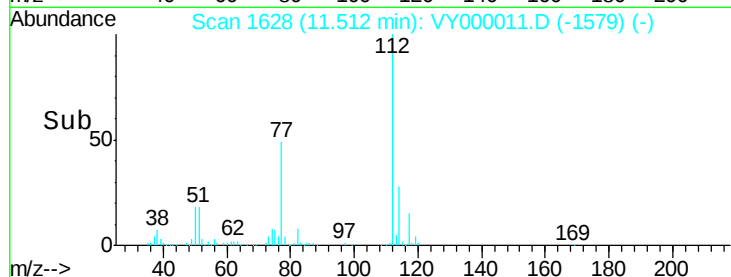
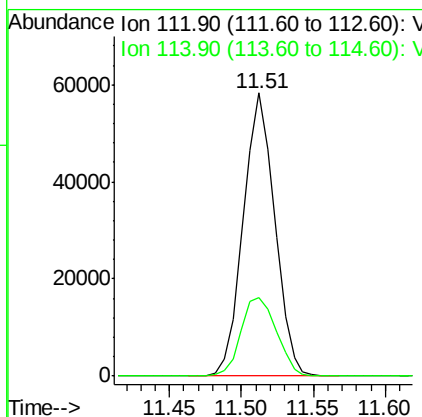
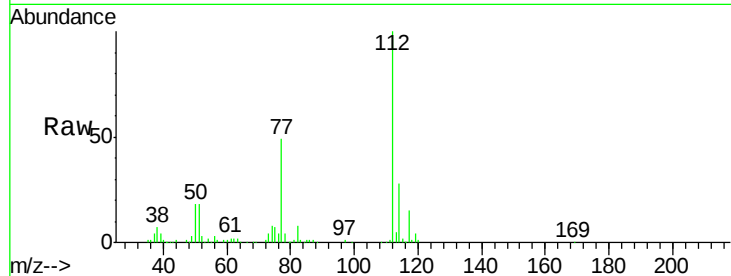
#65
Chlorobenzene
Concen: 21.552 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	27.6	25.4	38.2

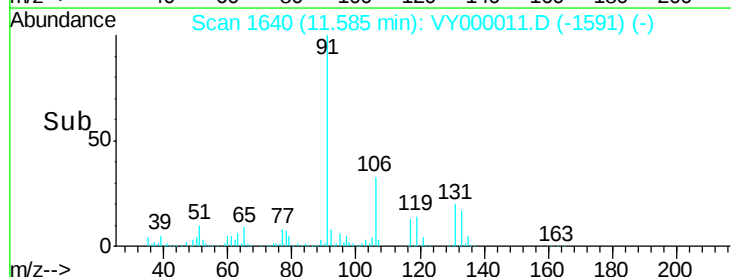
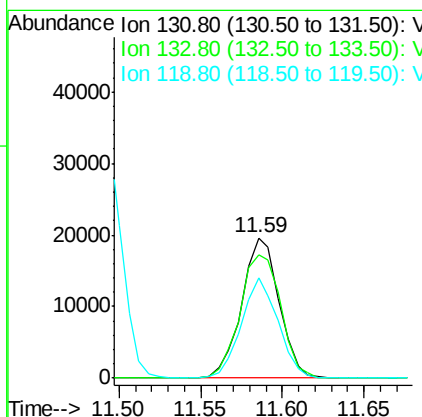
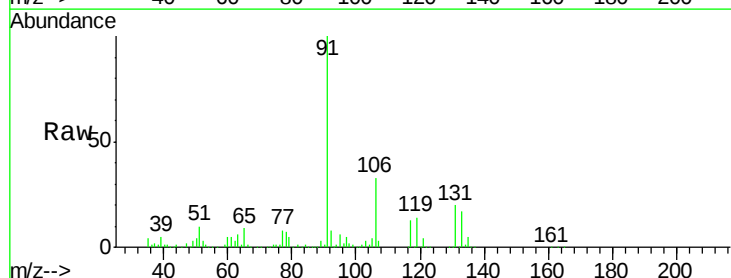
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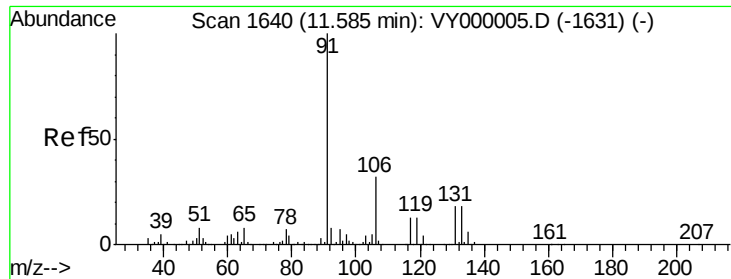
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.561 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.7	146.1
119	69.7	35.8	107.3





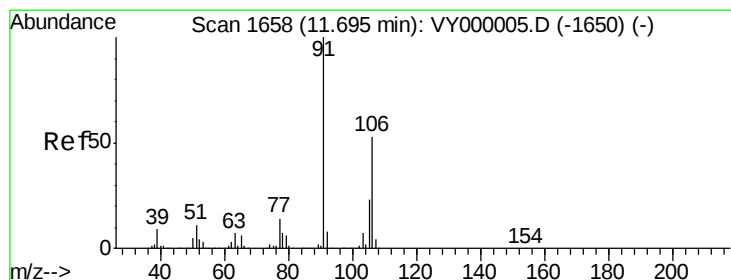
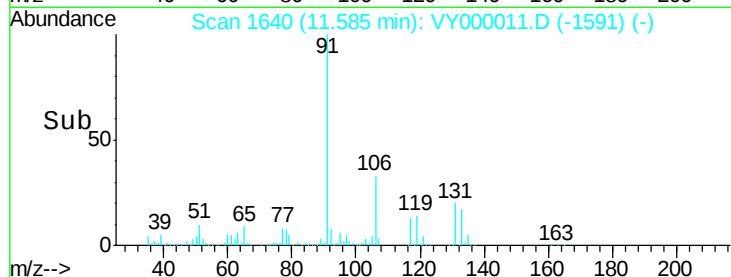
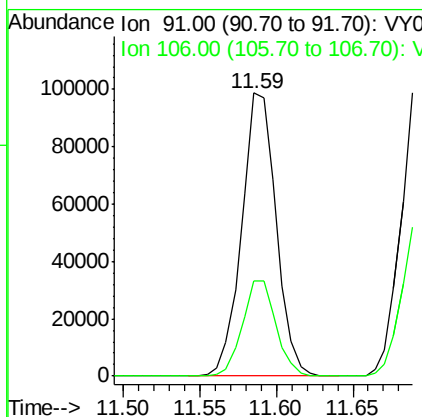
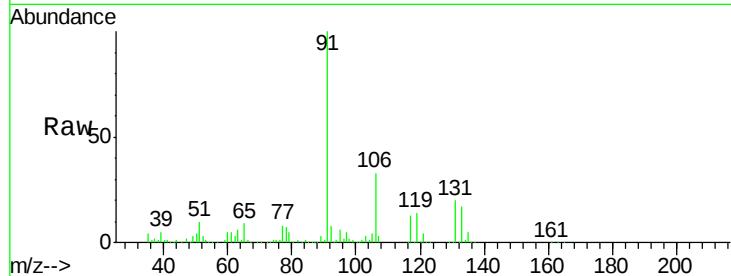
#67
Ethyl Benzene
Concen: 20.528 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBS01

Tot Ion: 91 Resp: 154091
Ion Ratio Lower Upper
91 100
106 33.5 25.4 38.2

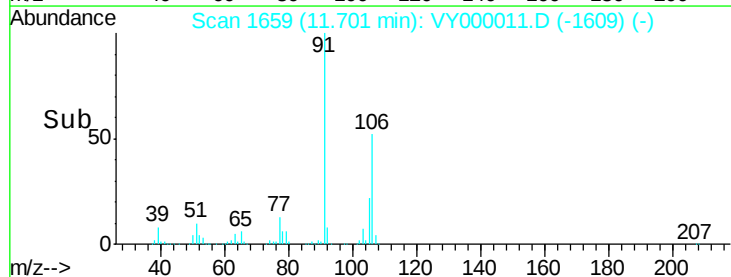
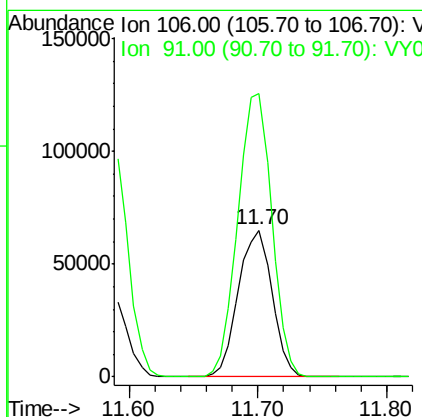
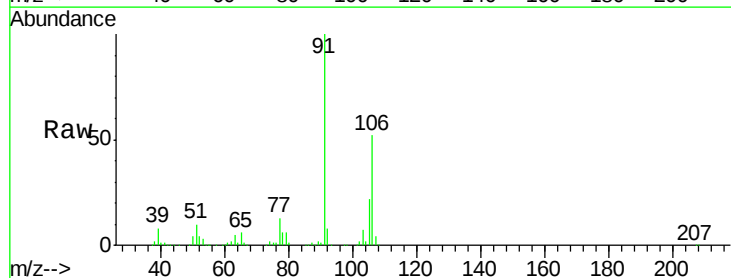
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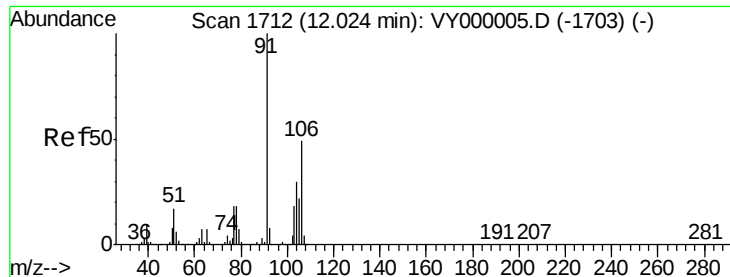
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#68
m/p-Xylenes
Concen: 41.536 ug/l
RT: 11.70 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion: 106 Resp: 118424
Ion Ratio Lower Upper
106 100
91 194.6 157.1 235.7





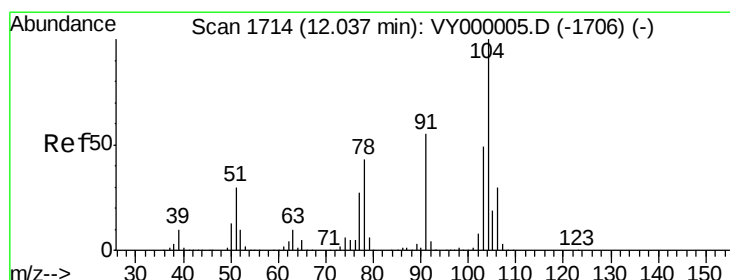
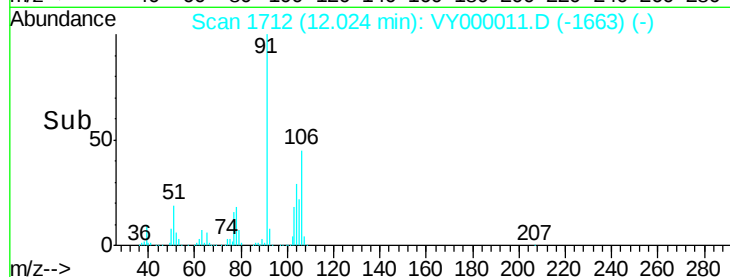
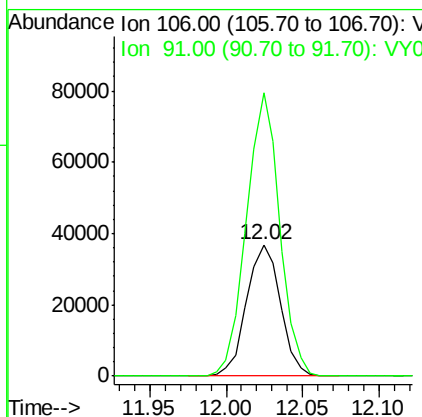
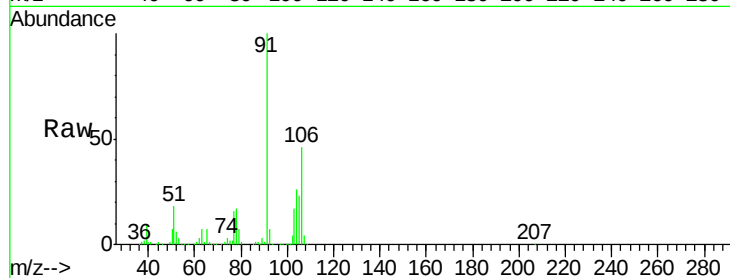
#69
o-Xylene
Concen: 20.750 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.5	100.6	301.8

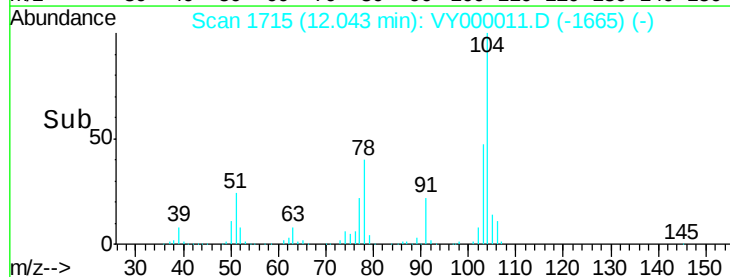
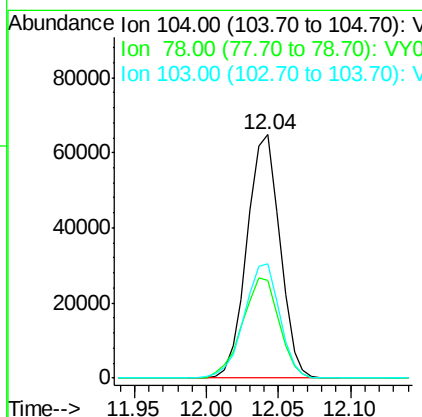
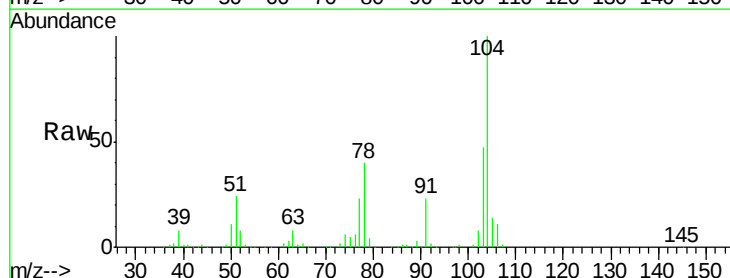
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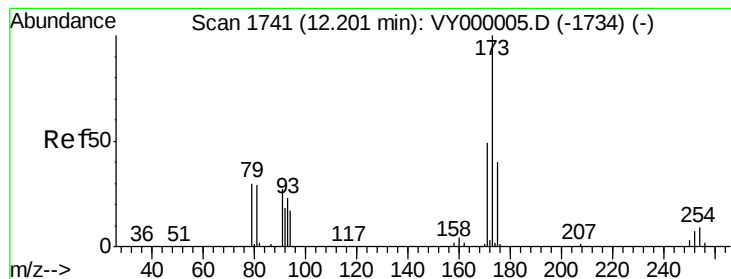
MMDadoda
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#70
Styrene
Concen: 21.449 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.3	37.6	56.4
103	50.7	42.6	63.8





#71

Bromoform

Concen: 21.087 ug/l

RT: 12.21 min Scan# 1742

Delta R.T. 0.01 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

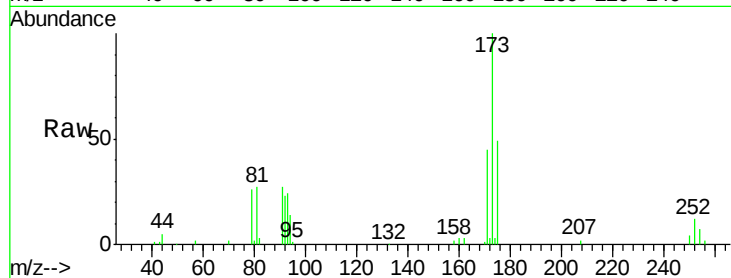
ClientSampleId :

VY0911SBS01

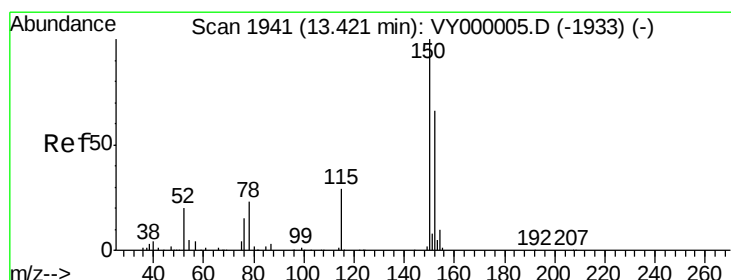
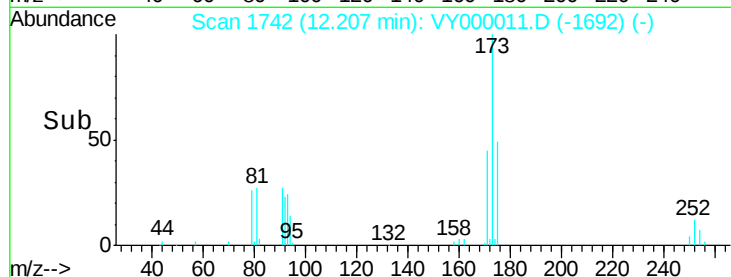
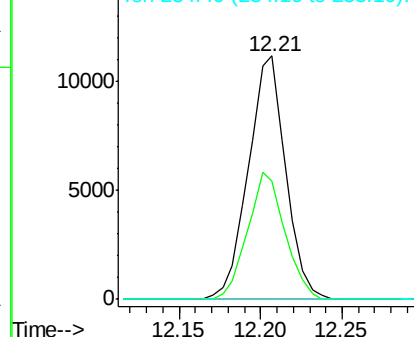
Tot Ion:	173	Resp:	17757
Ion Ratio	Lower	Upper	
173	100		
175	52.1	23.8	71.5
254	0.0	0.0	0.0

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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

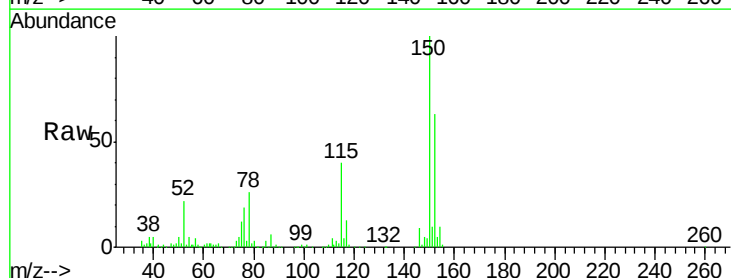
RT: 13.42 min Scan# 1941

Delta R.T. -0.00 min

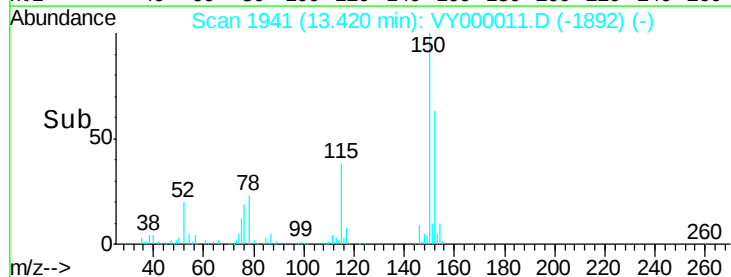
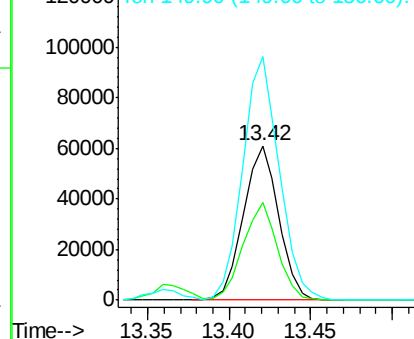
Lab File: VY000011.D

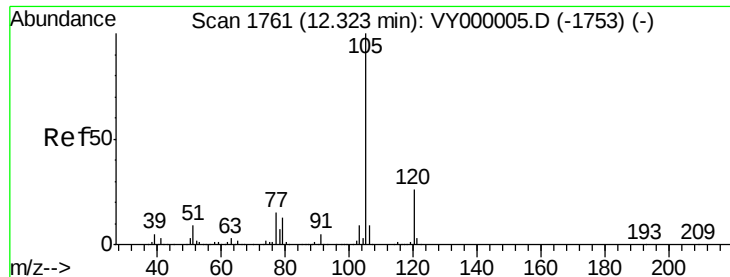
Acq: 11 Sep 2019 20:21

Tgt Ion:	152	Resp:	92013
Ion Ratio	Lower	Upper	
152	100		
115	61.0	30.3	91.0
150	163.5	0.0	347.4



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





#73

Isopropylbenzene

Concen: 22.321 ug/l

RT: 12.32 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBS01

Tot Ion:105 Resp: 155288

Ion Ratio Lower Upper

105 100

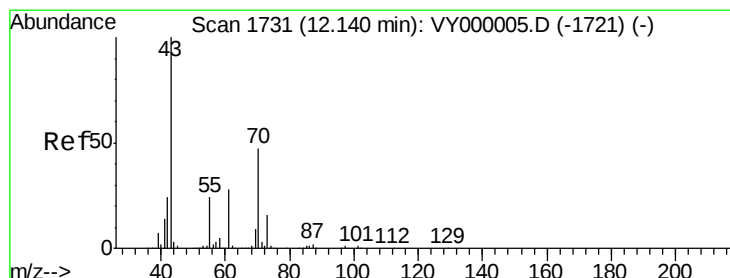
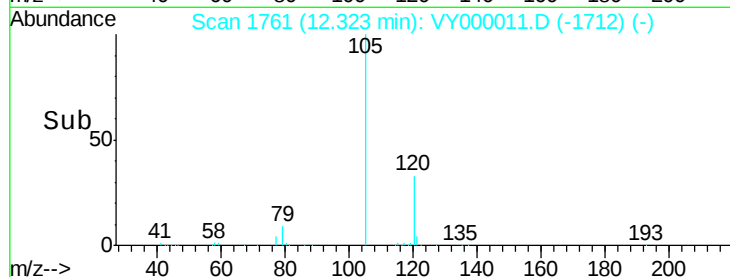
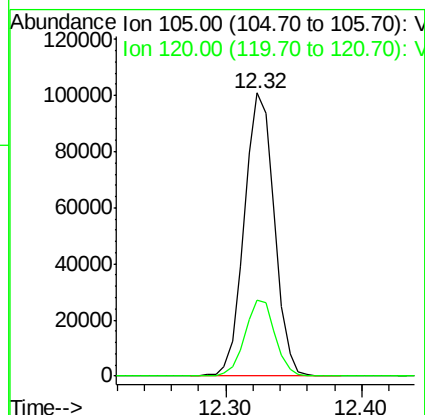
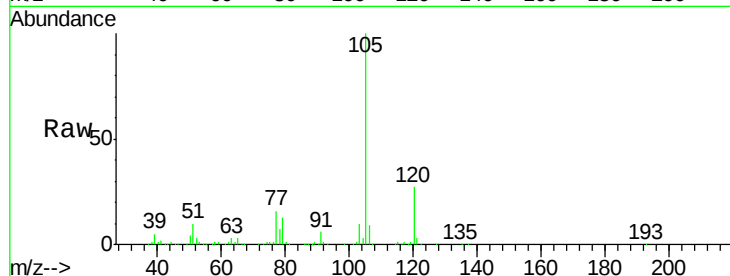
120 26.9 13.5 40.4

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#74

N-ethyl acetate

Concen: 23.665 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Tgt Ion: 43 Resp: 45694

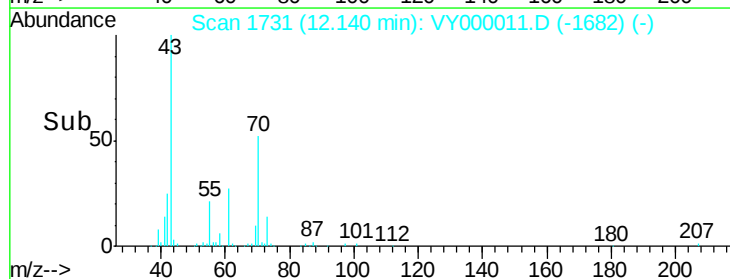
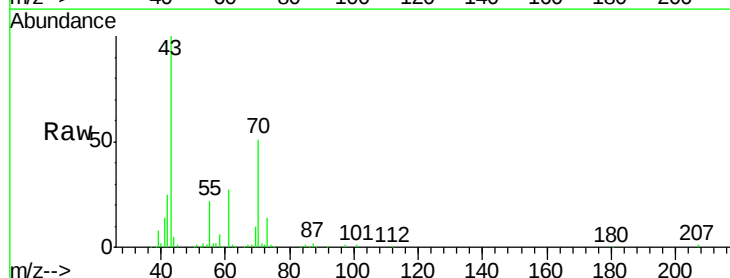
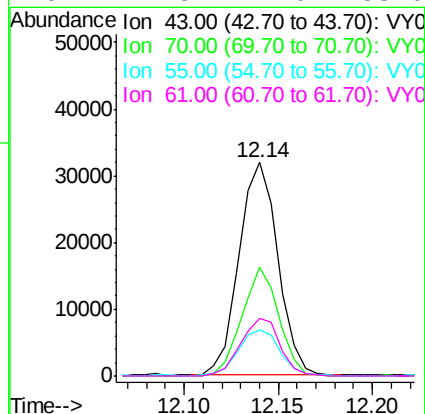
Ion Ratio Lower Upper

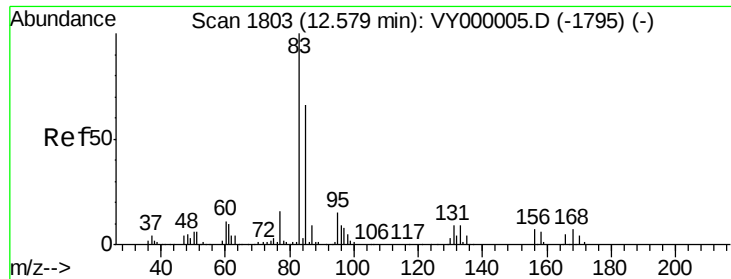
43 100

70 48.6 38.1 57.1

55 23.4 19.9 29.9

61 27.3 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.550 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

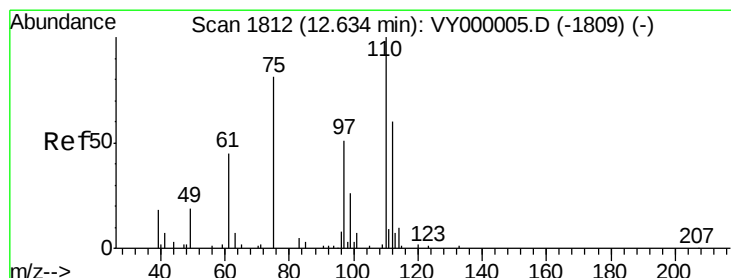
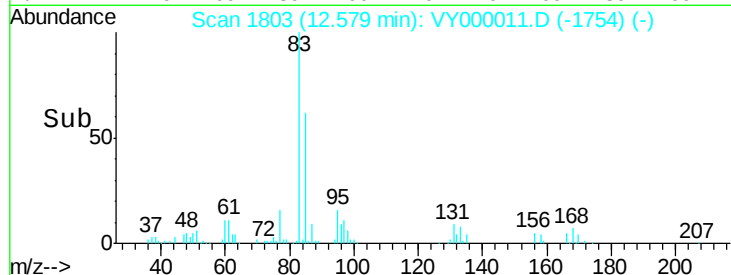
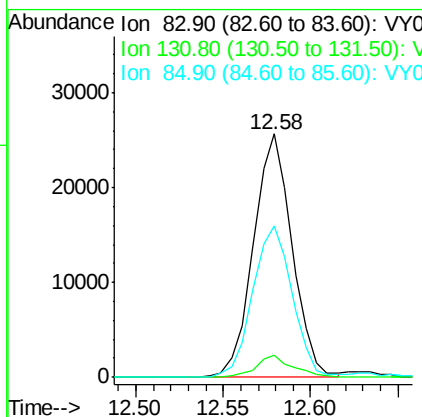
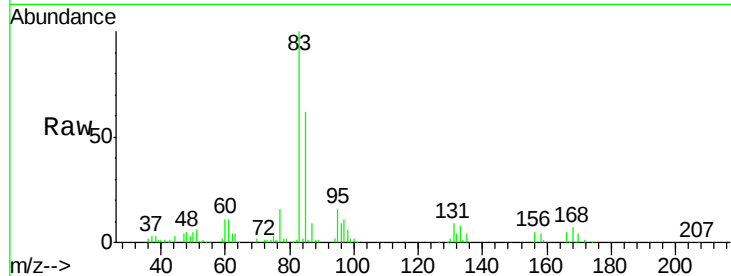
ClientSampleId :

VY0911SBS01

Tot Ion:	83	Resp:	39348
Ion Ratio	Lower	Upper	
83	100		
131	8.7	5.0	14.9
85	63.8	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 25.295 ug/l m

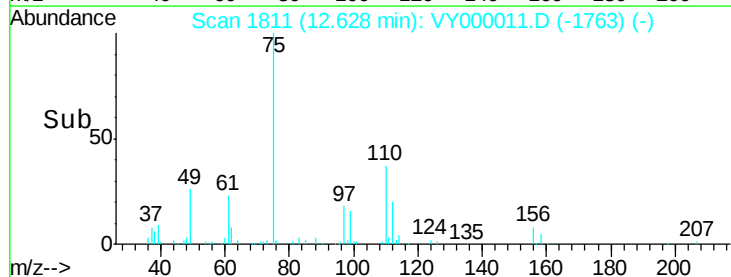
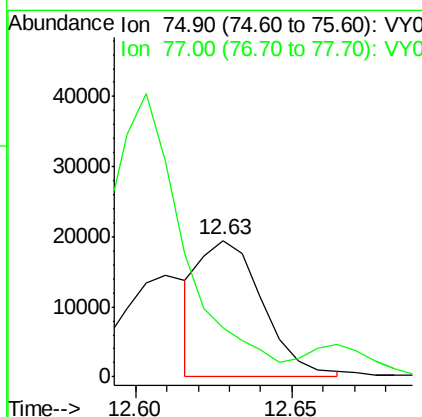
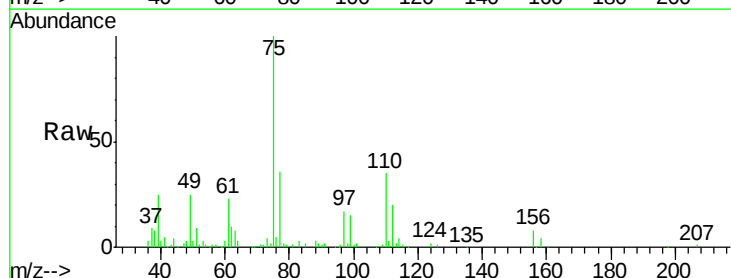
RT: 12.63 min Scan# 1811

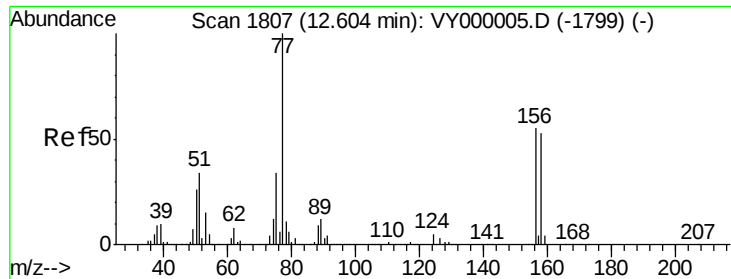
Delta R.T. -0.01 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Tgt Ion:	75	Resp:	27466
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.419 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBSD01

Tot Ion:156 Resp: 33244

Ion Ratio Lower Upper

156 100

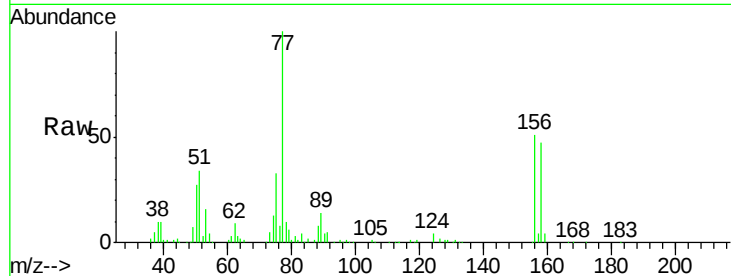
77 209.5 106.5 319.6

158 93.6 48.2 144.6

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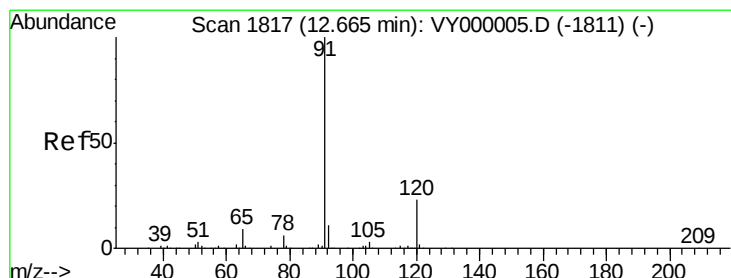
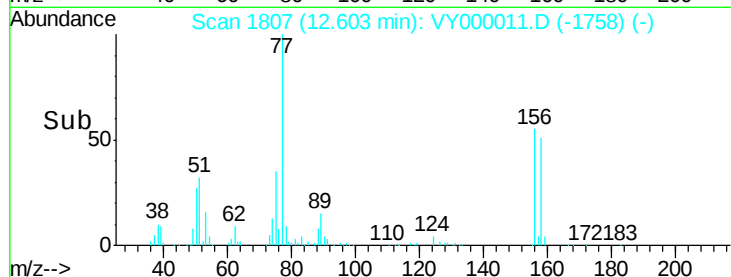
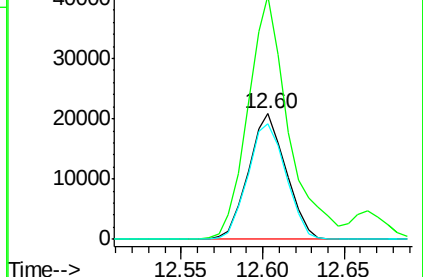
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.856 ug/l

RT: 12.66 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000011.D

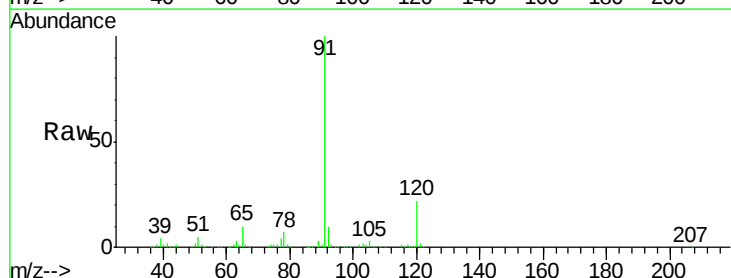
Acq: 11 Sep 2019 20:21

Tgt Ion: 91 Resp: 184022

Ion Ratio Lower Upper

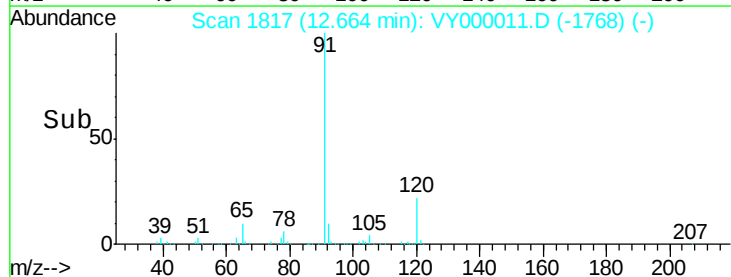
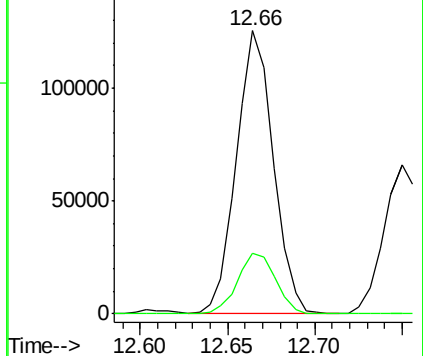
91 100

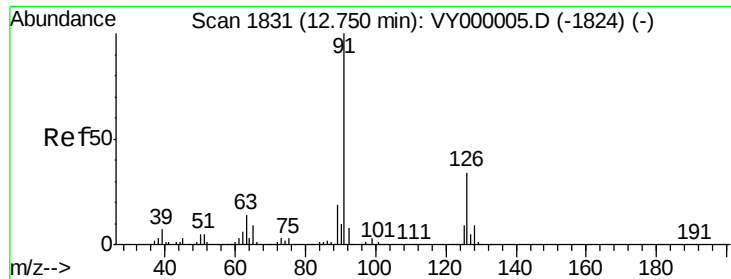
120 22.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





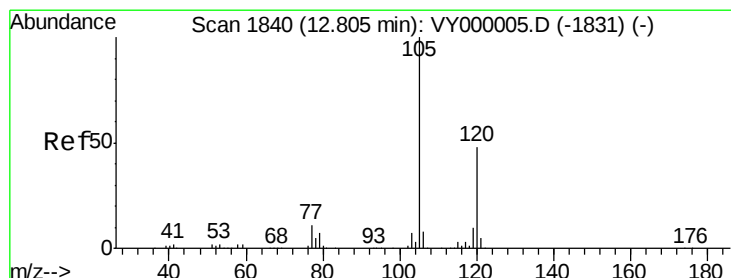
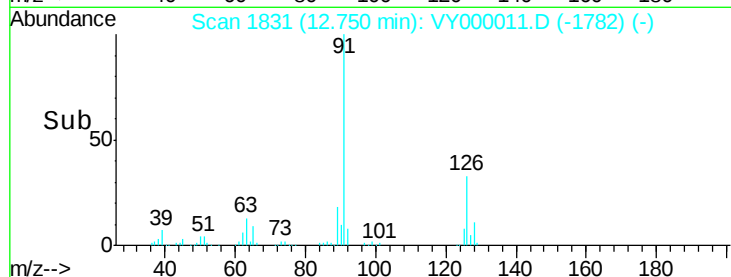
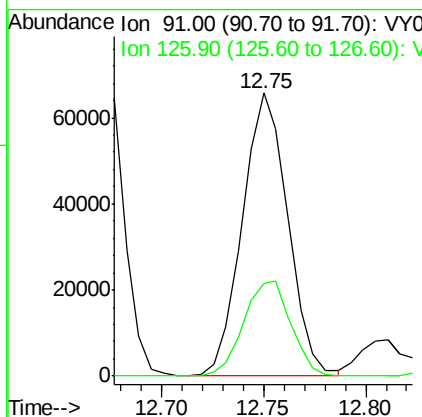
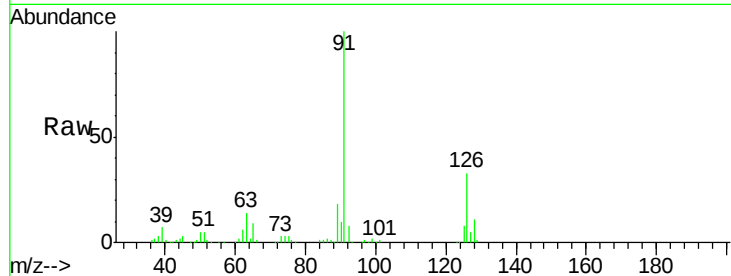
#79
 2-Chlorotoluene
 Concen: 21.803 ug/l
 RT: 12.75 min Scan# 1831
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.2	51.6

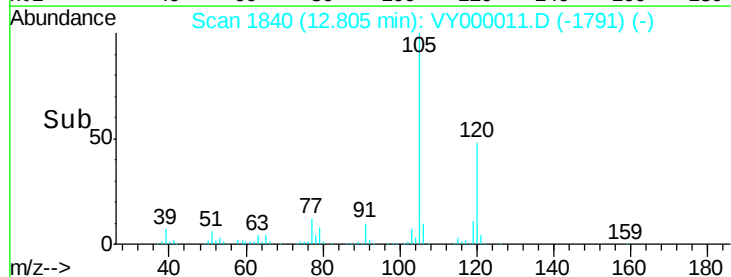
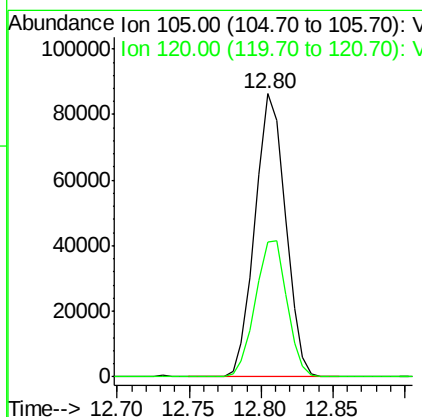
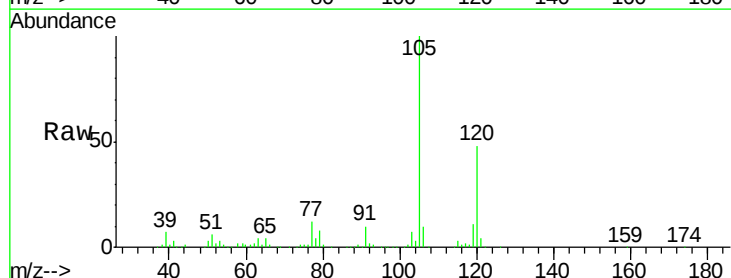
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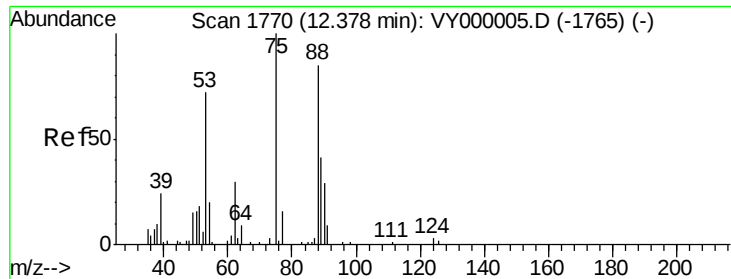
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.988 ug/l
 RT: 12.80 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.7	24.9	74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 23.626 ug/l

RT: 12.37 min Scan# 1769

Delta R.T. -0.01 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

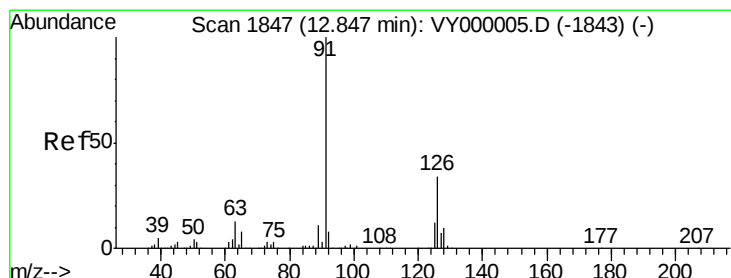
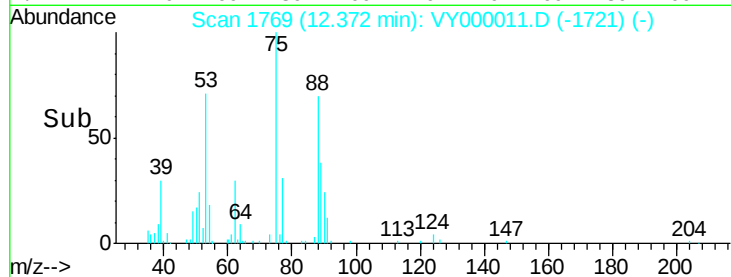
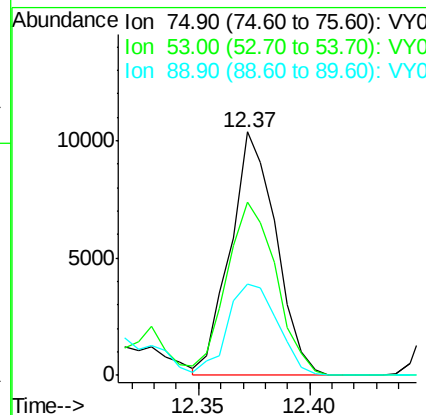
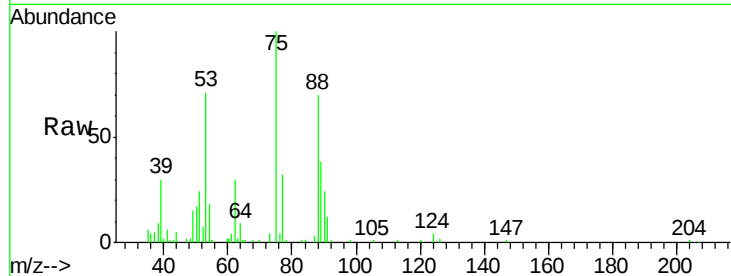
ClientSampleId :

VY0911SBSD01

Tot Ion:	75	Resp:	14820
Ion	Ratio	Lower	Upper
75	100		
53	77.0	63.0	94.6
89	41.2	34.6	52.0

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#82

4-Chlorotoluene

Concen: 22.054 ug/l

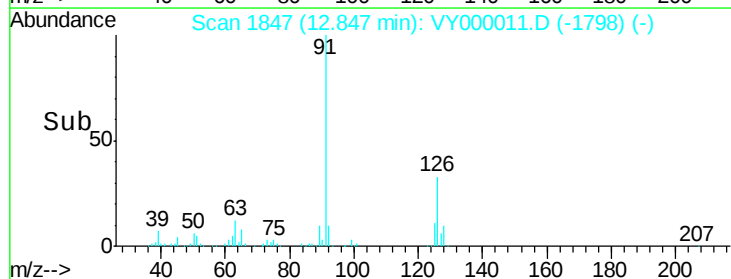
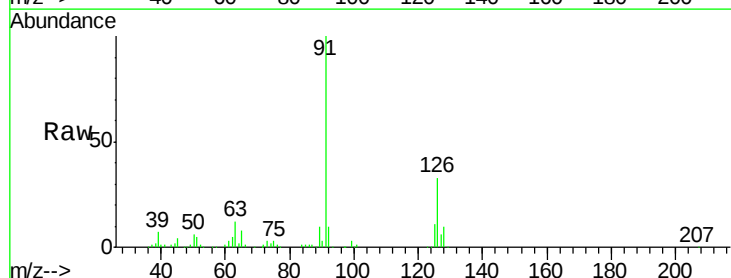
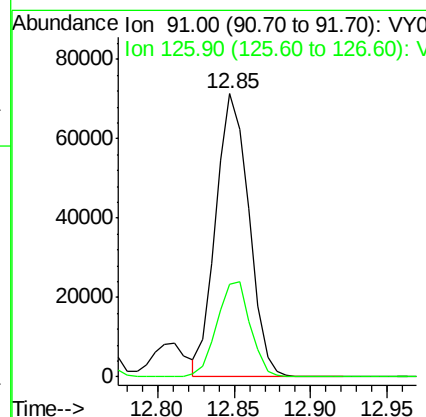
RT: 12.85 min Scan# 1847

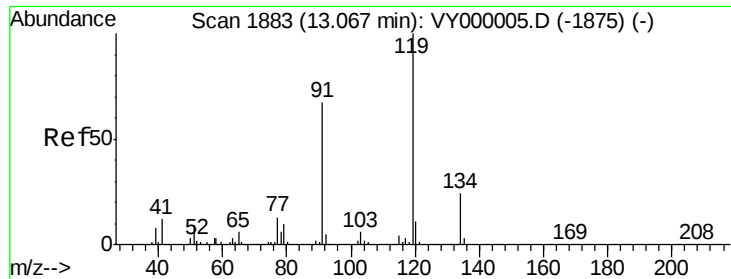
Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Tgt Ion:	91	Resp:	107599
Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.0	50.9





#83

tert-Butylbenzene

Concen: 22.214 ug/l

RT: 13.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

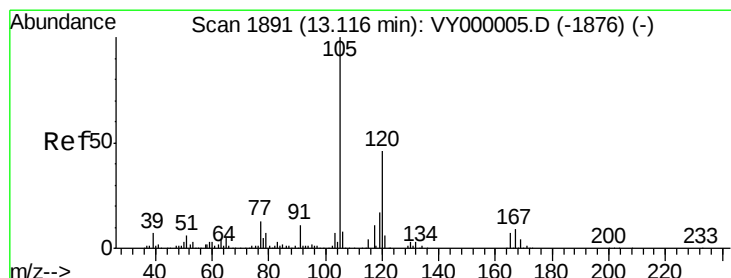
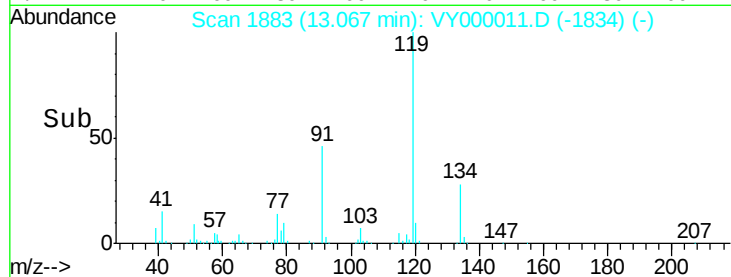
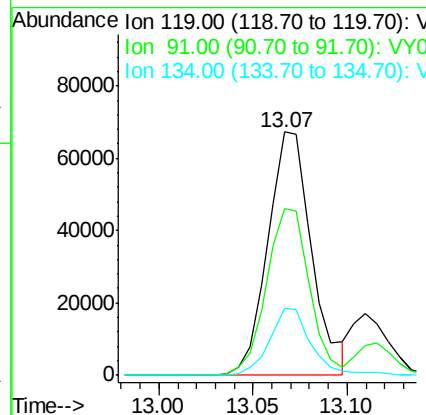
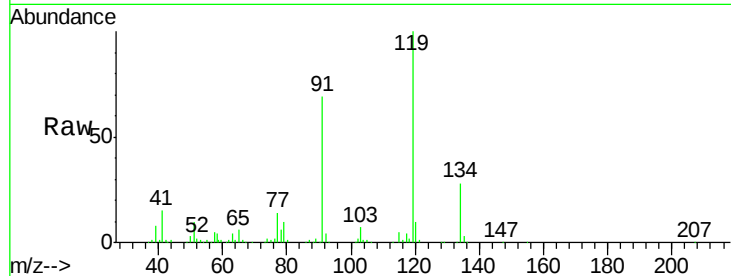
ClientSampleId :

VY0911SBSD01

Tot Ion:	119	Resp:	108702
Ion Ratio	Lower	Upper	
119	100		
91	66.9	33.6	100.8
134	26.5	13.7	41.0

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#84

1,2,4-Trimethylbenzene

Concen: 22.068 ug/l

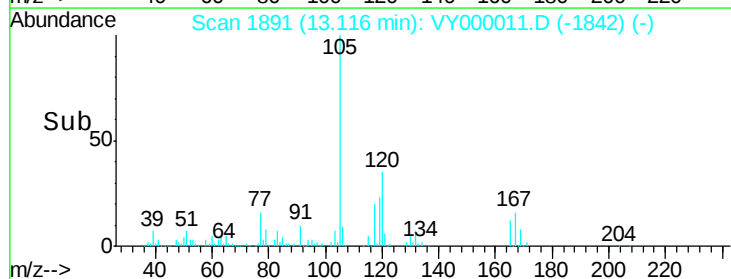
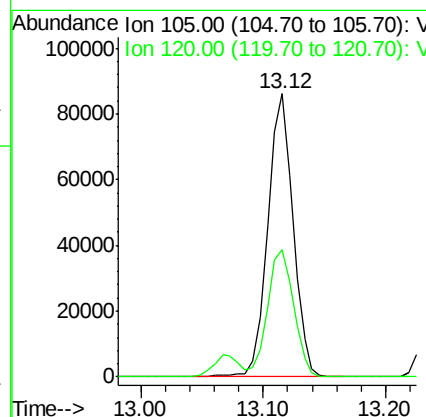
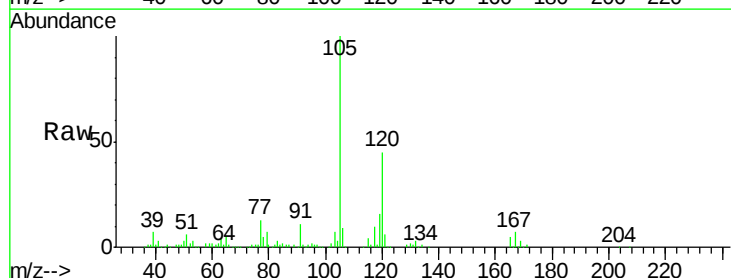
RT: 13.12 min Scan# 1891

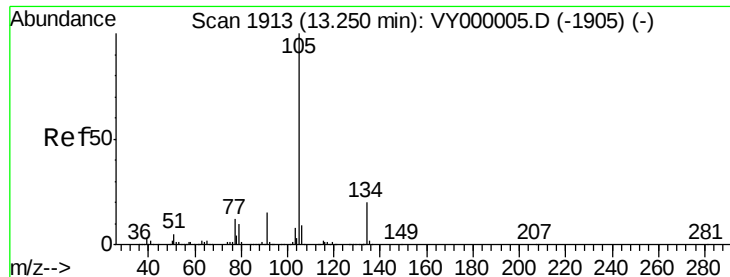
Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Tgt Ion:	105	Resp:	124163
Ion Ratio	Lower	Upper	
105	100		
120	46.7	22.8	68.3





#85

sec-Butylbenzene

Concen: 21.523 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBS01

Tot Ion:105 Resp: 156996

Ion Ratio Lower Upper

105 100

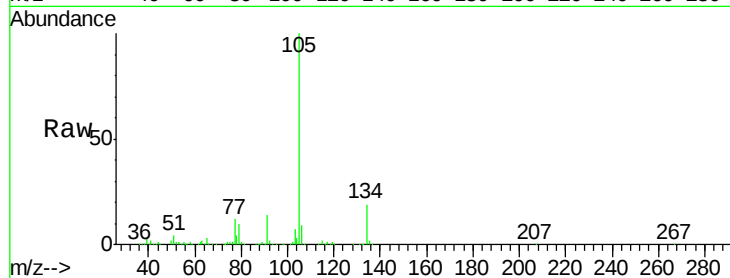
134 19.9 9.9 29.7

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

120000

100000

80000

60000

40000

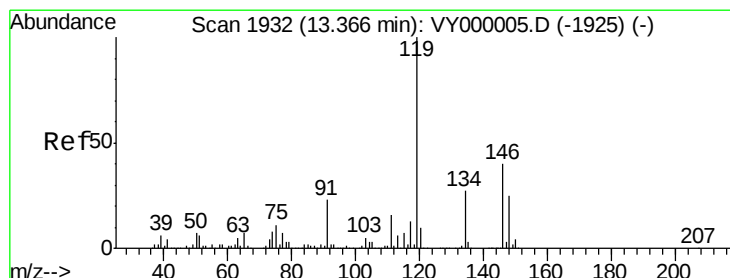
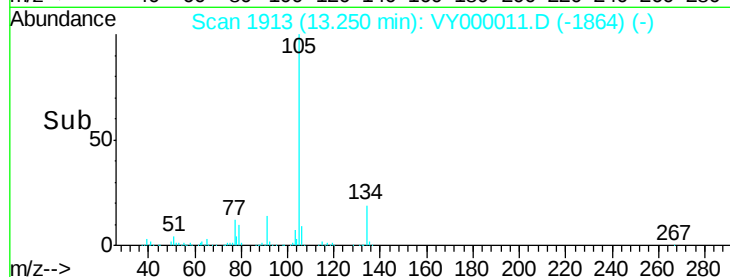
20000

0

13.25

13.30

Time-->



#86

p-Isopropyltoluene

Concen: 21.515 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

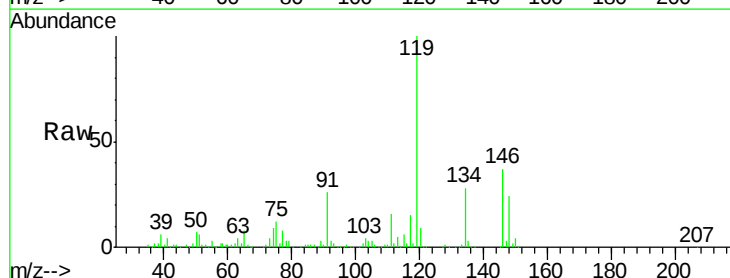
Tgt Ion:119 Resp: 132001

Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.1

91 25.8 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

120000

100000

80000

60000

40000

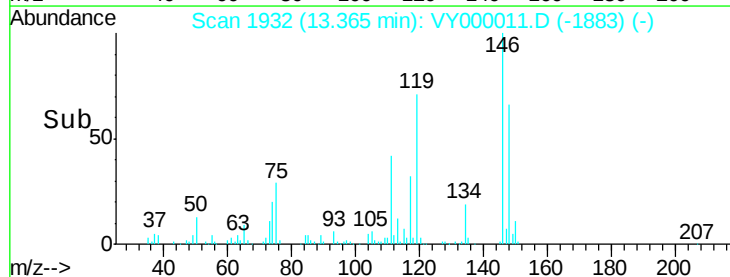
20000

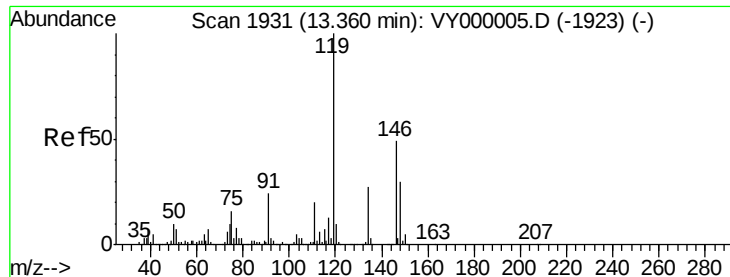
0

13.37

13.40

Time-->





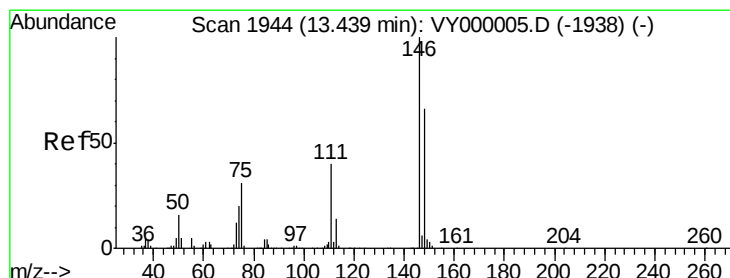
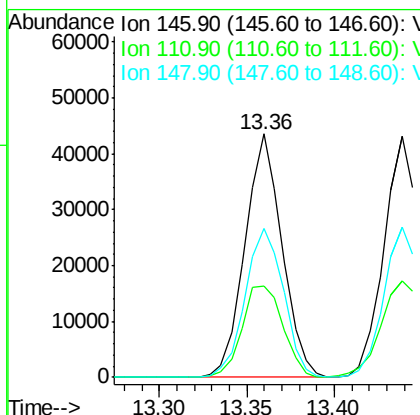
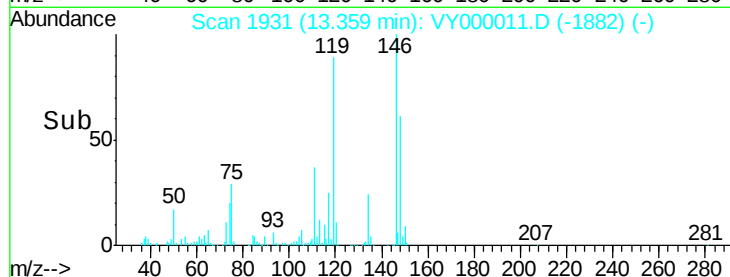
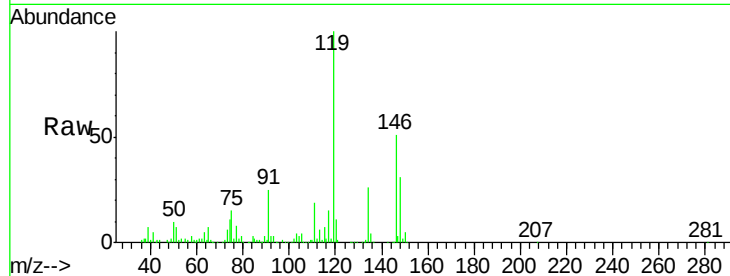
#87
 1,3-Dichlorobenzene
 Concen: 22.399 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.6	61.9
148	63.5	31.3	93.9

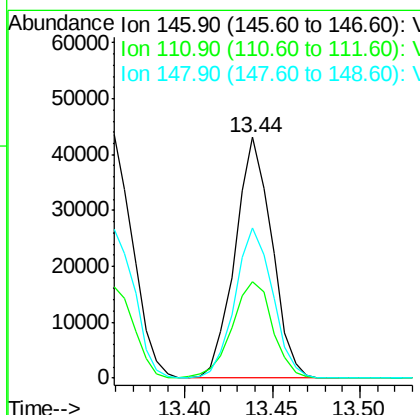
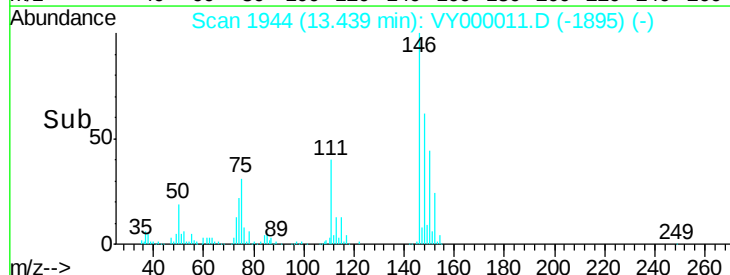
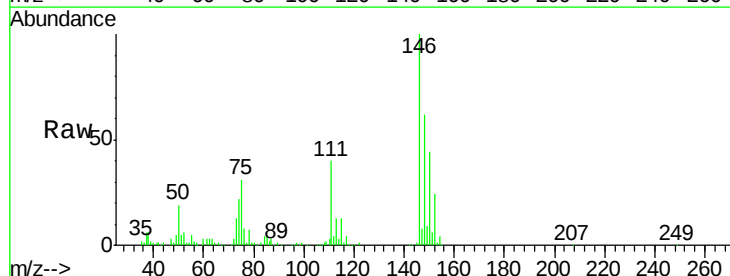
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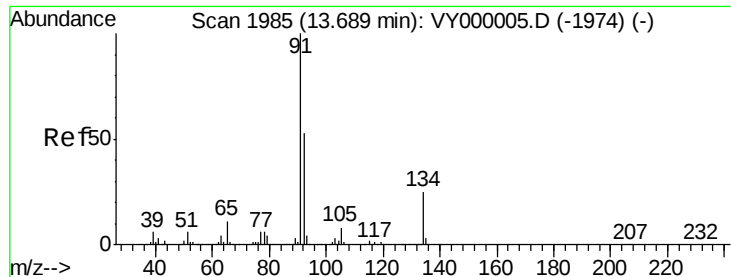
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#88
 1,4-Dichlorobenzene
 Concen: 21.905 ug/l
 RT: 13.44 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	20.3	60.9
148	64.1	31.9	95.7





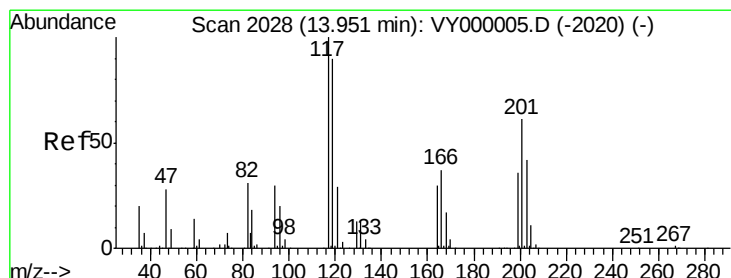
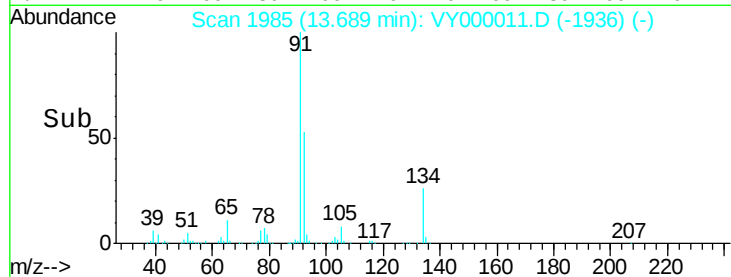
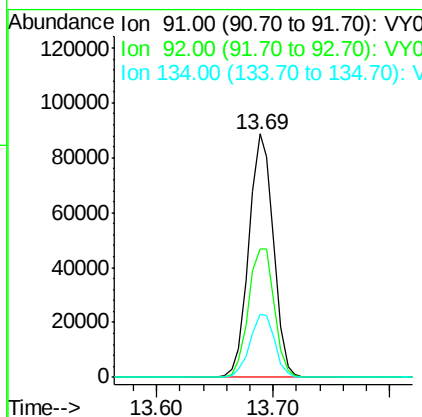
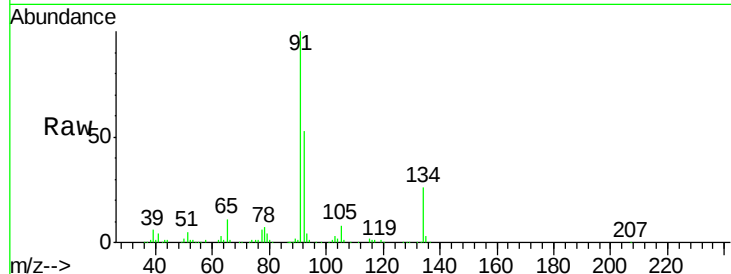
#89
n-Butylbenzene
Concen: 21.304 ug/l
RT: 13.69 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.0	80.8
134	26.3	12.7	38.0

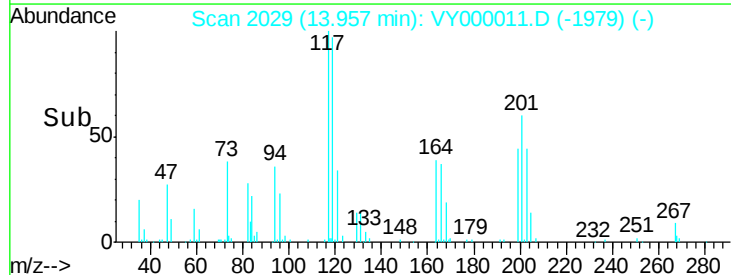
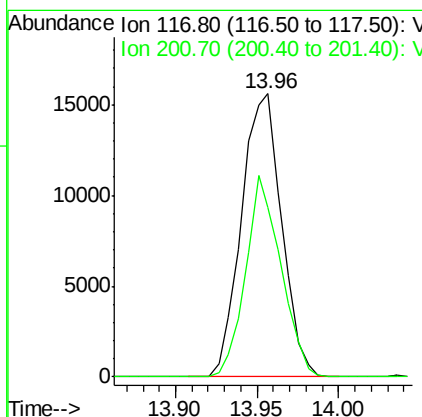
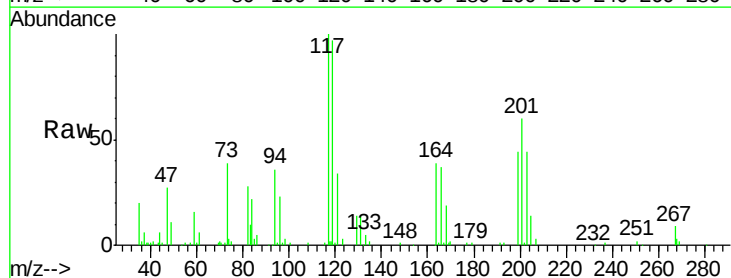
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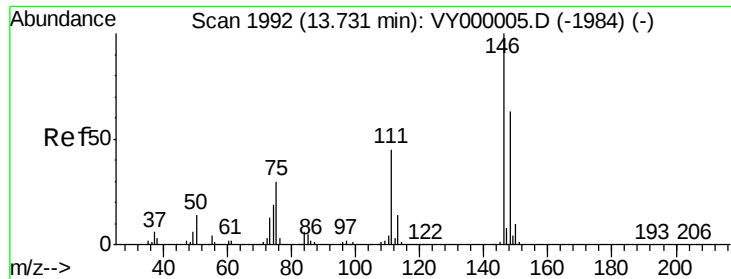
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#90
Hexachloroethane
Concen: 21.535 ug/l
RT: 13.96 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.3	32.3	96.8





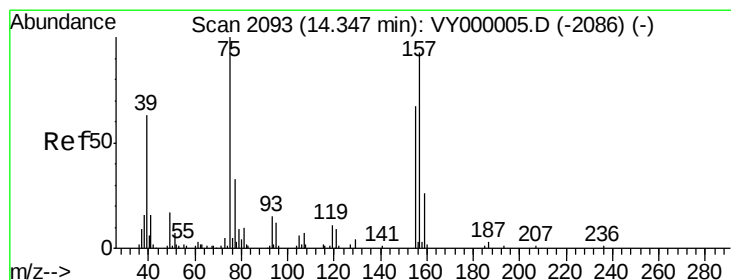
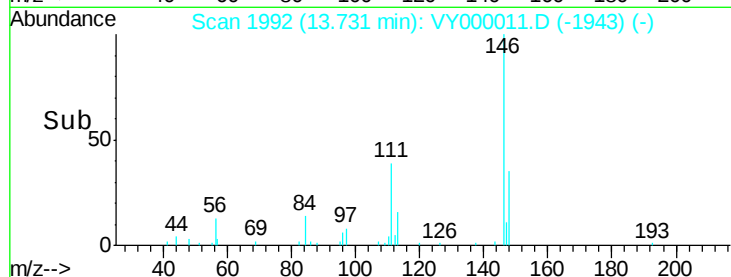
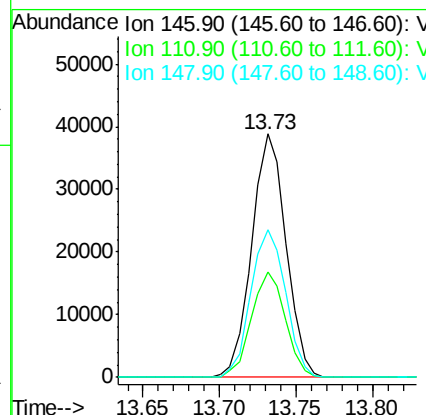
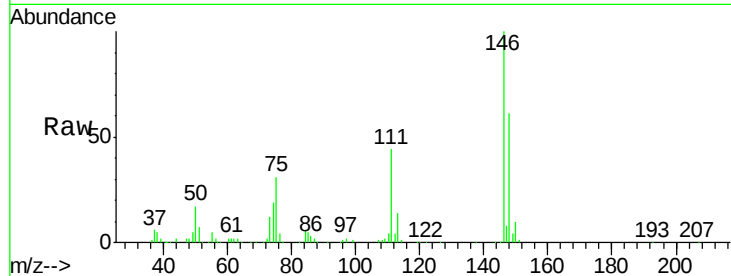
#91
 1,2-Dichlorobenzene
 Concen: 22.478 ug/l
 RT: 13.73 min Scan# 1992
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.9	65.5
148	61.4	31.9	95.5

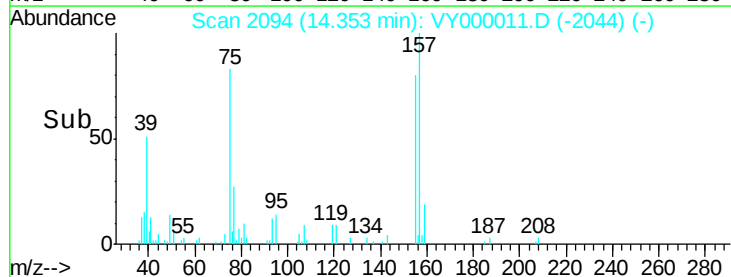
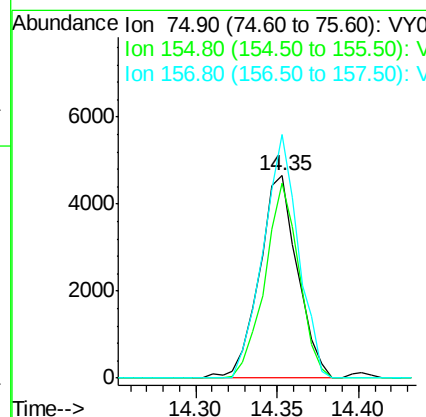
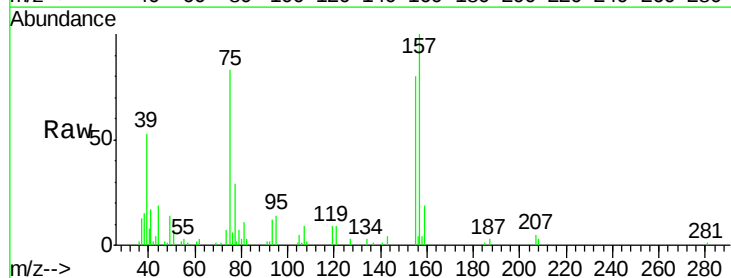
Manual Integrations
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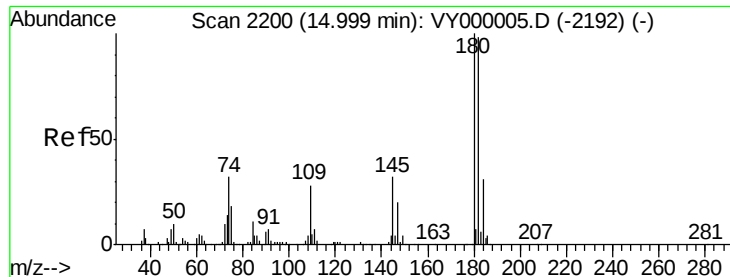
MMDadoda
 9/13/2019 11:51:38 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.377 ug/l
 RT: 14.35 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.7	41.4	124.2
157	110.4	52.8	158.4





#93

1,2,4-Trichlorobenzene

Concen: 21.993 ug/l

RT: 15.00 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

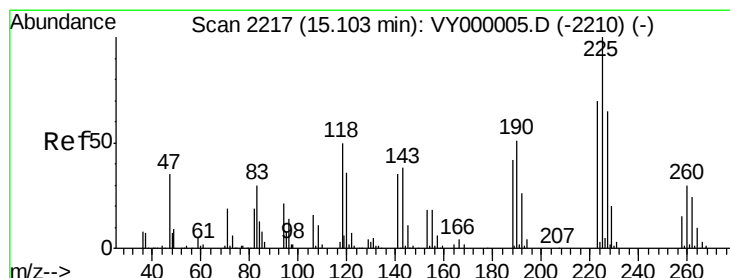
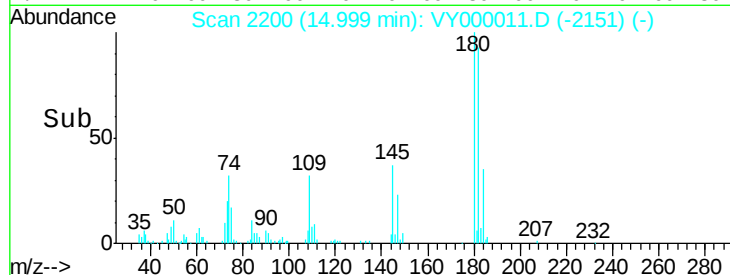
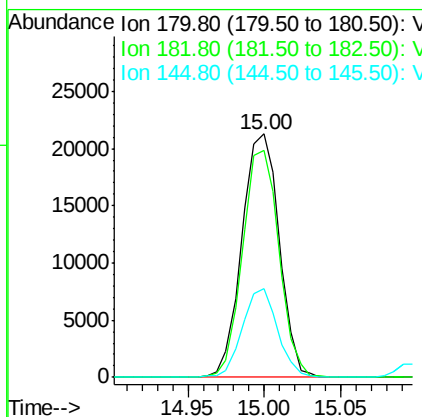
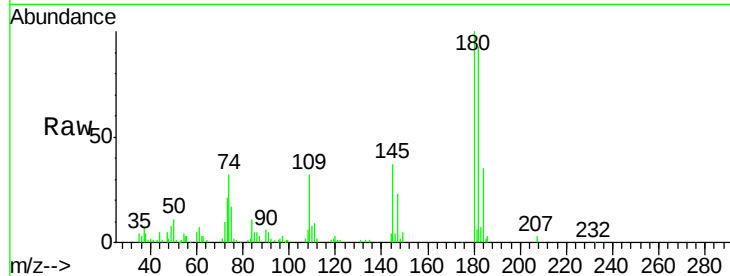
ClientSampleId :

VY0911SBSD01

Tot Ion:	180	Resp:	36130
Ion Ratio	Lower	Upper	
180	100		
182	91.2	48.4	145.2
145	34.3	17.2	51.6

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:51:38 PM



#94

Hexachlorobutadiene

Concen: 21.610 ug/l

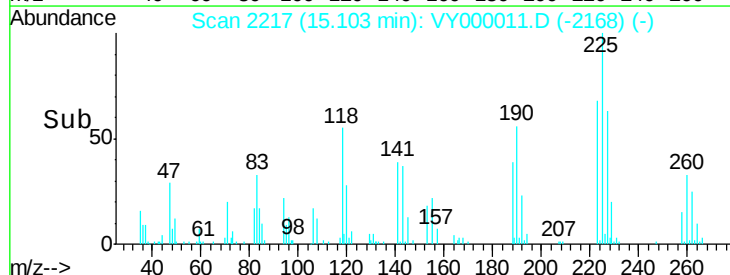
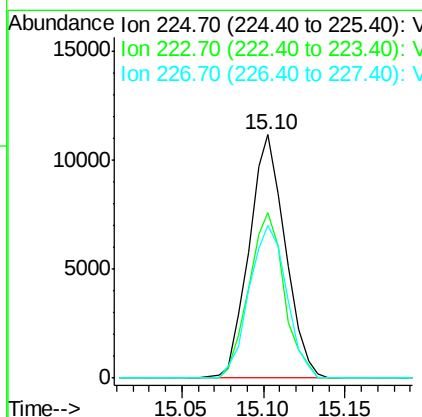
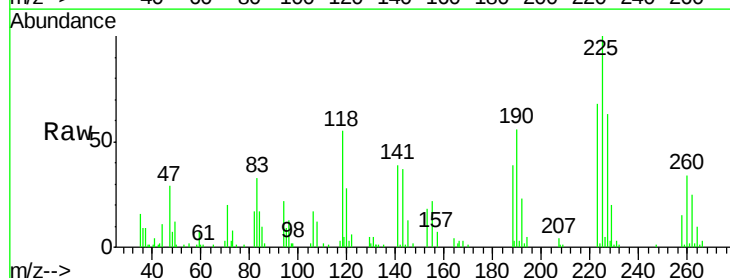
RT: 15.10 min Scan# 2217

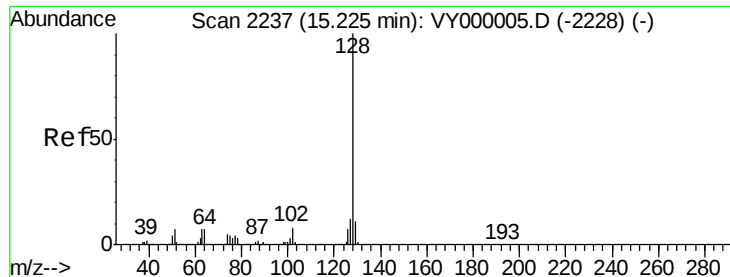
Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Tgt Ion:	225	Resp:	17190
Ion Ratio	Lower	Upper	
225	100		
223	66.2	32.3	96.8
227	64.9	31.8	95.4





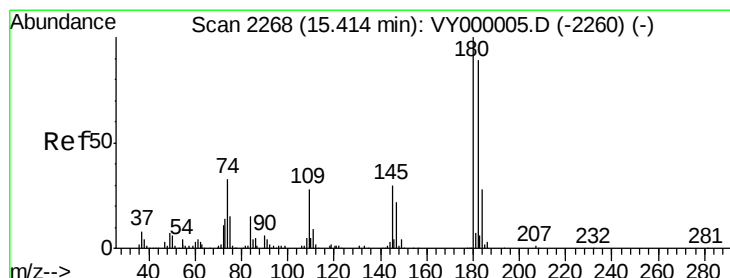
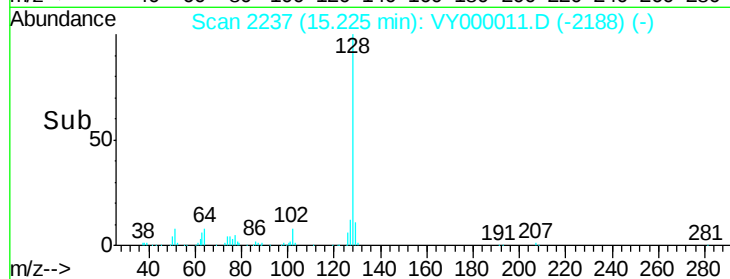
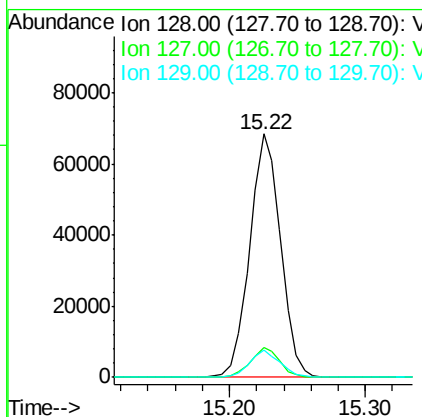
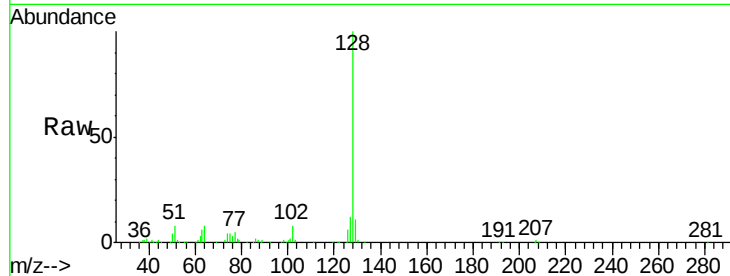
#95
Naphthalene
Concen: 24.196 ug/l
RT: 15.22 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBSD01

Tot Ion:	128	Resp:	108669
Ion Ratio	Lower	Upper	
128	100		
127	11.6	9.8	14.8
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:51:38 PM



#96
1,2,3-Trichlorobenzene
Concen: 23.243 ug/l
RT: 15.41 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion:	180	Resp:	34242
Ion Ratio	Lower	Upper	
180	100		
182	91.3	46.1	138.2
145	37.1	16.2	48.6

