

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061620\
 Data File : VY002904.D
 Acq On : 16 Jun 2020 12:59
 Operator : SY/MD
 Sample : VY0616SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0616SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/18/2020 11:14:26 AM

Quant Time: Jun 17 02:29:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	260169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	383521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	362452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	201115	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	112930	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
35) Dibromofluoromethane	7.72	113	114961	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
50) Toluene-d8	10.18	98	444040	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
62) 4-Bromofluorobenzene	12.48	95	159315	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	34351	19.189	ug/l	100
3) Chloromethane	2.12	50	42571	21.499	ug/l	99
4) Vinyl Chloride	2.26	62	42408	20.263	ug/l	95
5) Bromomethane	2.65	94	33121	21.118	ug/l	98
6) Chloroethane	2.79	64	29155	21.489	ug/l	95
7) Trichlorofluoromethane	3.13	101	81521	21.993	ug/l	98
8) Diethyl Ether	3.54	74	29322	20.259	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	48131	21.869	ug/l	96
10) Methyl Iodide	4.10	142	64406	20.914	ug/l	98
11) Tert butyl alcohol	4.97	59	31584	123.630	ug/l #	88
12) 1,1-Dichloroethene	3.88	96	47880	21.633	ug/l	98
13) Acrolein	3.74	56	18974	71.674	ug/l	100
14) Allyl chloride	4.49	41	69016	21.742	ug/l	99
15) Acrylonitrile	5.18	53	73137	112.009	ug/l	99
16) Acetone	3.96	43	61540	116.178	ug/l	99
17) Carbon Disulfide	4.20	76	129088	19.301	ug/l	99
18) Methyl Acetate	4.49	43	35267	26.070	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	136645	22.363	ug/l	100
20) Methylene Chloride	4.72	84	62399	24.105	ug/l	95
21) trans-1,2-Dichloroethene	5.23	96	52547	21.111	ug/l	95
22) Diisopropyl ether	6.13	45	144844	21.958	ug/l	94
23) Vinyl Acetate	6.07	43	471651	108.296	ug/l	99
24) 1,1-Dichloroethane	6.03	63	84770	21.968	ug/l	99
25) 2-Butanone	7.00	43	94151	114.084	ug/l	99
26) 2,2-Dichloropropane	6.99	77	82558	22.308	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	60672	21.774	ug/l	99
28) Bromochloromethane	7.34	49	35413	22.355	ug/l	100
29) Tetrahydrofuran	7.36	42	59807	111.411	ug/l	99
30) Chloroform	7.52	83	91216	22.276	ug/l	94
31) Cyclohexane	7.79	56	79007	20.622	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	84285	22.089	ug/l	99
36) 1,1-Dichloropropene	7.92	75	69181	21.414	ug/l	99
37) Ethyl Acetate	7.08	43	40978	23.313	ug/l	99
38) Carbon Tetrachloride	7.91	117	79702	22.208	ug/l	99

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 APPROVED

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	88961	20.891	ug/l	99
40) Benzene	8.17	78	207493	21.736	ug/l	100
41) Methacrylonitrile	7.32	41	18975m	20.094	ug/l	
42) 1,2-Dichloroethane	8.24	62	59585	22.272	ug/l	100
43) Isopropyl Acetate	8.28	43	74125	22.254	ug/l	99
44) Trichloroethene	8.94	130	65272	21.647	ug/l	99
45) 1,2-Dichloropropane	9.22	63	50677	22.137	ug/l	98
46) Dibromomethane	9.31	93	30108	22.145	ug/l	99
47) Bromodichloromethane	9.50	83	72532	22.630	ug/l	96
48) Methyl methacrylate	9.30	41	33218	22.091	ug/l	99
49) 1,4-Dioxane	9.30	88	9146	438.123	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	198221	112.382	ug/l	100
52) Toluene	10.24	92	137464	22.013	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	79279	22.646	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	88673	22.354	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	46896	22.531	ug/l	94
56) Ethyl methacrylate	10.51	69	62713	22.495	ug/l	99
57) 1,3-Dichloropropane	10.79	76	77319	22.585	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	153375	112.591	ug/l	100
59) 2-Hexanone	10.83	43	143703	114.828	ug/l	100
60) Dibromochloromethane	10.99	129	59732	22.636	ug/l	99
61) 1,2-Dibromoethane	11.09	107	46177	22.490	ug/l	99
64) Tetrachloroethene	10.72	164	69877	21.212	ug/l	99
65) Chlorobenzene	11.52	112	156113	21.792	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	59567	22.078	ug/l	99
67) Ethyl Benzene	11.60	91	270140	21.751	ug/l	98
68) m/p-Xylenes	11.70	106	211005	43.820	ug/l	99
69) o-Xylene	12.03	106	98589	21.688	ug/l	97
70) Styrene	12.04	104	172088	21.838	ug/l	99
71) Bromoform	12.20	173	41082	22.756	ug/l	# 99
73) Isopropylbenzene	12.33	105	273734	21.239	ug/l	99
74) N-amyl acetate	12.14	43	71137	21.512	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	52055	23.020	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	40649m	22.431	ug/l	
77) Bromobenzene	12.61	156	70467	20.998	ug/l	99
78) n-propylbenzene	12.67	91	317100	21.300	ug/l	99
79) 2-Chlorotoluene	12.75	91	176532	21.139	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	231817	21.542	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	20326	21.132	ug/l	97
82) 4-Chlorotoluene	12.86	91	186131	21.273	ug/l	100
83) tert-Butylbenzene	13.08	119	207348	21.601	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	234501	21.672	ug/l	99
85) sec-Butylbenzene	13.25	105	284608	21.685	ug/l	100
86) p-Isopropyltoluene	13.37	119	266895	21.854	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	138172	21.736	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	138080	21.714	ug/l	99
89) n-Butylbenzene	13.70	91	242924	21.909	ug/l	99
90) Hexachloroethane	13.96	117	50119	21.921	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	128242	22.245	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9544	21.937	ug/l	97

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

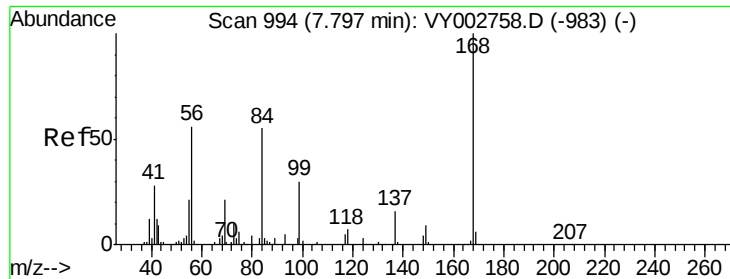
Manual Integrations
APPROVED

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6/18/2020 11:14:26 AM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
Quant Title : SW846 8260
QLast Update : Wed May 27 13:13:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	98346	22.632	ug/l	100
94) Hexachlorobutadiene	15.11	225	55945	22.699	ug/l	99
95) Naphthalene	15.23	128	192548	22.100	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	87935	22.662	ug/l	97

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



#1

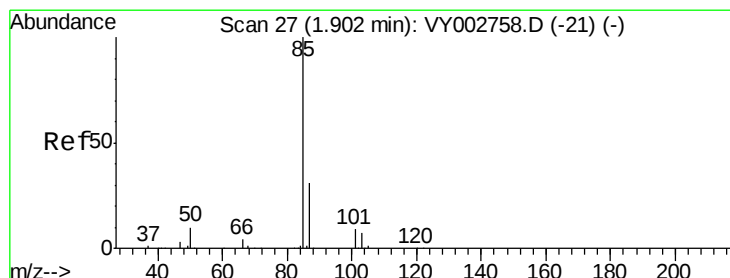
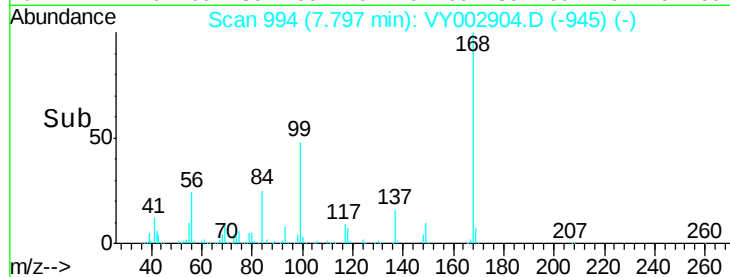
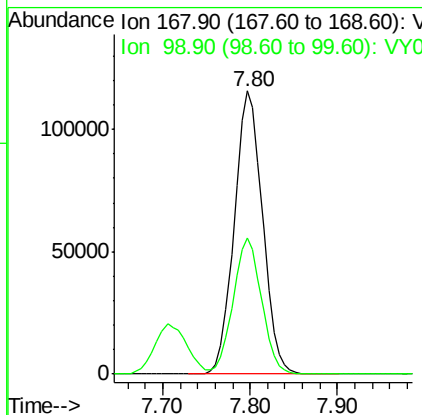
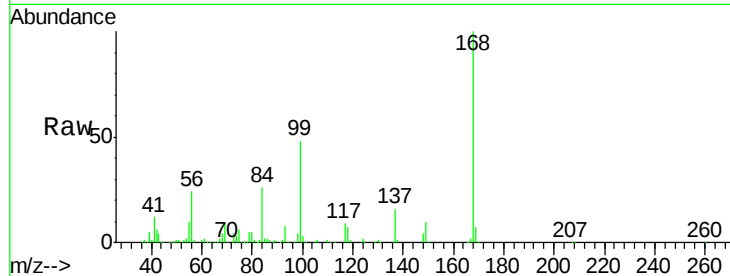
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VY002904.D
 Acq: 16 Jun 2020 12:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0616SBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.1	39.0	58.4

Manual Integrations
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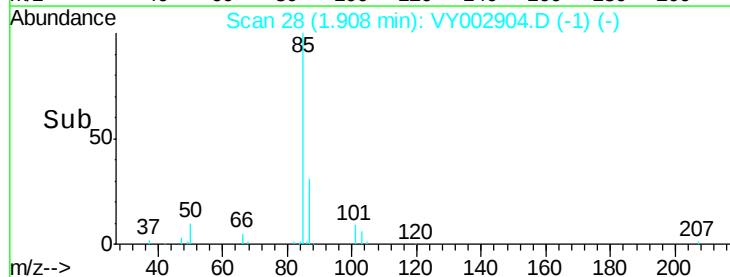
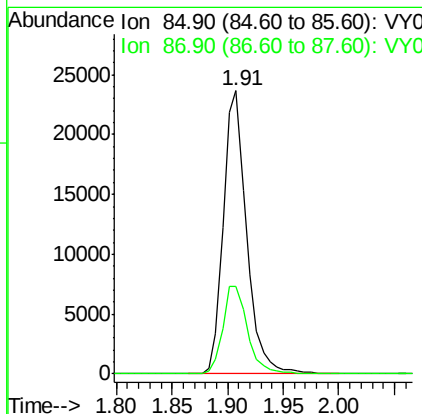
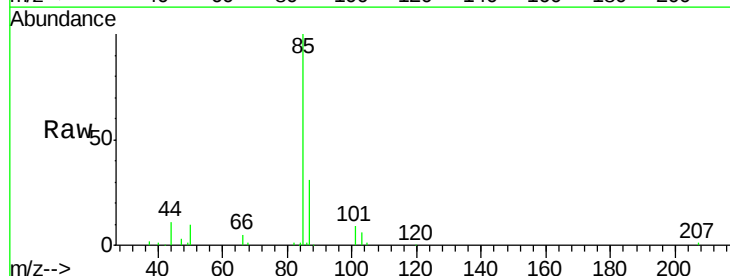
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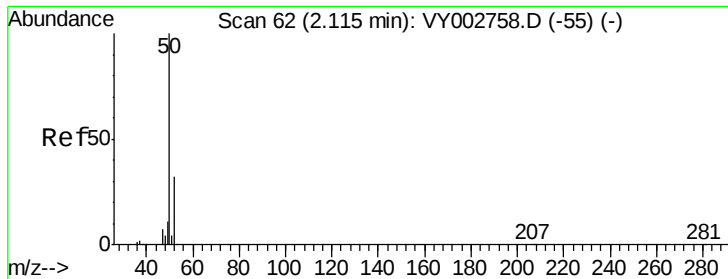


#2

Dichlorodifluoromethane
 Concen: 19.189 ug/l
 RT: 1.91 min Scan# 28
 Delta R.T. 0.01 min
 Lab File: VY002904.D
 Acq: 16 Jun 2020 12:59

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.0	15.5	46.5





#3

Chloromethane

Concen: 21.499 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion: 50 Resp: 42571

Ion Ratio Lower Upper

50 100

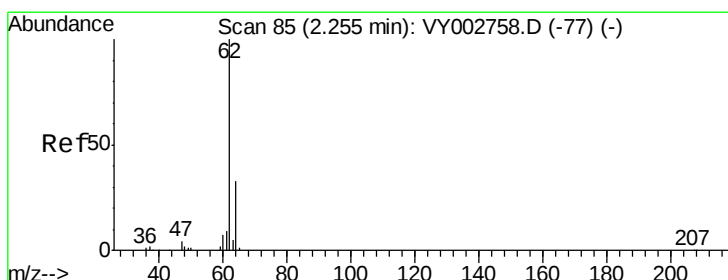
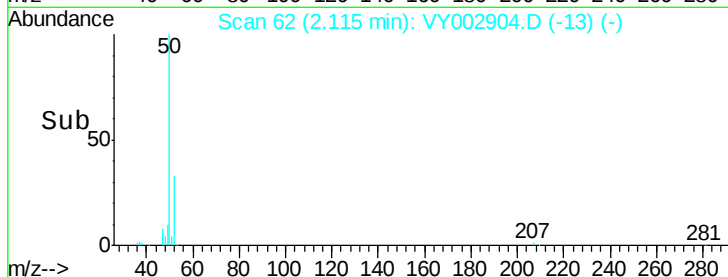
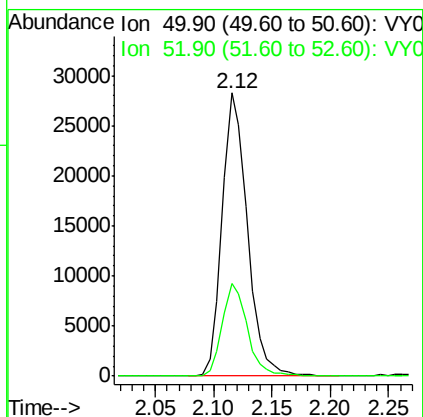
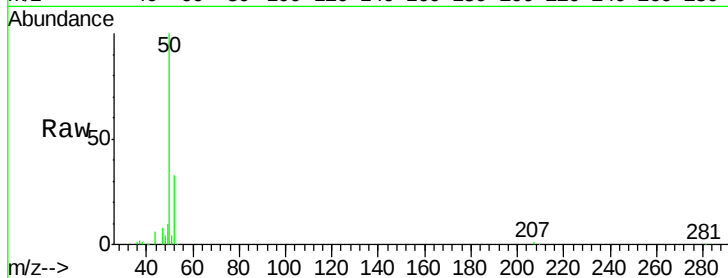
52 32.7 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.263 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY002904.D

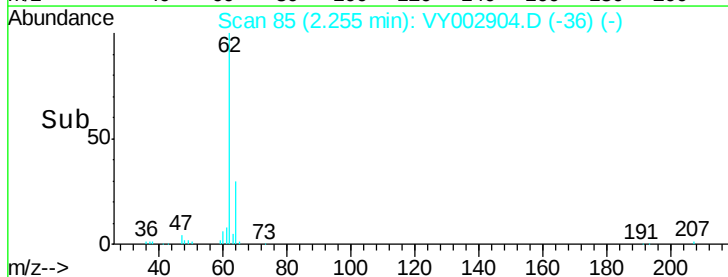
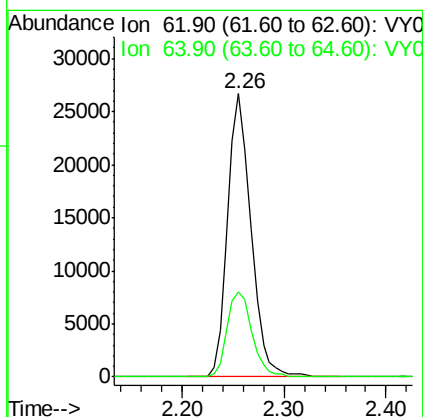
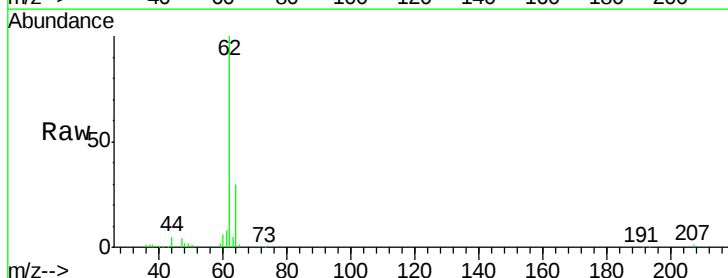
Acq: 16 Jun 2020 12:59

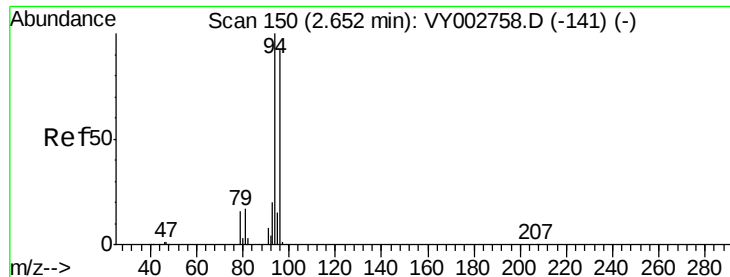
Tgt Ion: 62 Resp: 42408

Ion Ratio Lower Upper

62 100

64 30.0 26.1 39.1





#5

Bromomethane

Concen: 21.118 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion: 94 Resp: 33121

Ion Ratio Lower Upper

94 100

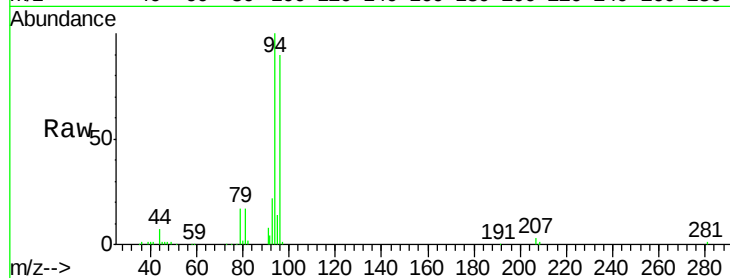
96 90.4 73.7 110.5

Manual Integrations

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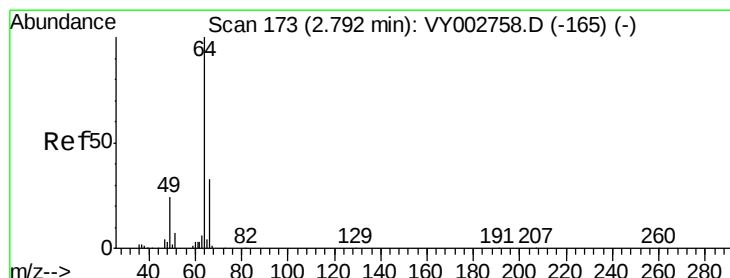
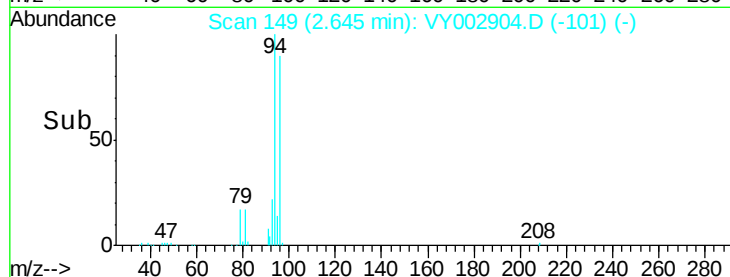
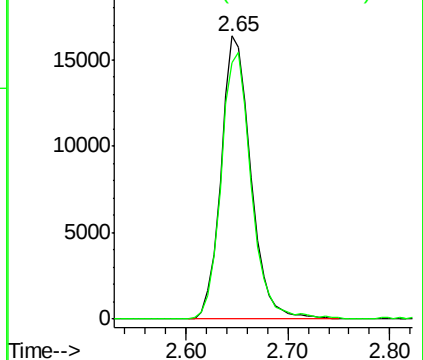
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 21.489 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY002904.D

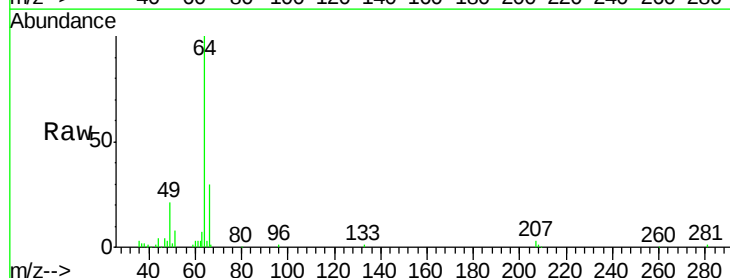
Acq: 16 Jun 2020 12:59

Tgt Ion: 64 Resp: 29155

Ion Ratio Lower Upper

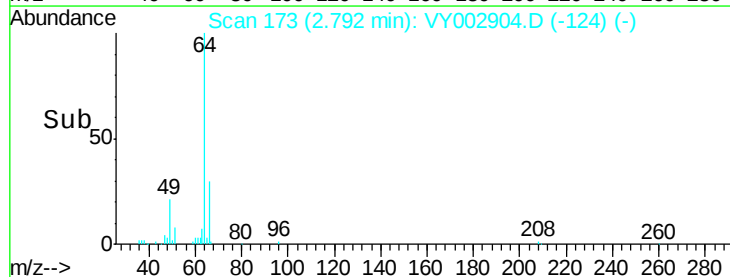
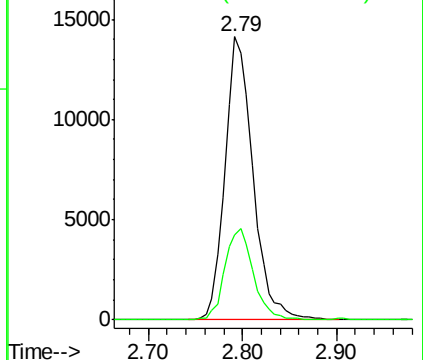
64 100

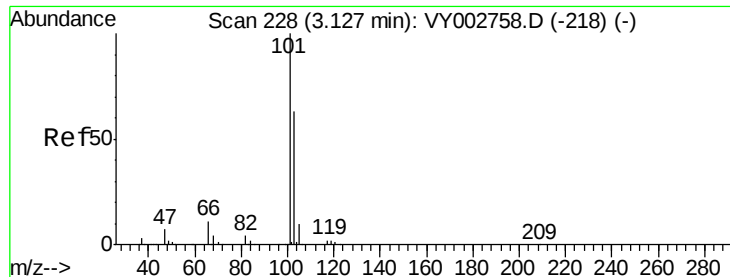
66 30.2 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

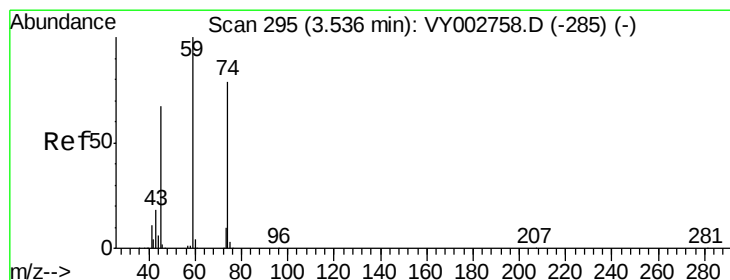
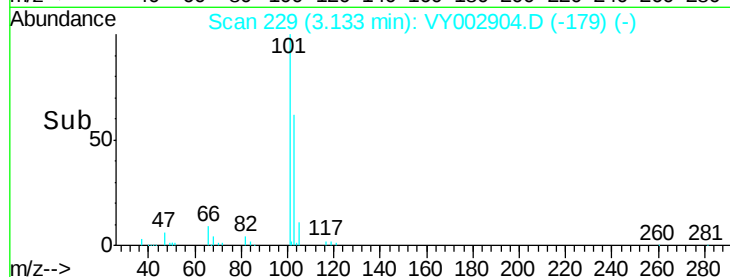
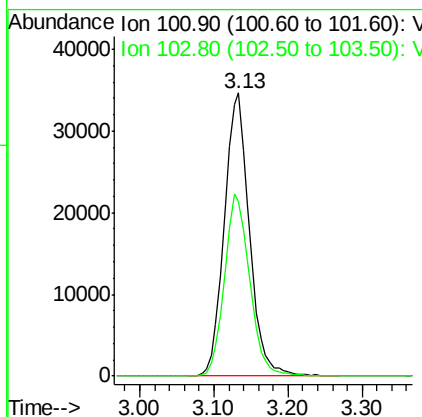
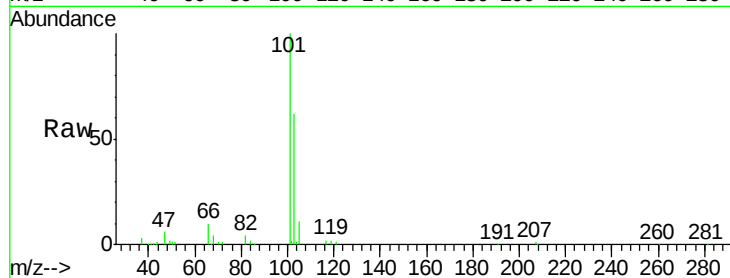
Trichlorofluoromethane
Concen: 21.993 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.8	50.6	76.0

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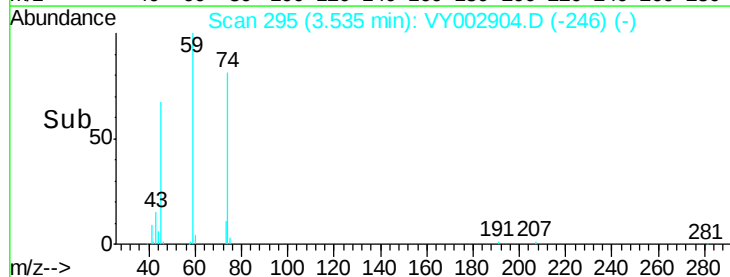
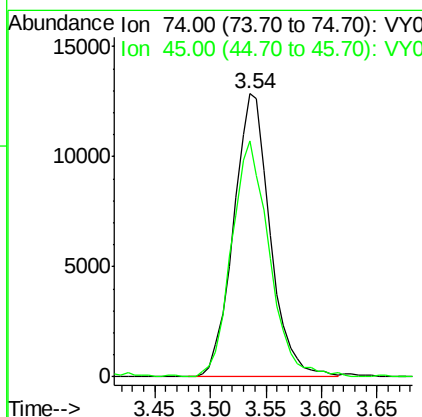
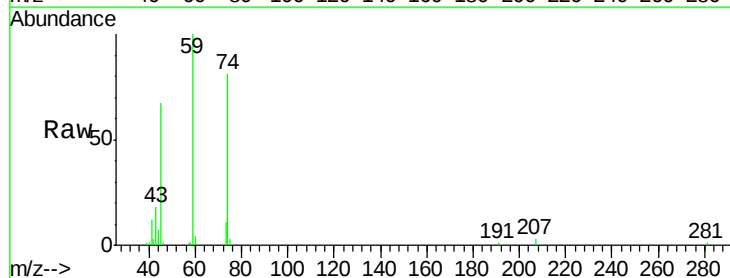
MMDadoda
6/18/2020 11:14:26 AM

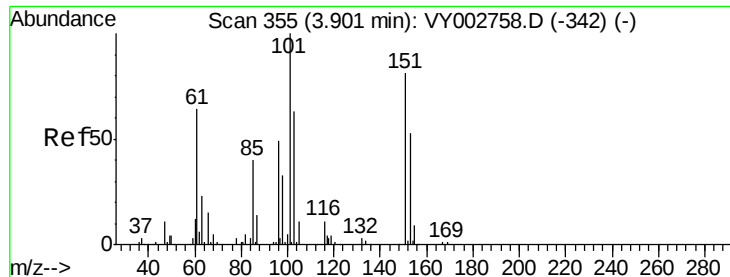


#8

Diethyl Ether
Concen: 20.259 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.9	44.0	131.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.869 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Instrument :

MSVOA_Y

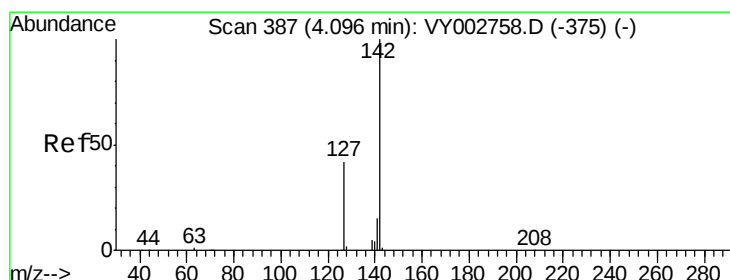
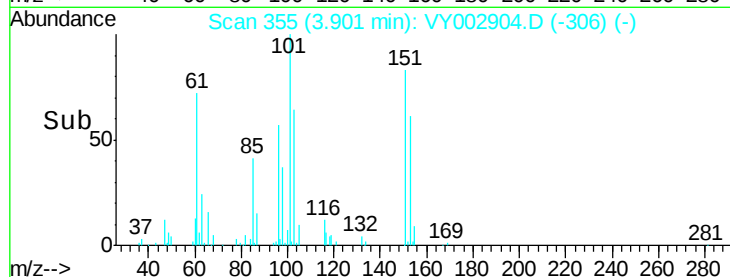
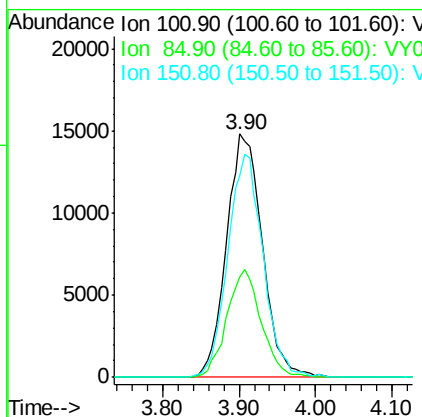
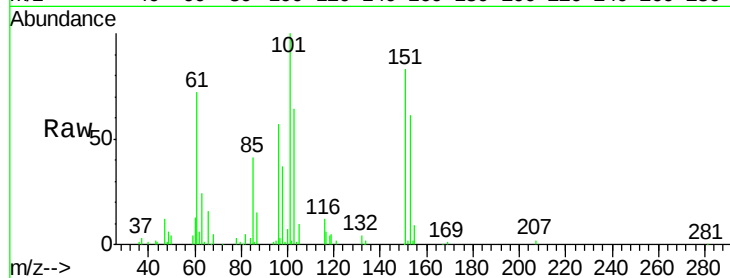
ClientSampleId :

VY0616SBS01

Tot Ion:	101	Resp:	48131
Ion Ratio	Lower	Upper	
101	100		
85	42.2	32.7	49.1
151	89.8	68.0	102.0

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#10

Methyl Iodide

Concen: 20.914 ug/l

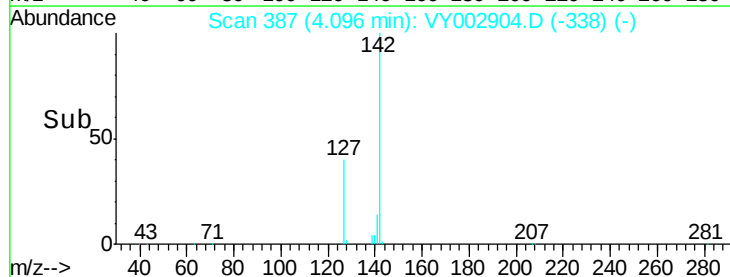
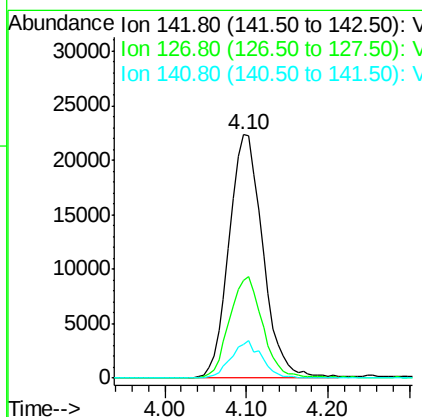
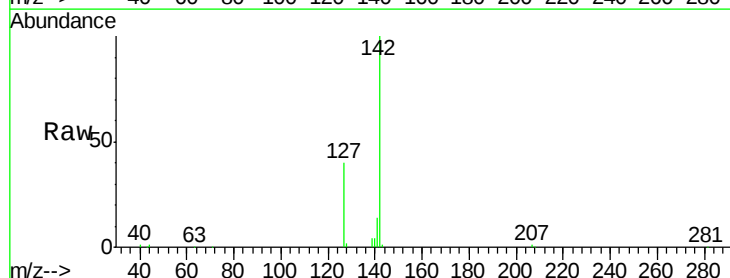
RT: 4.10 min Scan# 387

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Tgt Ion:	142	Resp:	64406
Ion Ratio	Lower	Upper	
142	100		
127	40.4	33.3	49.9
141	13.8	11.5	17.3





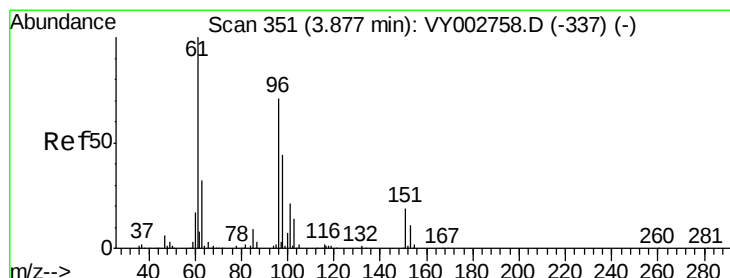
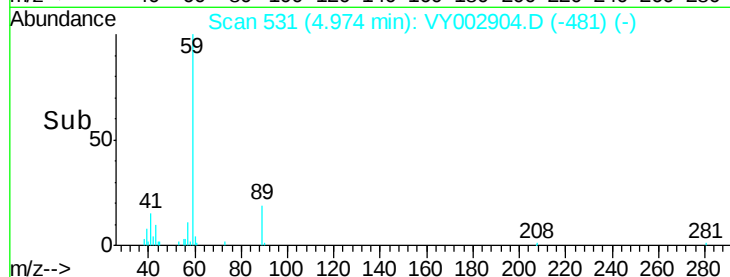
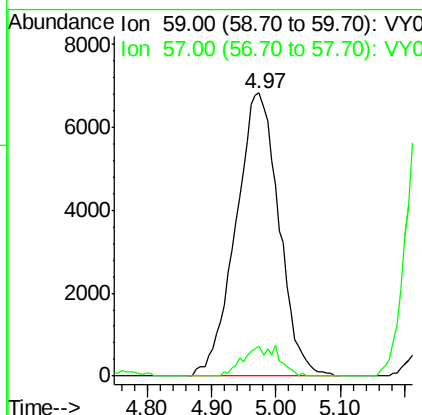
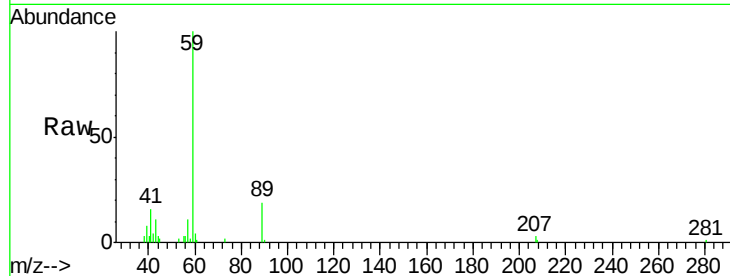
#11
Tert butyl alcohol
Concen: 123.630 ug/l
RT: 4.97 min Scan# 531
Delta R.T. 0.01 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion: 59 Resp: 31584
Ion Ratio Lower Upper
59 100
57 5.1 7.7 11.5#

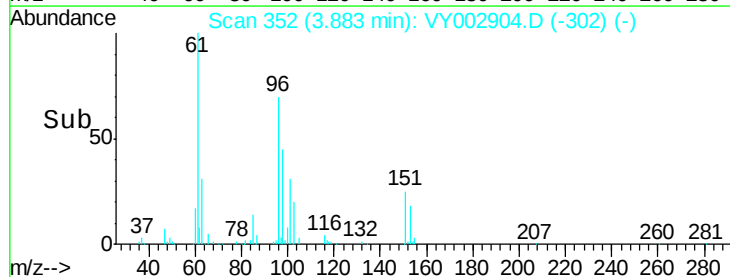
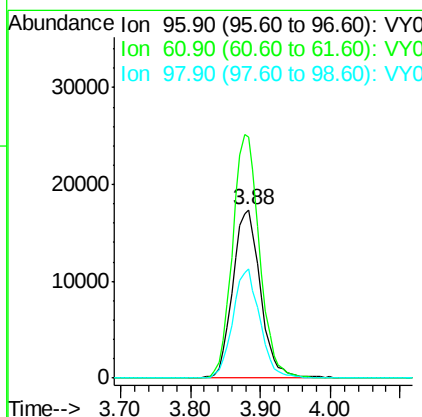
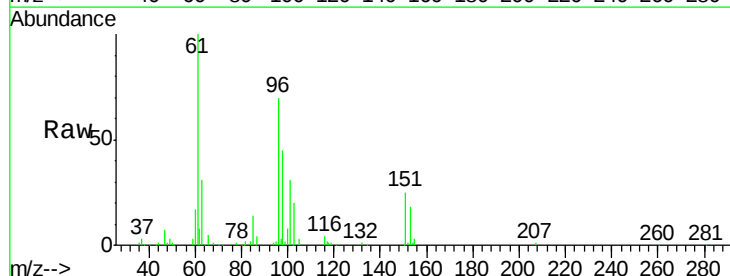
Manual Integrations
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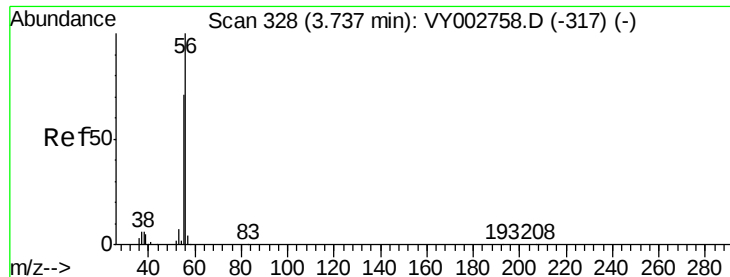
MMDadoda
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#12
1,1-Dichloroethene
Concen: 21.633 ug/l
RT: 3.88 min Scan# 352
Delta R.T. 0.01 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Tgt Ion: 96 Resp: 47880
Ion Ratio Lower Upper
96 100
61 143.2 112.6 168.8
98 64.8 50.0 75.0





#13

Acrolein

Concen: 71.674 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion: 56 Resp: 18974

Ion Ratio Lower Upper

56 100

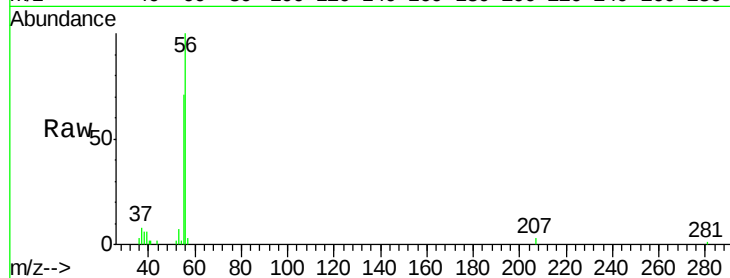
55 70.2 56.0 84.0

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

8000

6000

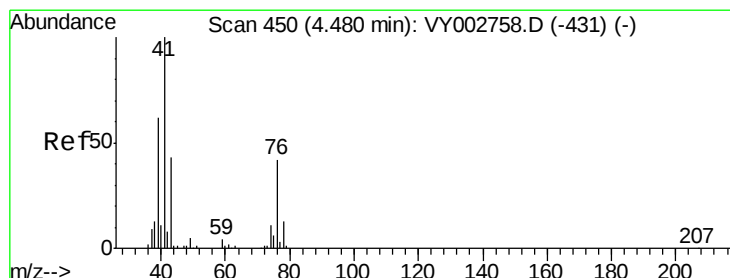
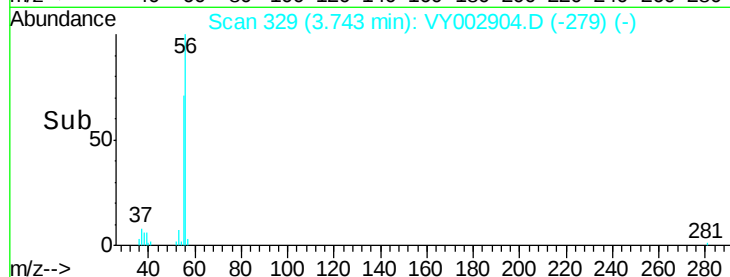
4000

2000

0

3.70 3.74 3.80

Time-->



#14

Allyl chloride

Concen: 21.742 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

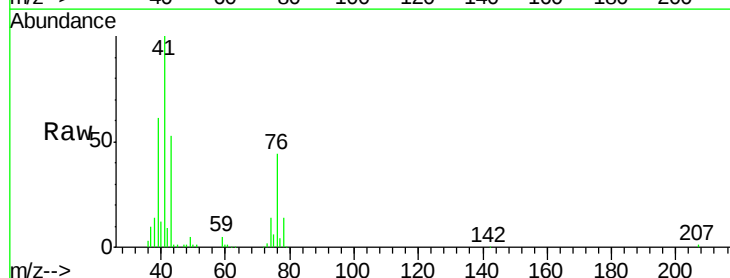
Tgt Ion: 41 Resp: 69016

Ion Ratio Lower Upper

41 100

39 63.1 49.9 74.9

76 41.5 33.2 49.8



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

30000

25000

20000

15000

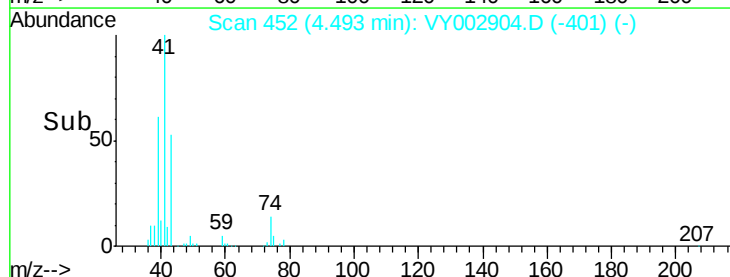
10000

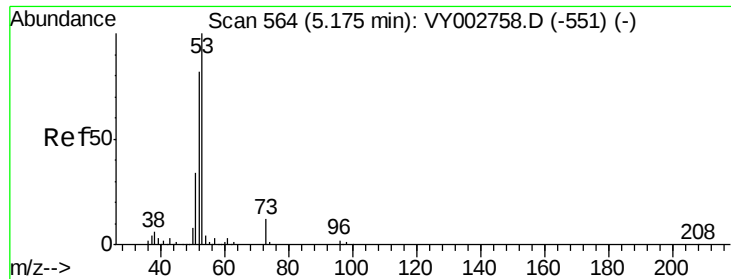
5000

0

4.30 4.40 4.49 4.60

Time-->





#15

Acrylonitrile

Concen: 112.009 ug/l

RT: 5.18 min Scan# 565

Delta R.T. 0.01 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Instrument :

MSVOA_Y

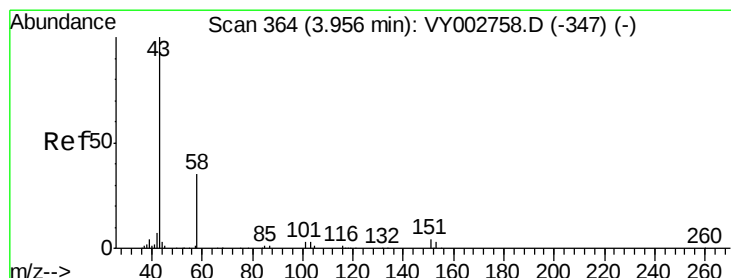
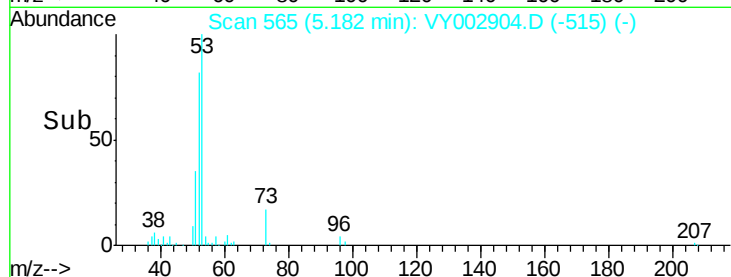
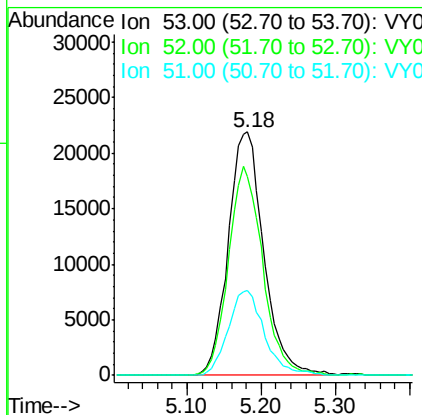
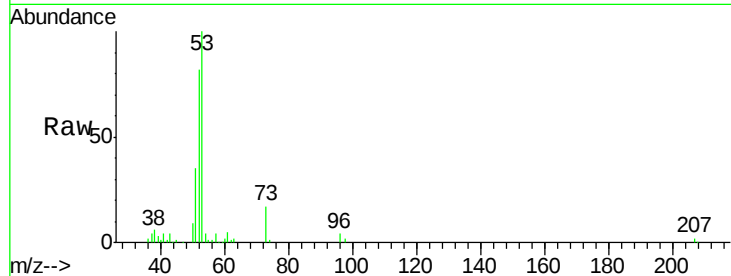
ClientSampleId :

VY0616SBS01

Tot Ion:	53	Resp:	73137
Ion Ratio	Lower	Upper	
53	100		
52	82.7	65.3	97.9
51	35.5	28.0	42.0

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#16

Acetone

Concen: 116.178 ug/l

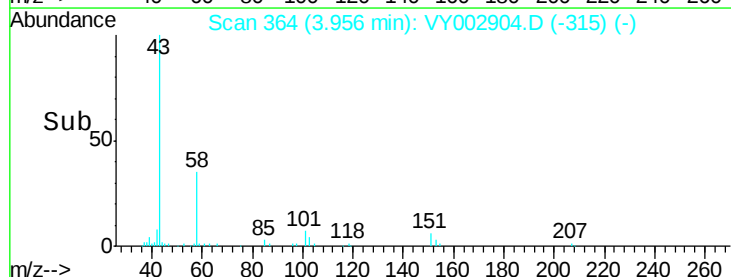
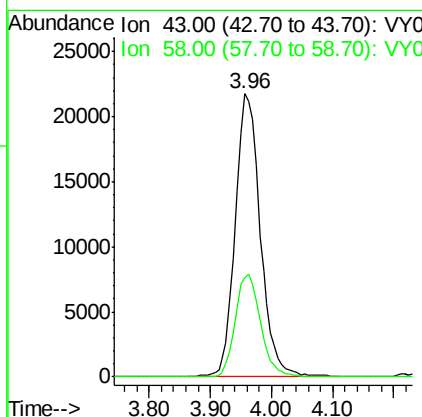
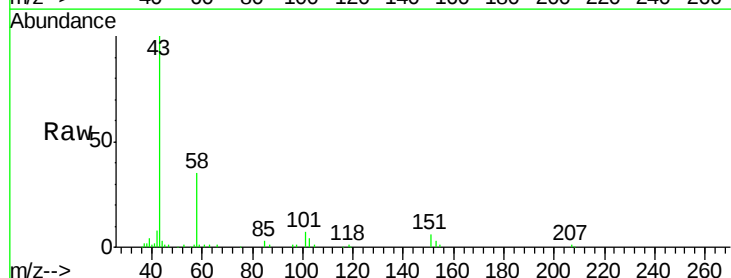
RT: 3.96 min Scan# 364

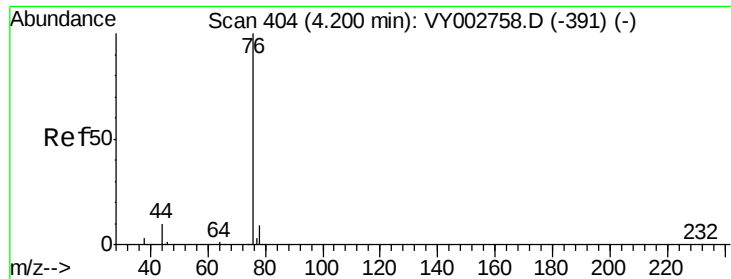
Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Tgt Ion:	43	Resp:	61540
Ion Ratio	Lower	Upper	
43	100		
58	35.2	27.7	41.5





#17

Carbon Disulfide

Concen: 19.301 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion: 76 Resp: 129088

Ion Ratio Lower Upper

76 100

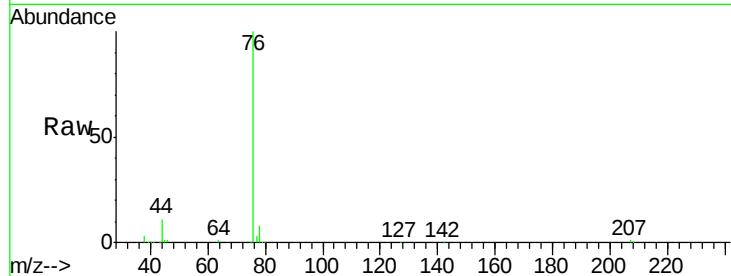
78 8.3 6.9 10.3

Manual Integrations

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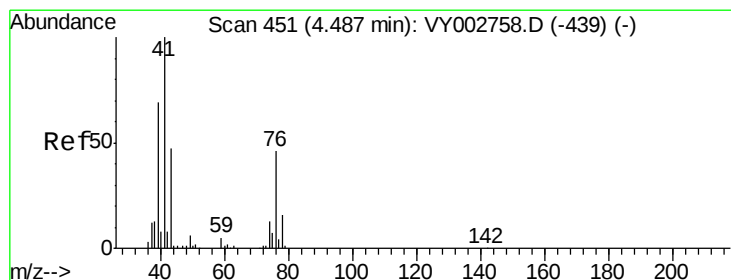
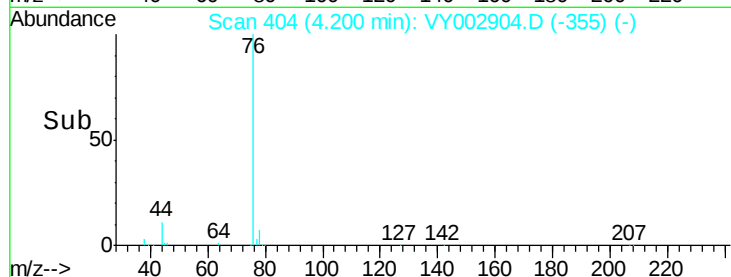
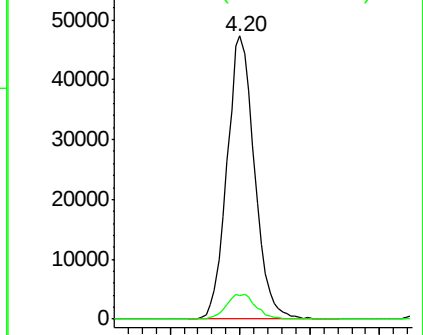
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 26.070 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY002904.D

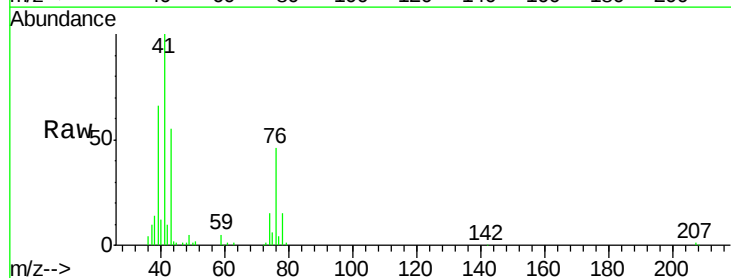
Acq: 16 Jun 2020 12:59

Tgt Ion: 43 Resp: 35267

Ion Ratio Lower Upper

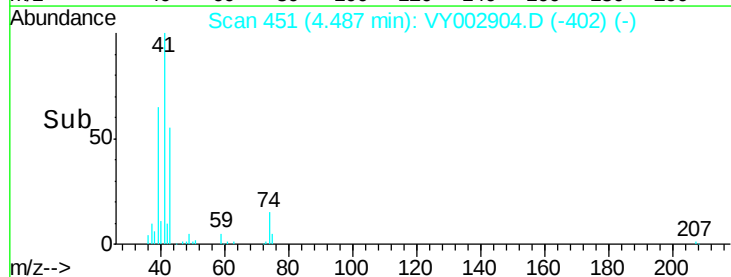
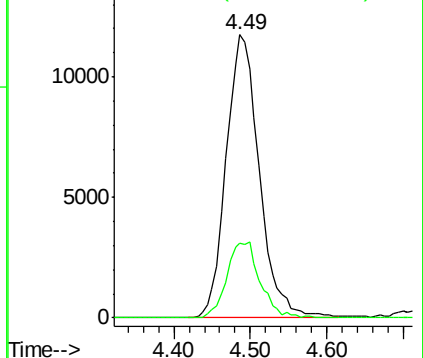
43 100

74 26.6 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





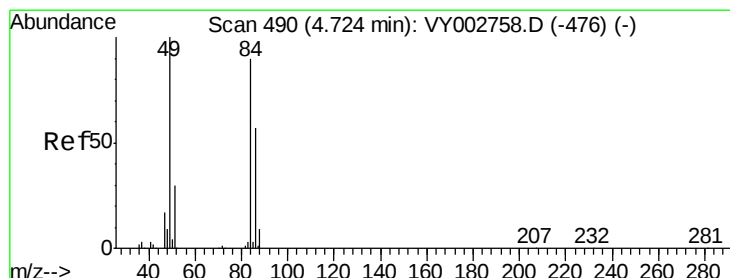
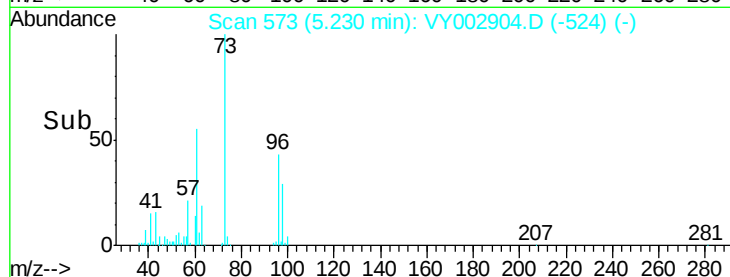
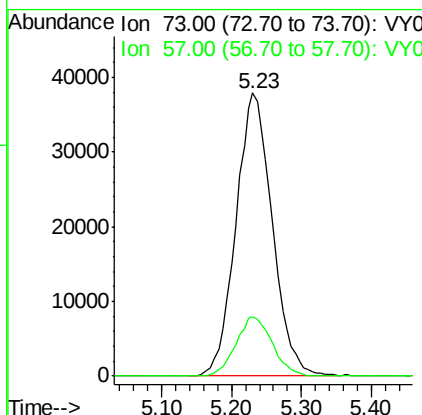
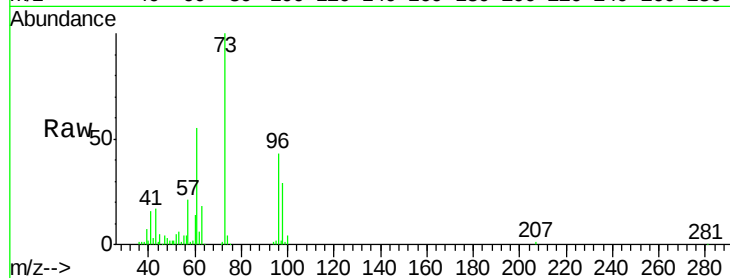
#19
Methvl tert-butvl Ether
Concen: 22.363 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion: 73 Resp: 136645
Ion Ratio Lower Upper
73 100
57 21.2 17.0 25.4

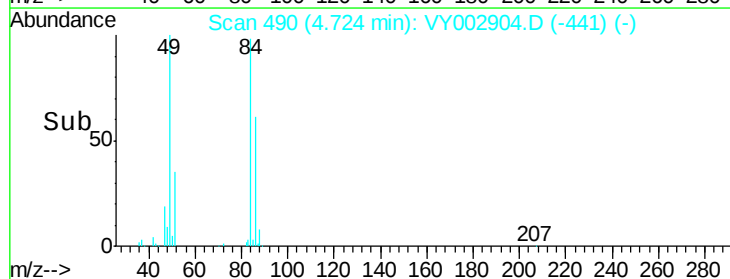
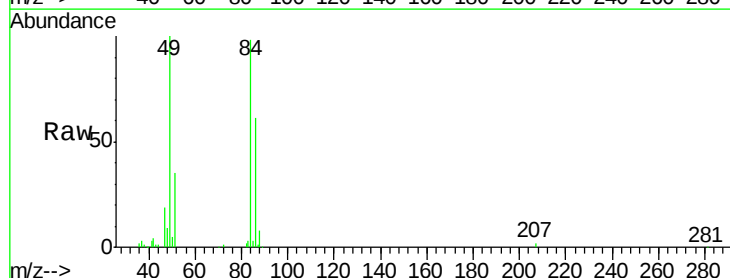
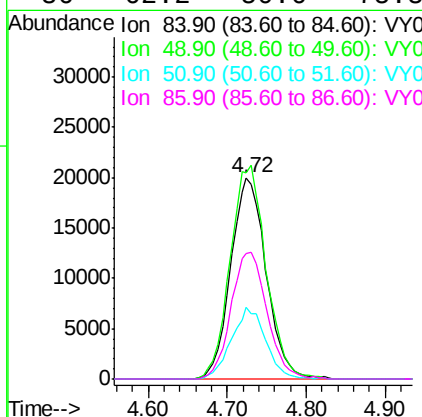
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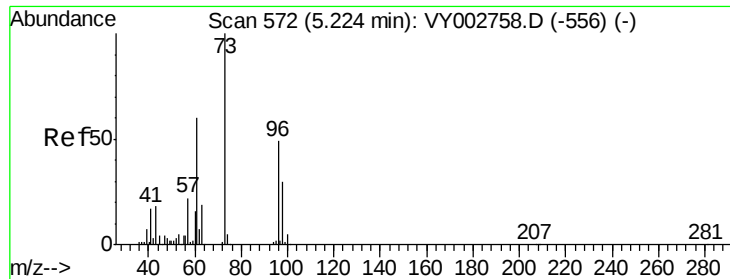
MMDadoda
6/18/2020 11:14:26 AM



#20
Methylene Chloride
Concen: 24.105 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Tgt Ion: 84 Resp: 62399
Ion Ratio Lower Upper
84 100
49 102.5 88.5 132.7
51 35.6 26.8 40.2
86 62.2 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 21.111 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Instrument :

MSVOA_Y

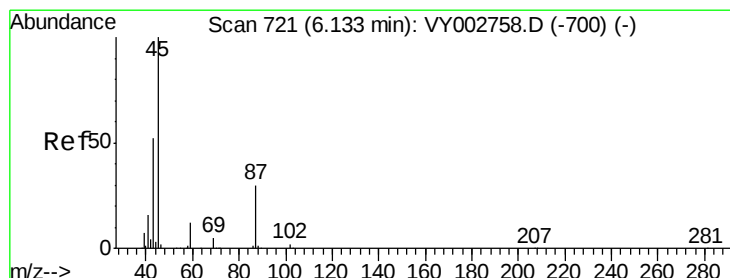
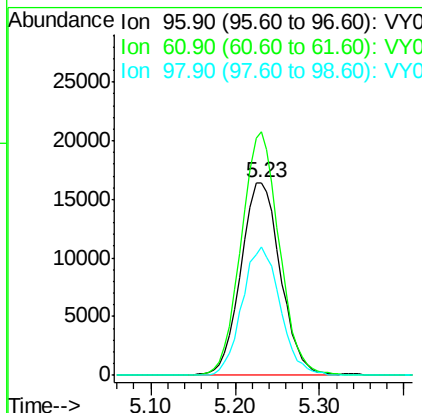
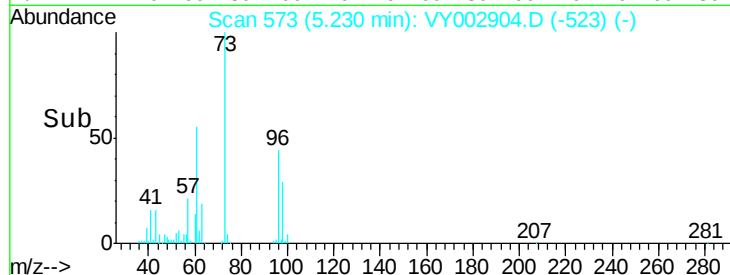
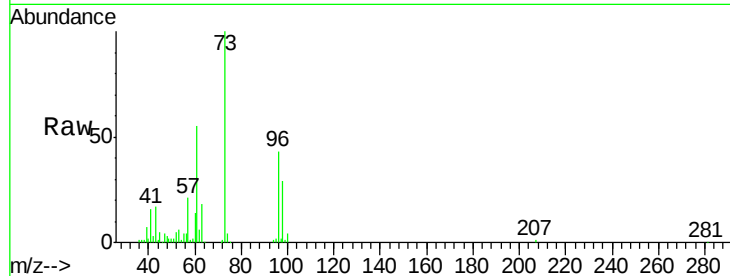
ClientSampleId :

VY0616SBS01

Tot Ion:	96	Resp:	52547
Ion	Ratio	Lower	Upper
96	100		
61	126.2	96.8	145.2
98	66.3	49.4	74.0

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#22

Diisopropyl ether

Concen: 21.958 ug/l

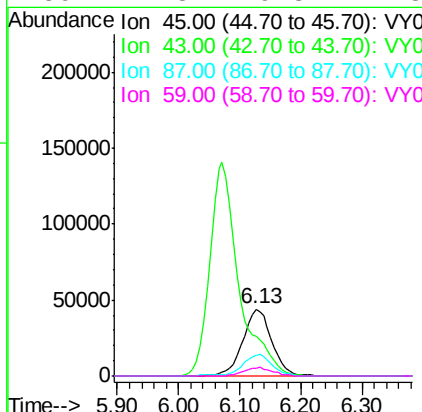
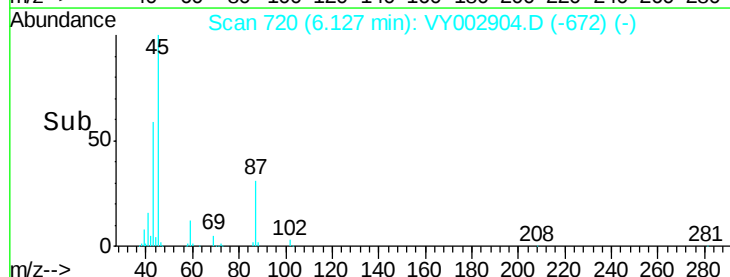
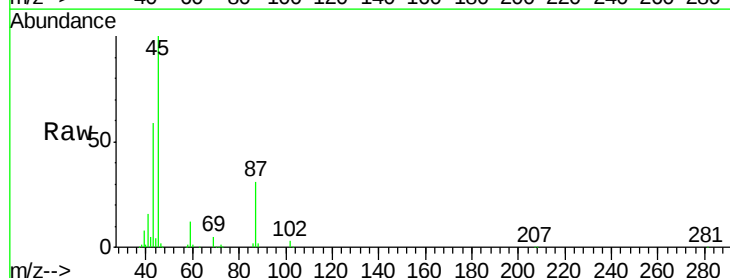
RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Tgt Ion:	45	Resp:	144844
Ion	Ratio	Lower	Upper
45	100		
43	58.8	41.7	62.5
87	31.5	24.2	36.2
59	11.8	9.8	14.8





#23

Vinyl Acetate

Concen: 108.296 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion: 43 Resp: 471651

Ion Ratio Lower Upper

43 100

86 13.2

10.2

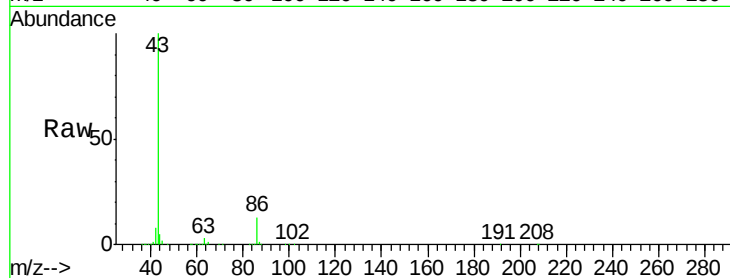
15.2

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

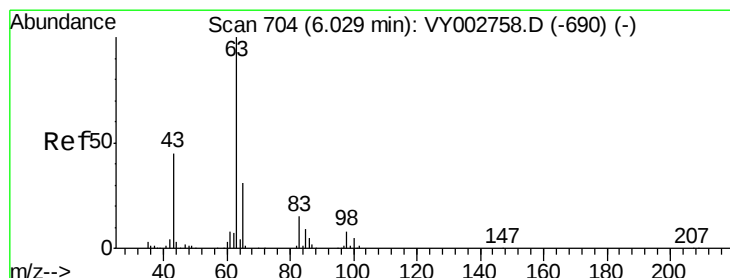
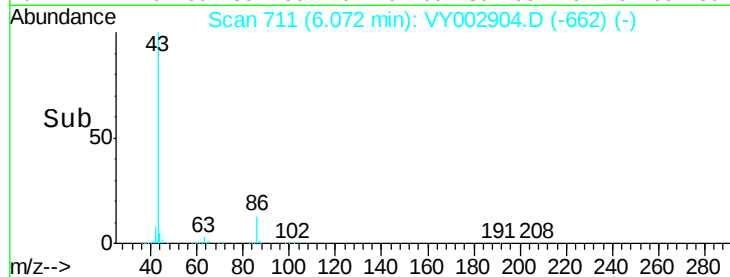
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.968 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Tgt Ion: 63 Resp: 84770

Ion Ratio Lower Upper

63 100

98 7.6

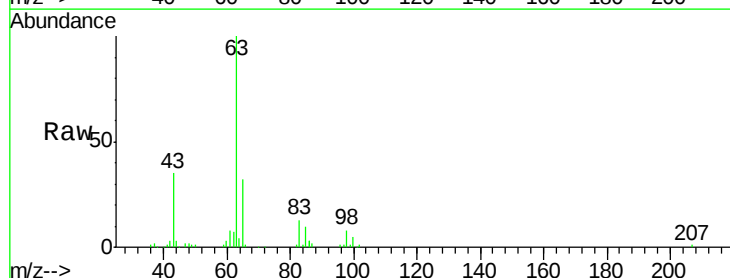
4.0

12.2

100 4.6

2.4

7.1



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.03

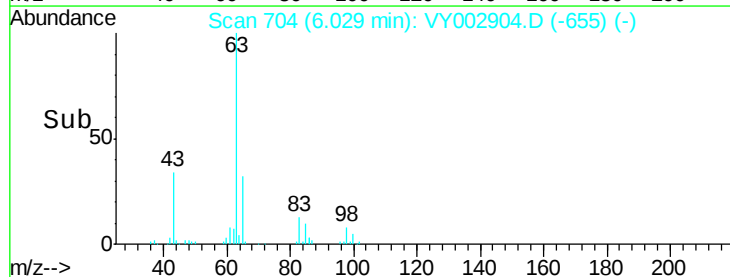
30000

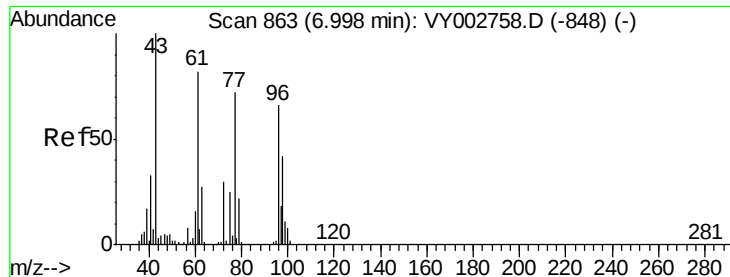
20000

10000

0

Time-->





#25

2-Butanone

Concen: 114.084 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion: 43 Resp: 94151

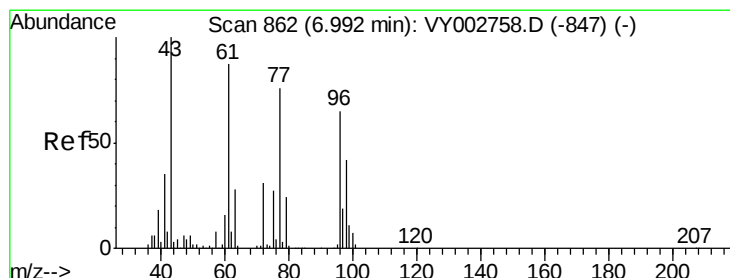
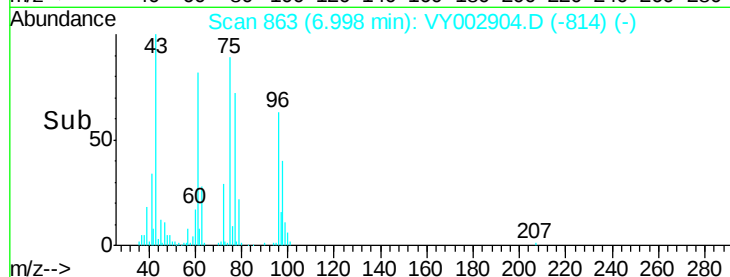
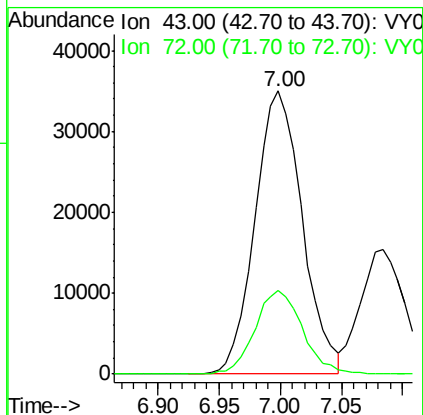
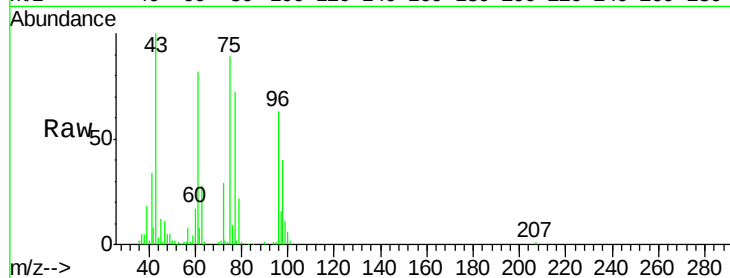
Ion Ratio Lower Upper

43 100

72 29.5 23.9 35.9

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 22.308 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY002904.D

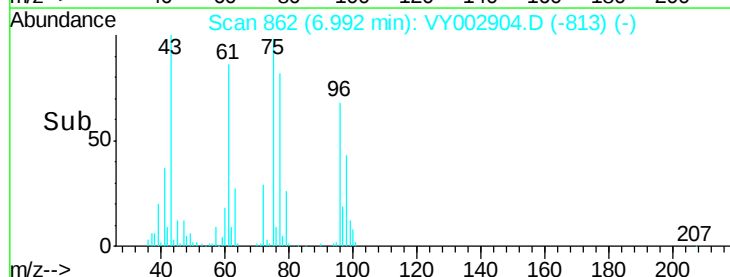
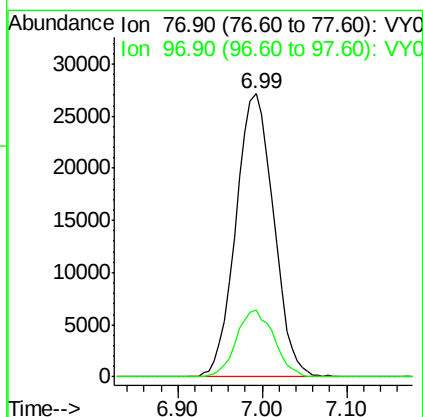
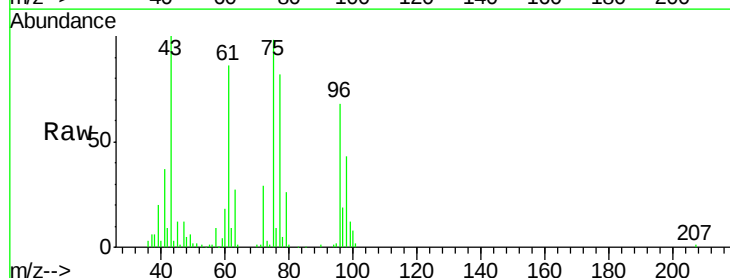
Acq: 16 Jun 2020 12:59

Tgt Ion: 77 Resp: 82558

Ion Ratio Lower Upper

77 100

97 23.5 12.2 36.6





#27

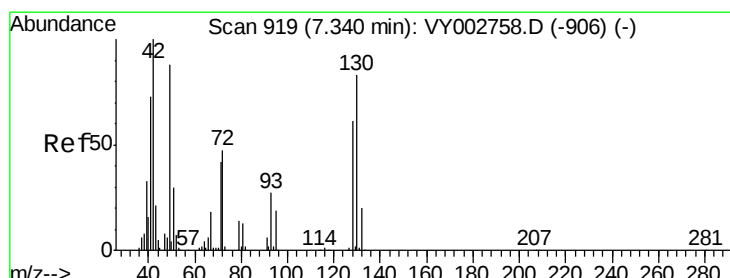
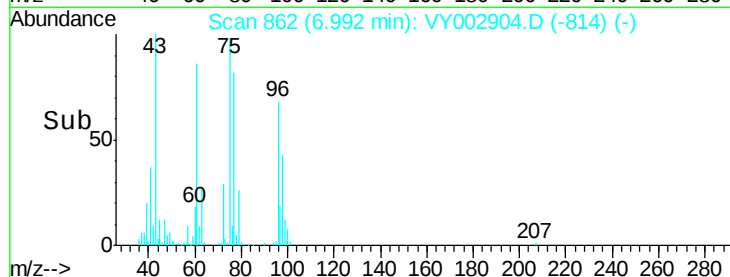
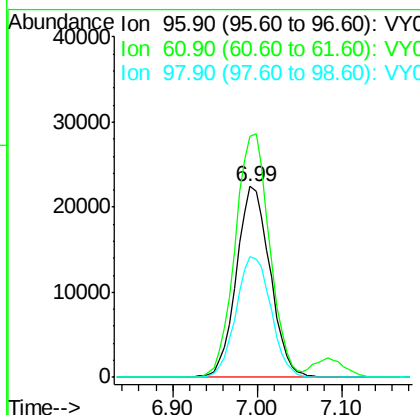
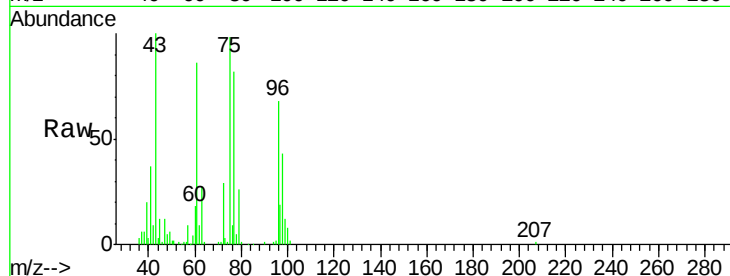
cis-1,2-Dichloroethene
Concen: 21.774 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	60672		
61	130.4		0.0	260.2
98	65.3		0.0	128.2

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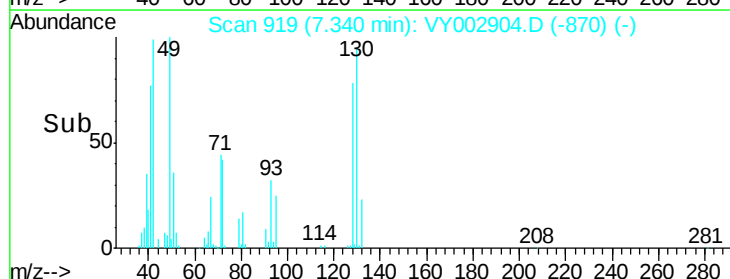
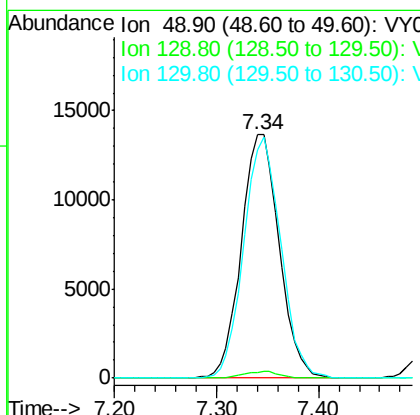
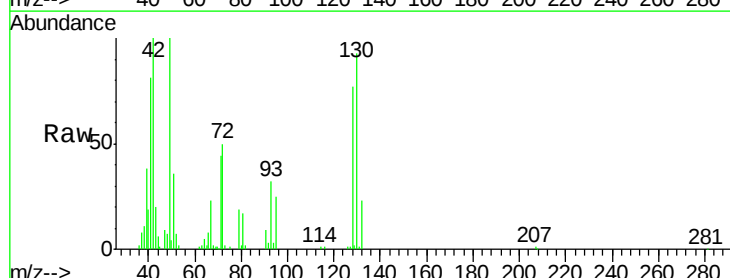
MMDadoda
6/18/2020 11:14:26 AM

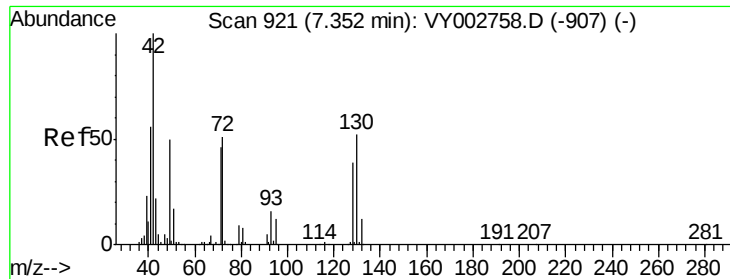


#28

Bromochloromethane
Concen: 22.355 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	35413		
129	2.6		0.0	5.2
130	96.3		77.1	115.7





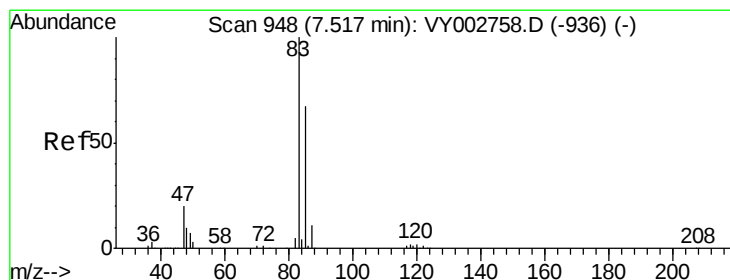
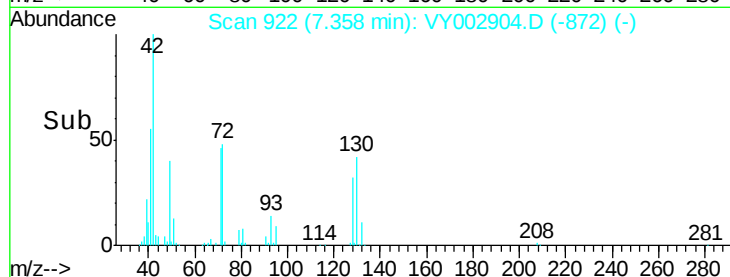
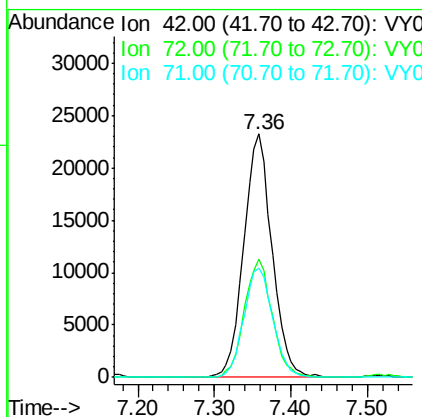
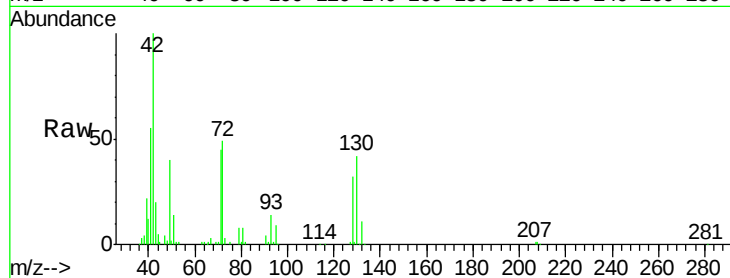
#29
Tetrahydrofuran
Concen: 111.411 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	38.6	58.0
71	45.9	35.8	53.8

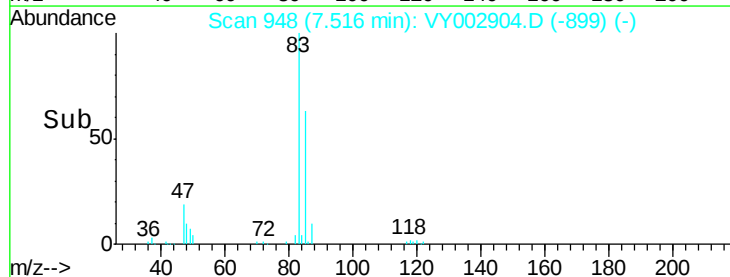
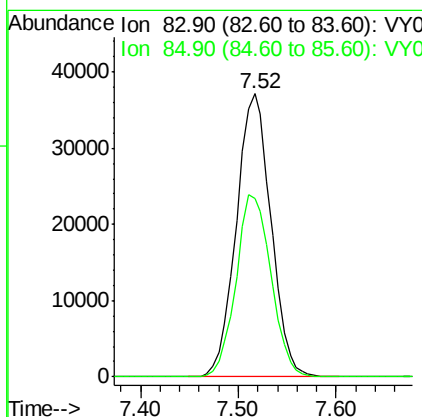
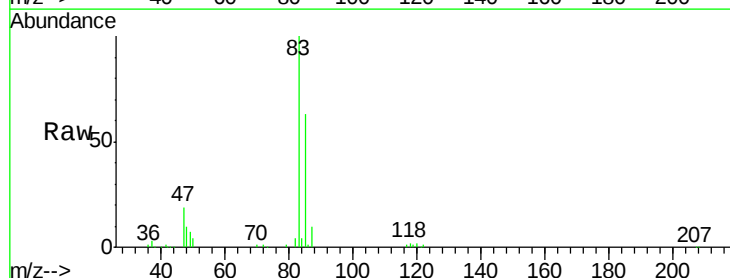
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#30
Chloroform
Concen: 22.276 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	53.8	80.8





#31

Cyclohexane

Concen: 20.622 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion: 56 Resp: 79007

Ion Ratio Lower Upper

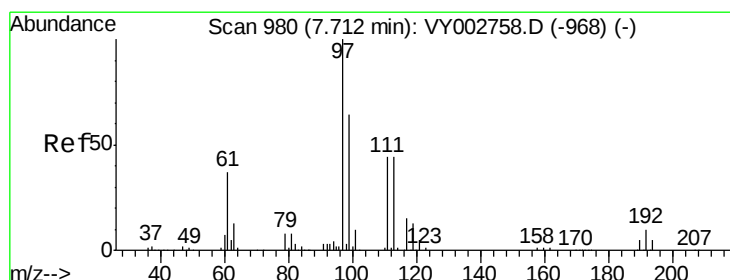
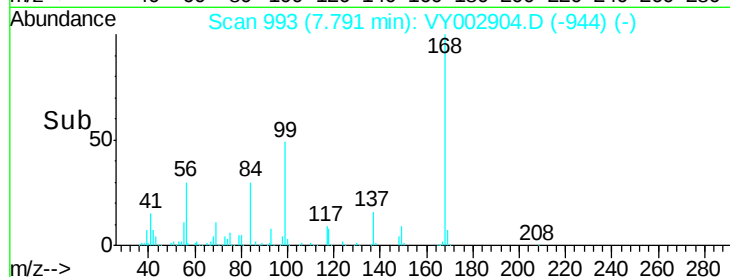
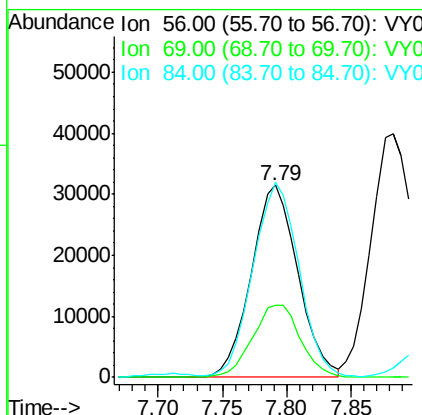
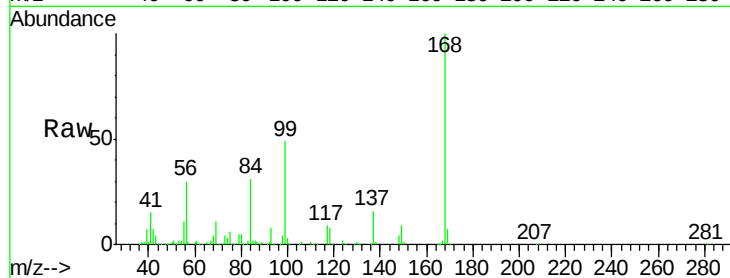
56 100

69 37.8 28.0 42.0

84 100.0 77.7 116.5

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#32

1,1,1-Trichloroethane

Concen: 22.089 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

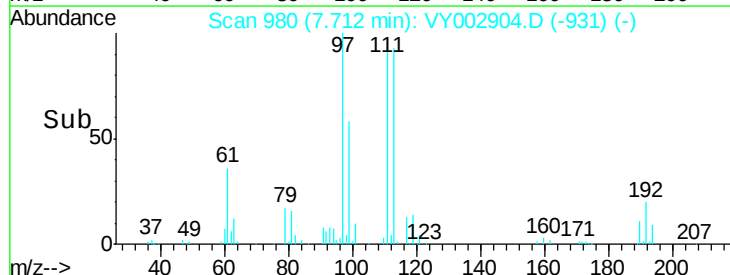
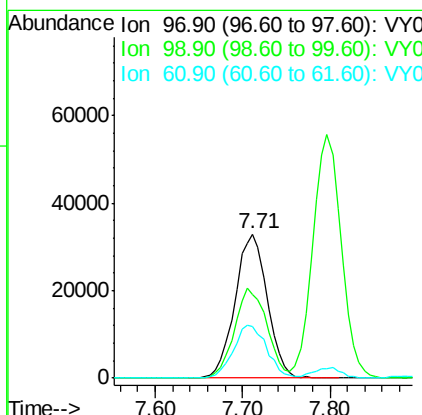
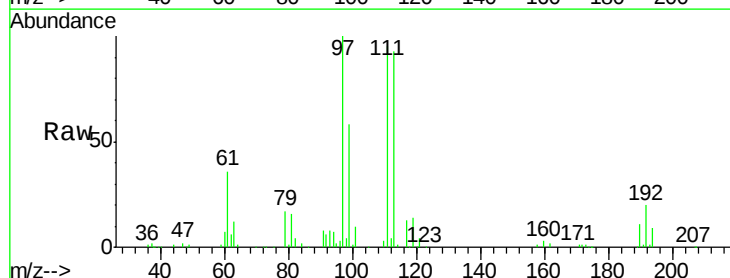
Tgt Ion: 97 Resp: 84285

Ion Ratio Lower Upper

97 100

99 63.5 51.4 77.0

61 37.7 30.1 45.1





#33

1,2-Dichloroethane-d4

Concen: 49.991 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion: 65 Resp: 112930

Ion Ratio Lower Upper

65 100

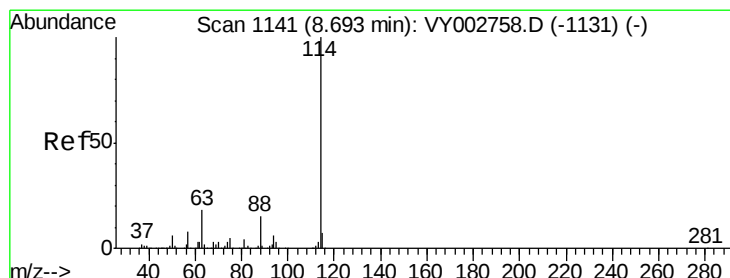
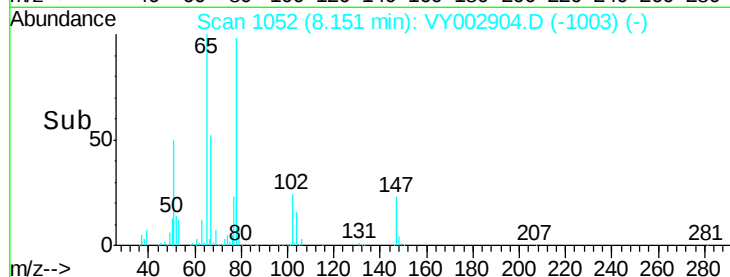
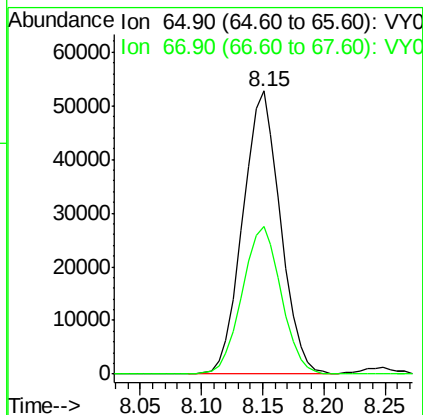
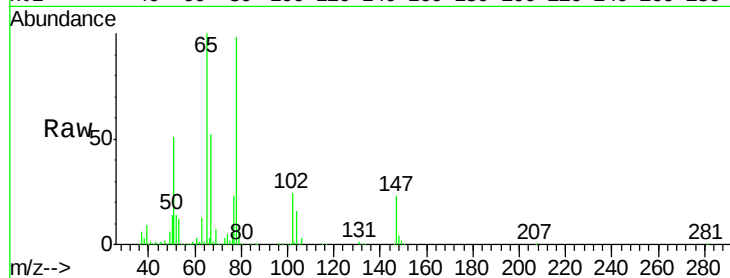
67 54.1 0.0 111.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

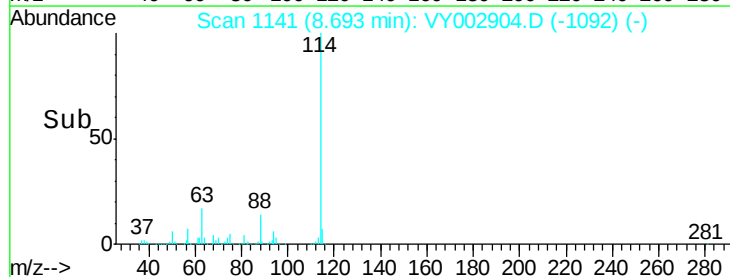
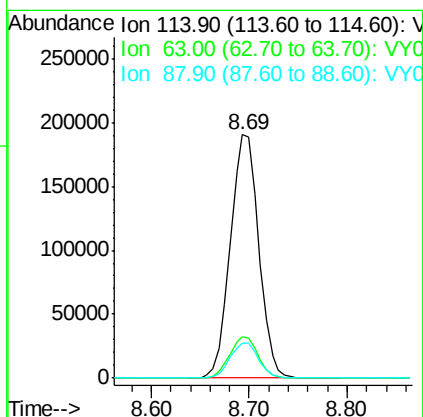
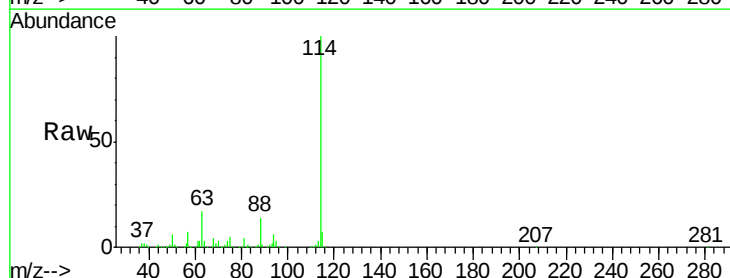
Tgt Ion: 114 Resp: 383521

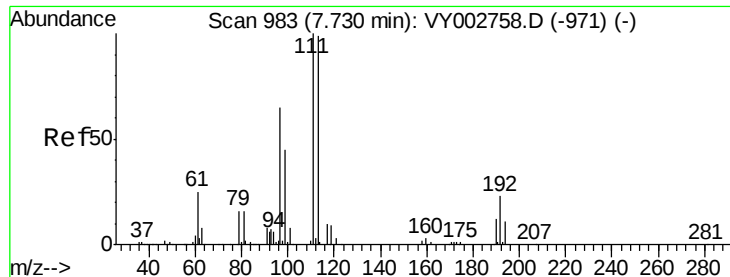
Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.2

88 14.5 0.0 29.2





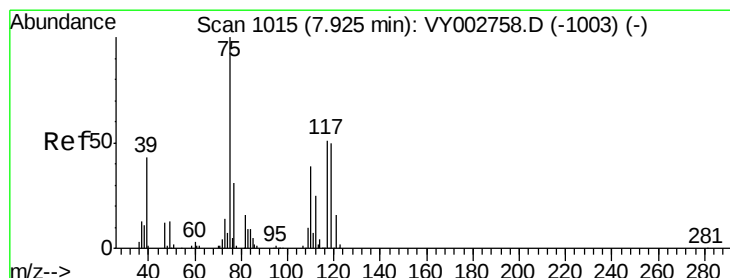
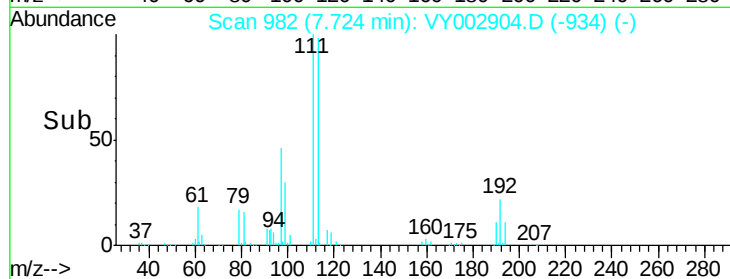
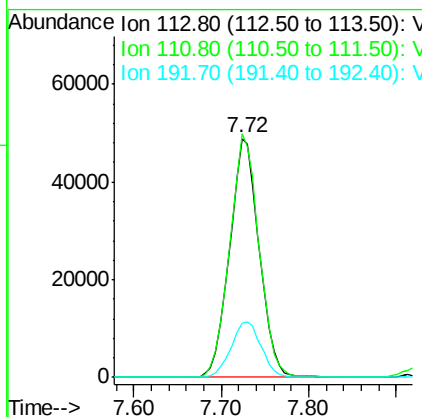
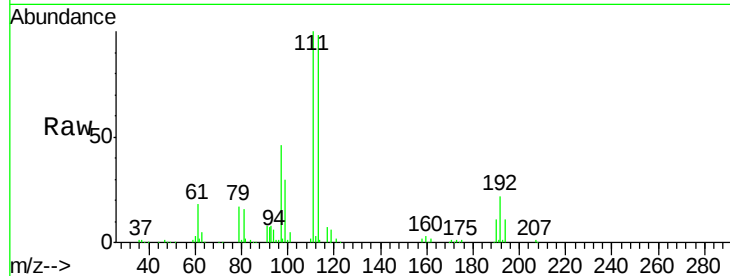
#35
Dibromofluoromethane
Concen: 51.148 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	114961		
111	101.3	82.0	123.0	
192	23.7	18.9	28.3	

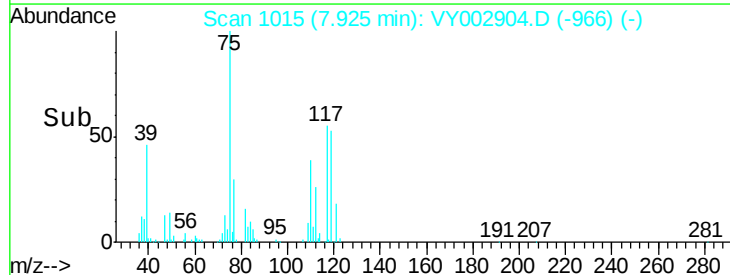
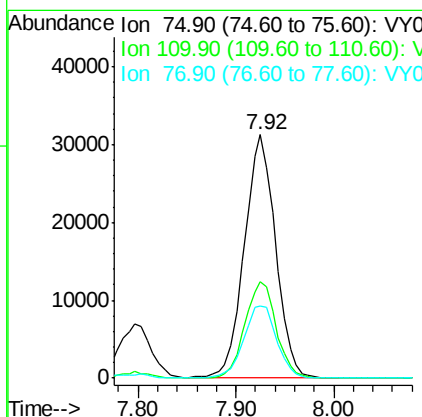
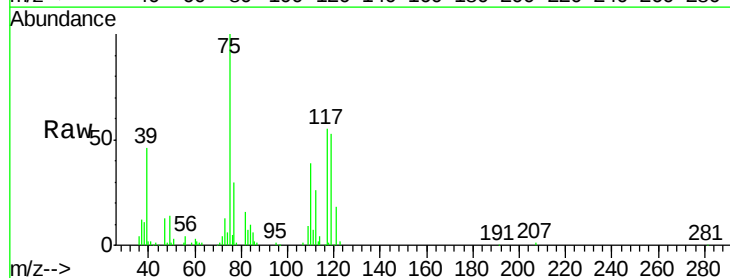
Manual Integrations
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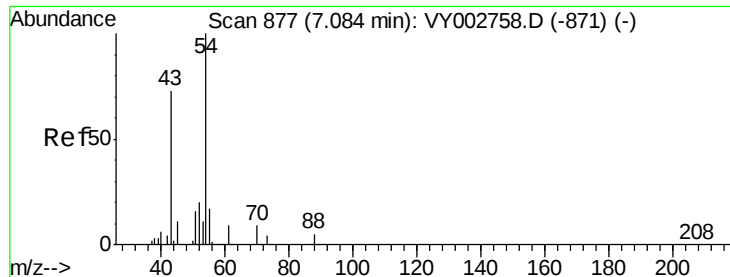
MMDadoda
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#36
1,1-Dichloropropene
Concen: 21.414 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	69181		
110	39.6	19.3	57.9	
77	31.5	24.8	37.2	





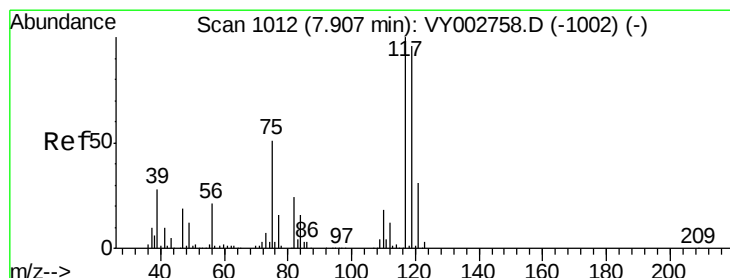
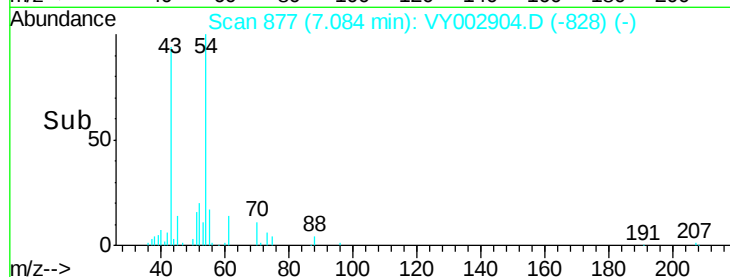
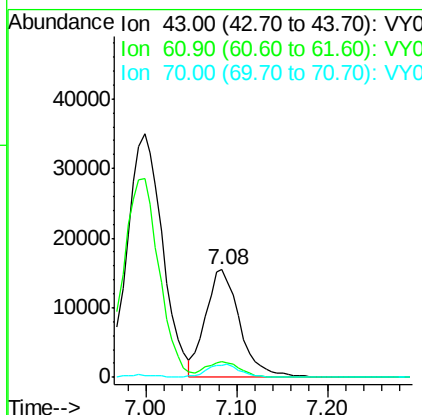
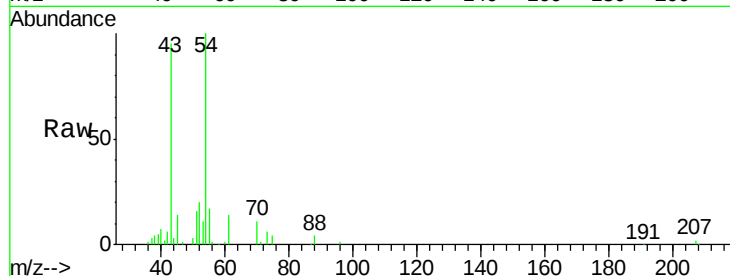
#37
Ethyl Acetate
Concen: 23.313 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.9	17.9
70	11.9	9.1	13.7

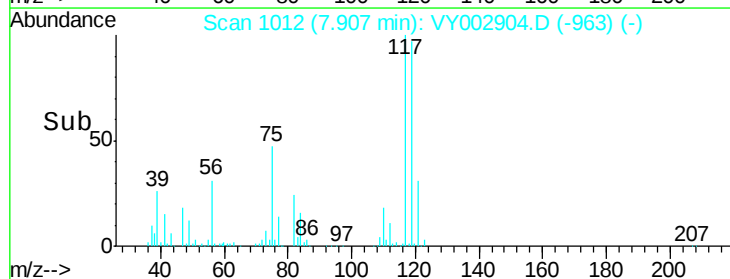
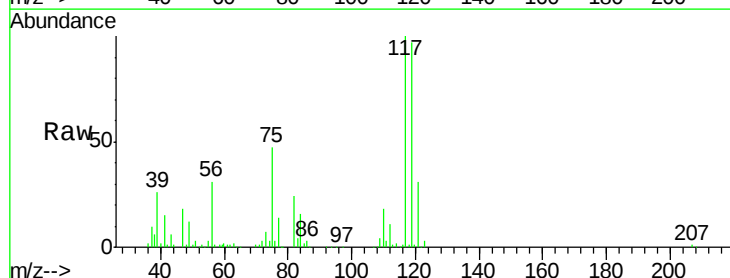
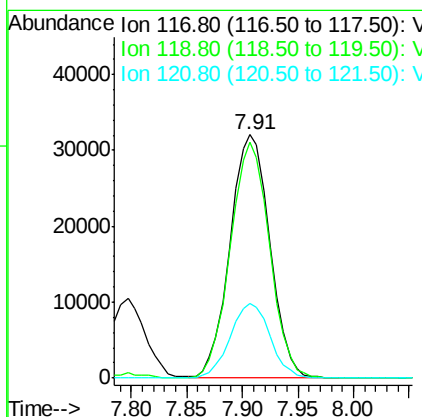
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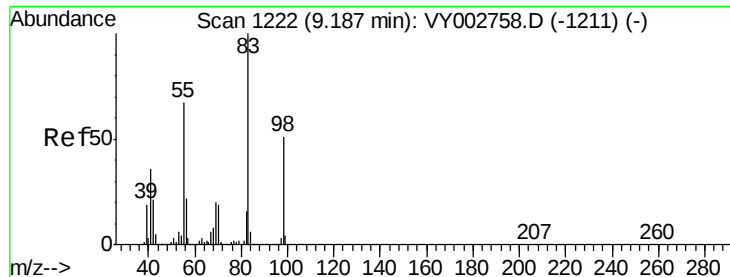
MMDadoda
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#38
Carbon Tetrachloride
Concen: 22.208 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.8	115.2
121	30.7	24.8	37.2





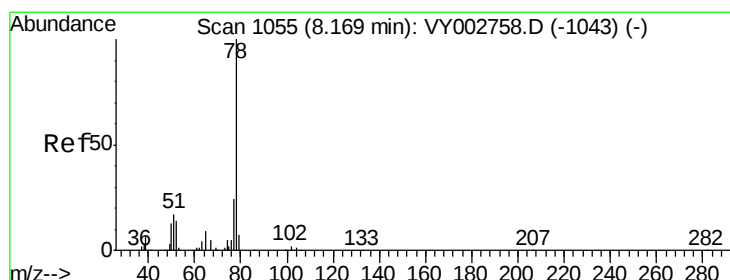
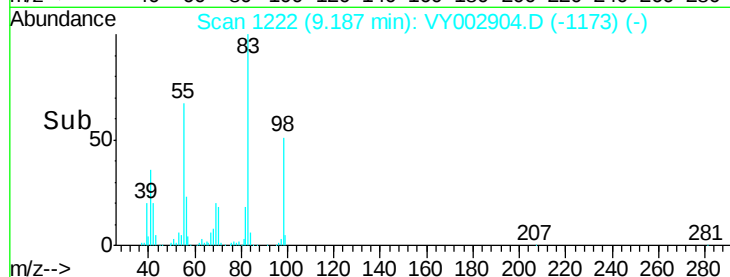
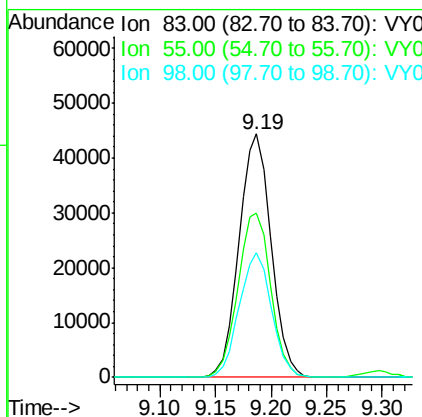
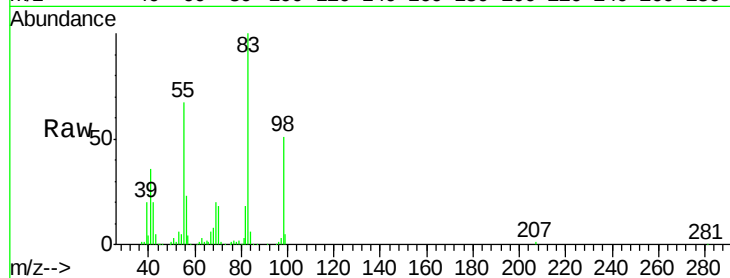
#39
Methvlcvclohexane
Concen: 20.891 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.5	53.3	79.9
98	51.3	41.1	61.7

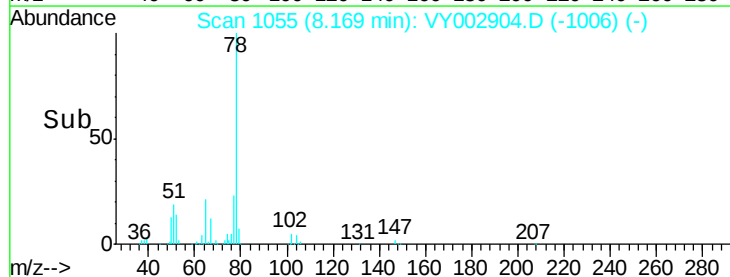
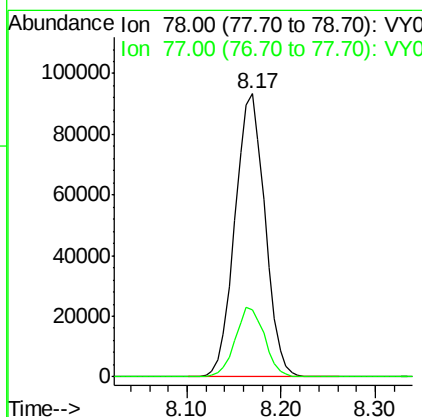
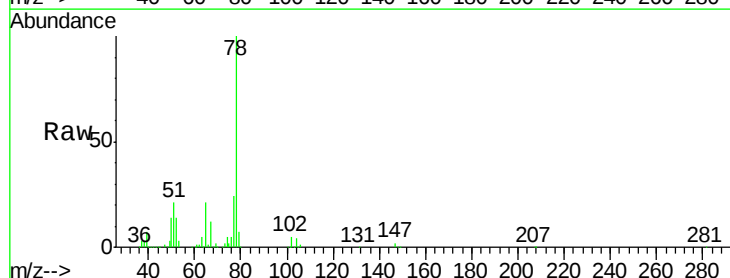
Manual Integrations
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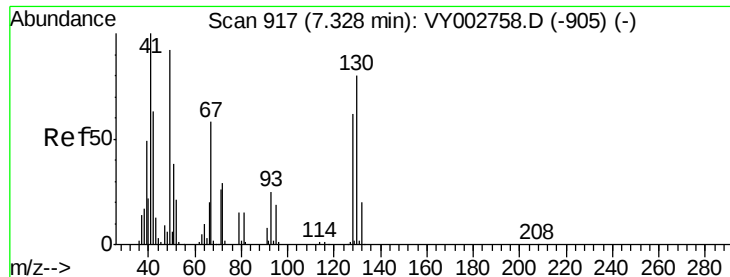
MMDadoda
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#40
Benzene
Concen: 21.736 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





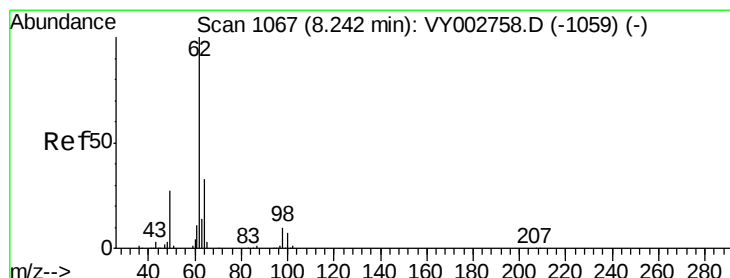
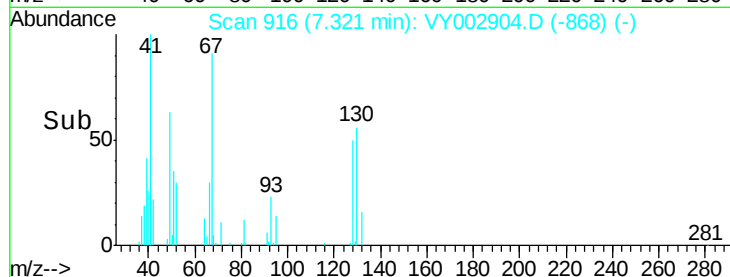
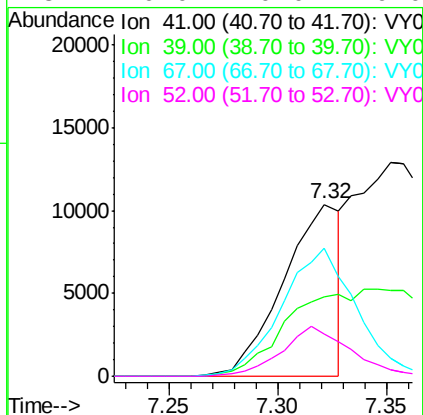
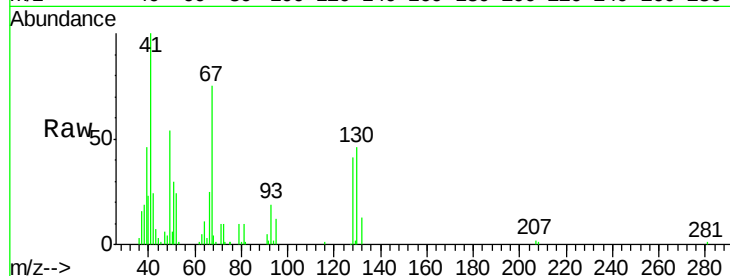
#41
Methacrylonitrile
Concen: 20.094 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.01 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	41	Resp	18975
Ion	Ratio	Lower	Upper
41	100		
39	128.8	97.6	146.4
67	0.0	0.0	0.0
52	0.0	0.0	0.0

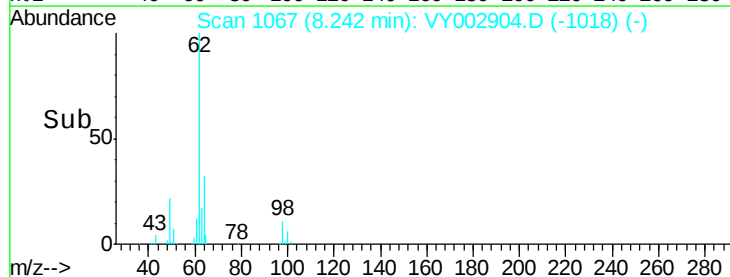
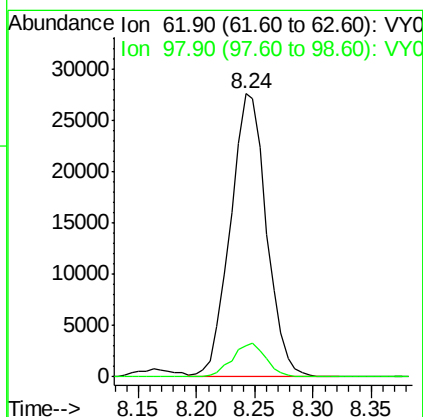
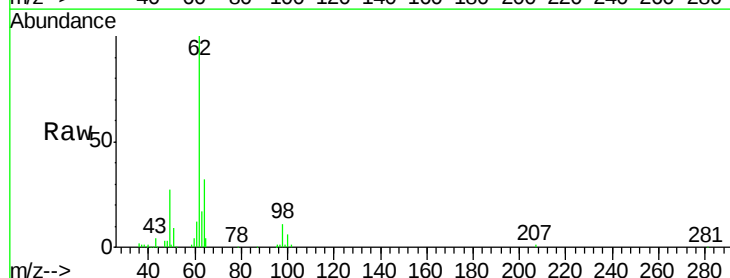
Manual Integrations
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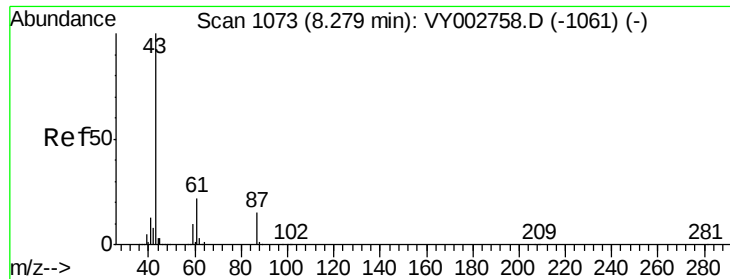
MMDadoda
6/18/2020 11:14:26 AM



#42
1,2-Dichloroethane
Concen: 22.272 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Tgt Ion	62	Resp	59585
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	22.6





#43

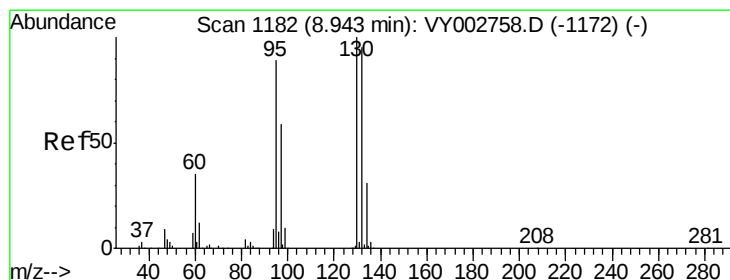
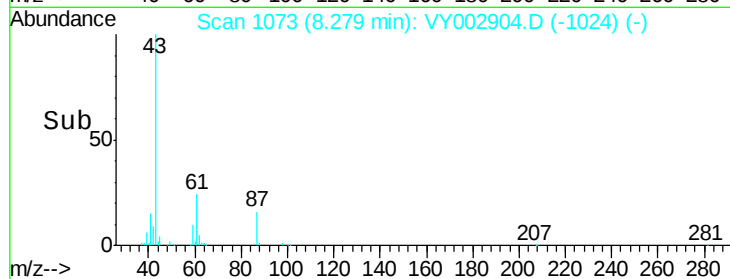
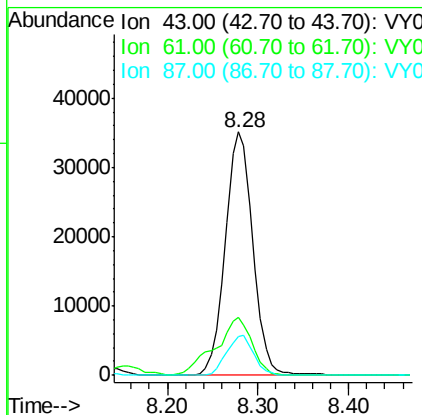
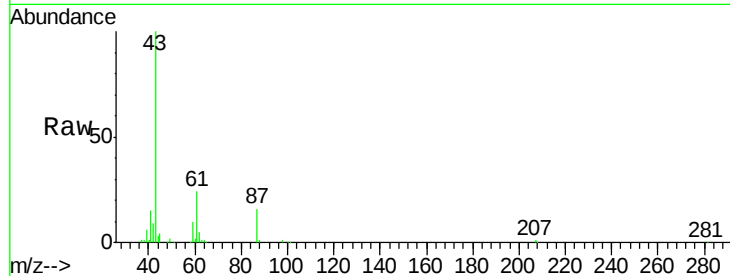
Isopropyl Acetate
 Concen: 22.254 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VY002904.D
 Acq: 16 Jun 2020 12:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0616SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.8	24.8	37.2
87	16.1	12.4	18.6

Manual Integrations
 APPROVED

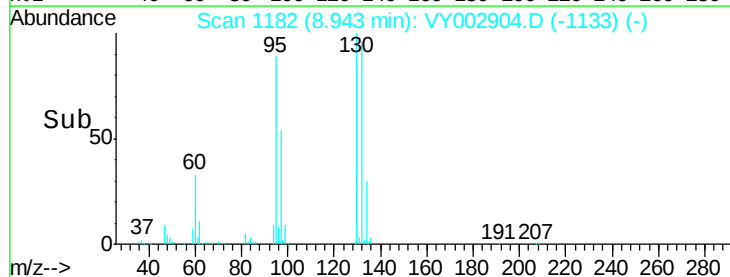
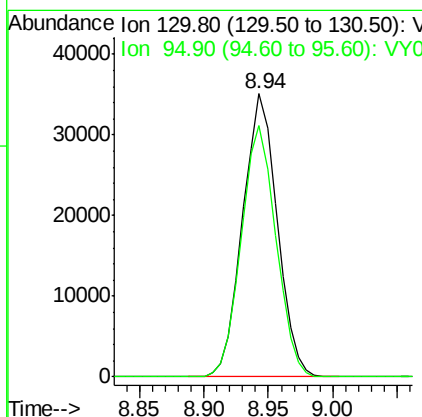
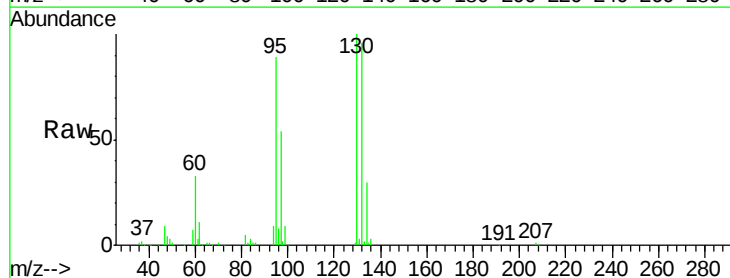
MMDadoda
 6/18/2020 11:14:26 AM

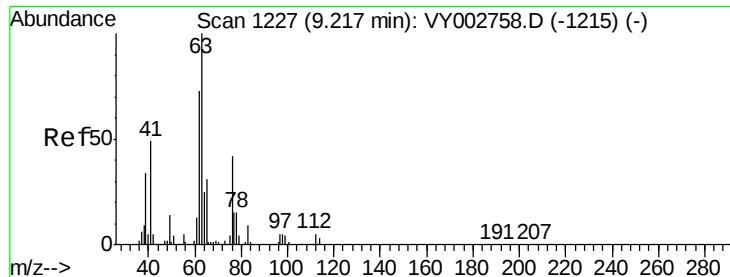


#44

Trichloroethene
 Concen: 21.647 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VY002904.D
 Acq: 16 Jun 2020 12:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.9	0.0	178.8





#45

1,2-Dichloropropane

Concen: 22.137 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion: 63 Resp: 50677

Ion Ratio Lower Upper

63 100

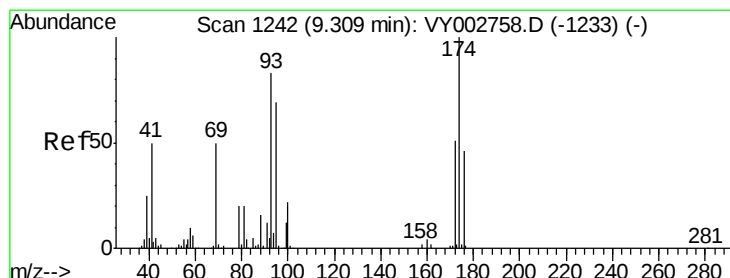
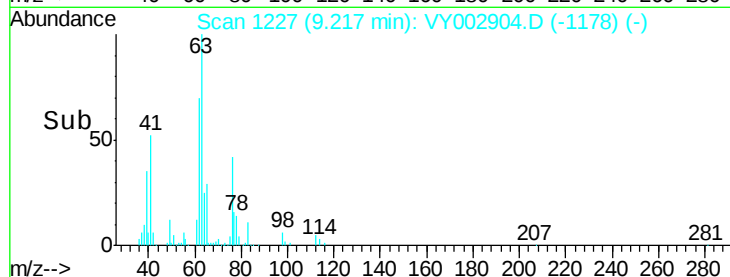
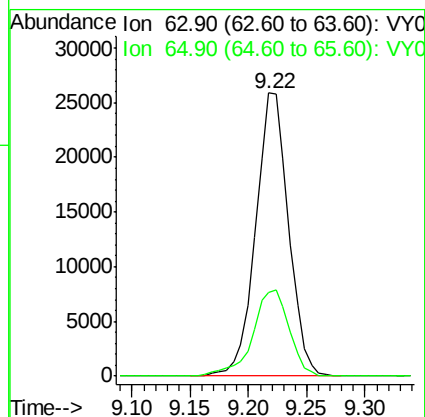
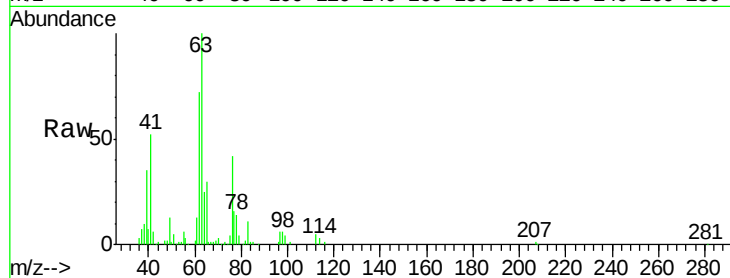
65 29.7 24.8 37.2

Manual Integrations

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#46

Dibromomethane

Concen: 22.145 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

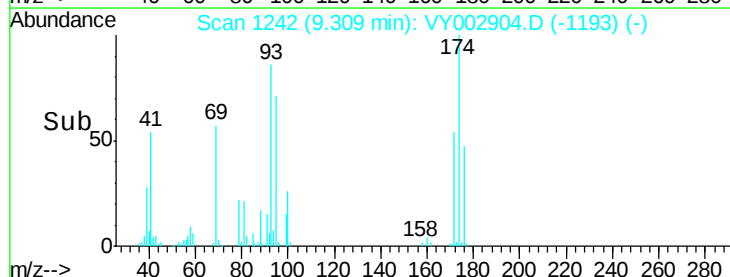
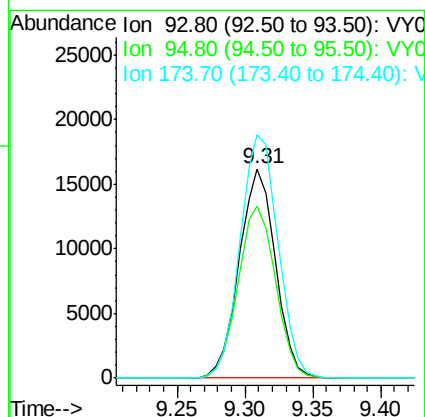
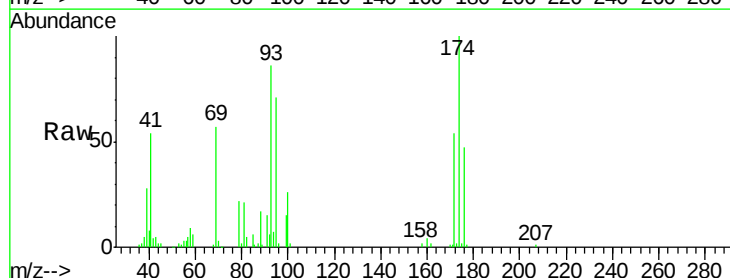
Tgt Ion: 93 Resp: 30108

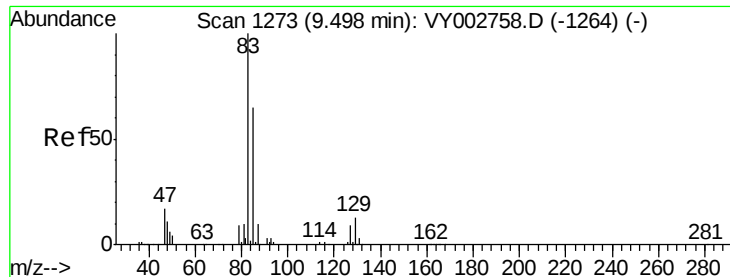
Ion Ratio Lower Upper

93 100

95 85.0 66.9 100.3

174 122.1 97.7 146.5





#47

Bromodichloromethane

Concen: 22.630 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Instrument :

MSVOA_Y

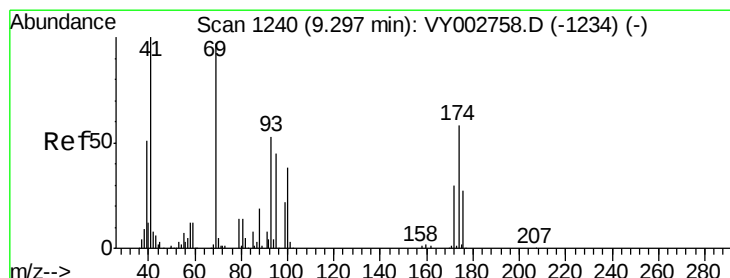
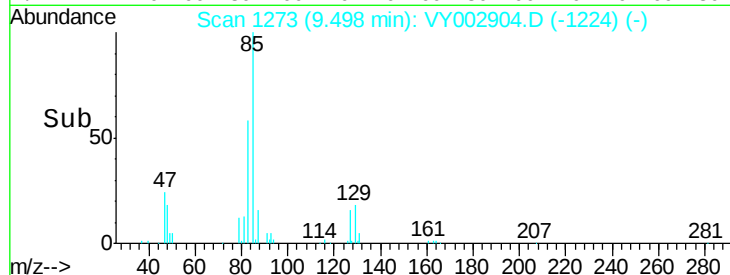
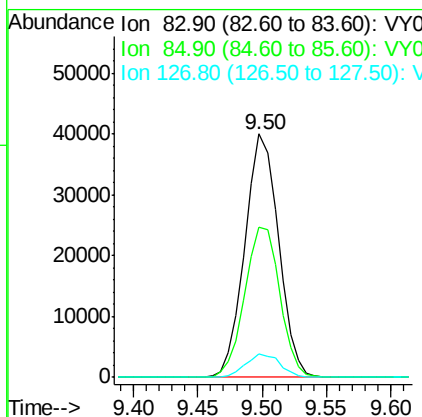
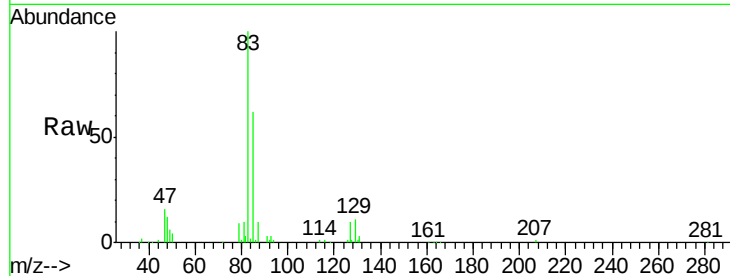
ClientSampleId :

VY0616SBS01

Tot Ion:	83	Resp:	72532
Ion Ratio	Lower	Upper	
83	100		
85	61.8	51.9	77.9
127	9.8	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.091 ug/l

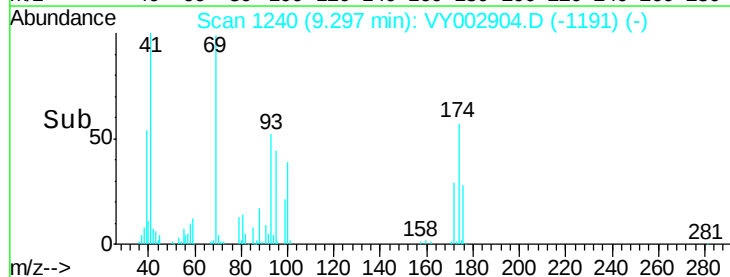
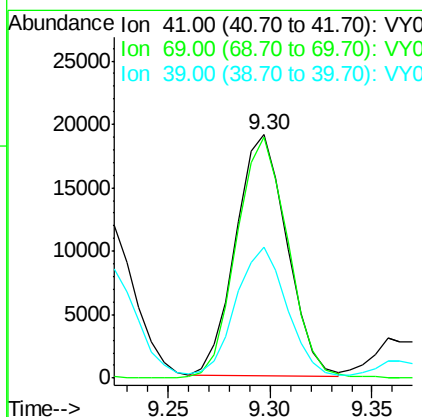
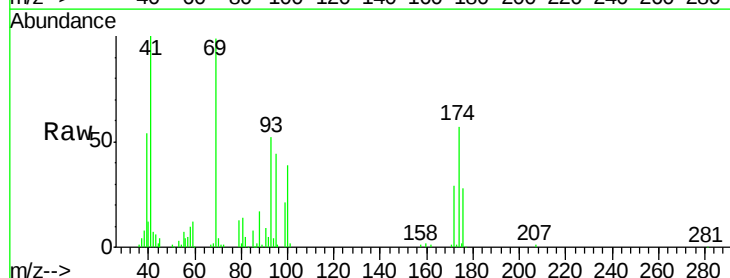
RT: 9.30 min Scan# 1240

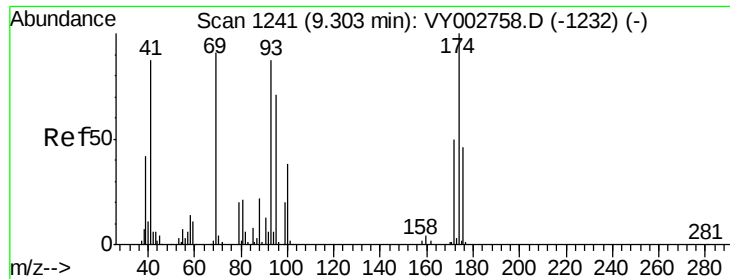
Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Tgt Ion:	41	Resp:	33218
Ion Ratio	Lower	Upper	
41	100		
69	100.0	79.7	119.5
39	55.0	43.3	64.9





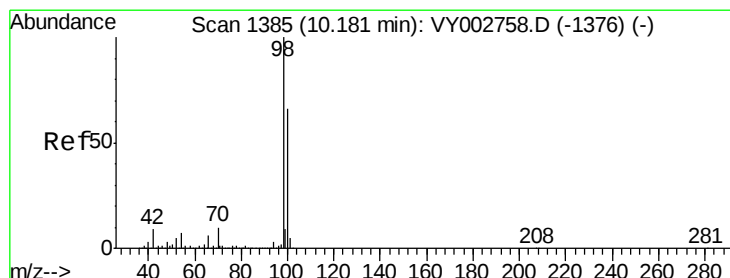
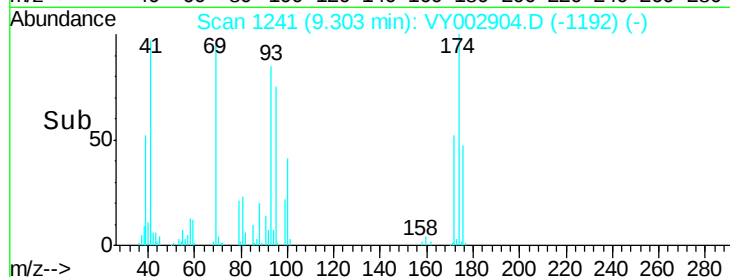
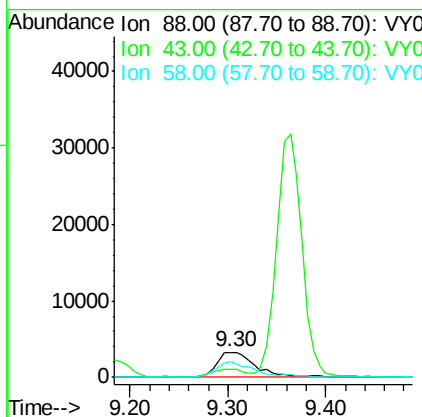
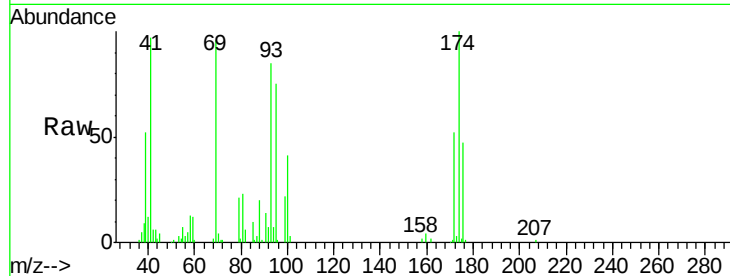
#49
1,4-Dioxane
Concen: 438.123 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	88	Resp	9146
Ion Ratio	Lower	Upper	
88	100		
43	27.8	21.3	31.9
58	57.6	52.2	78.2

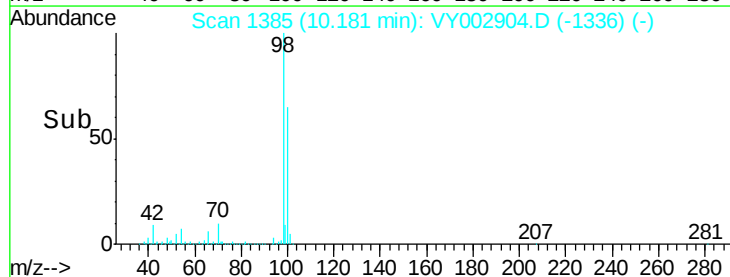
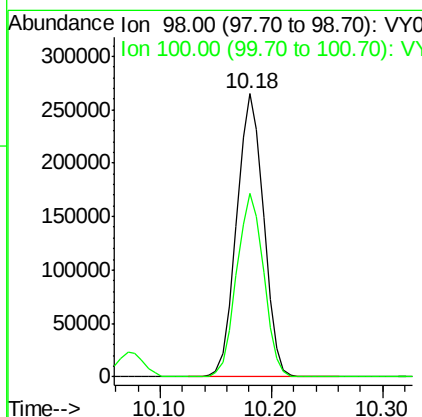
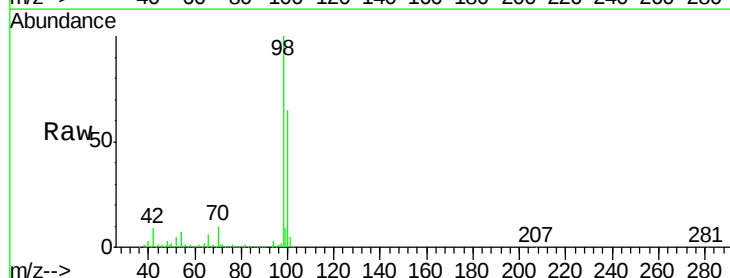
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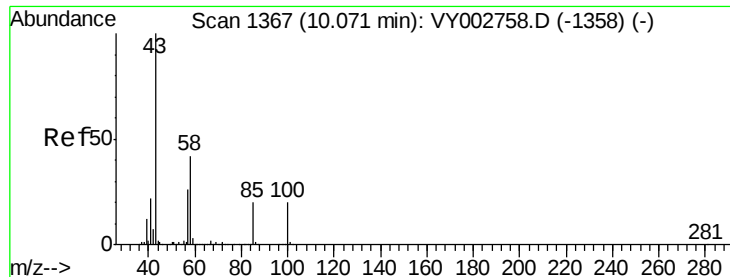
MMDadoda
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#50
Toluene-d8
Concen: 48.861 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Tgt Ion	98	Resp	444040
Ion Ratio	Lower	Upper	
98	100		
100	65.0	52.2	78.2





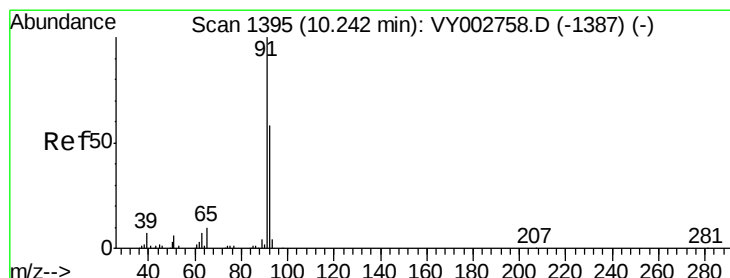
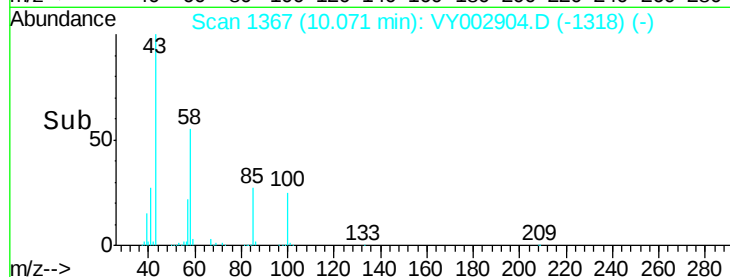
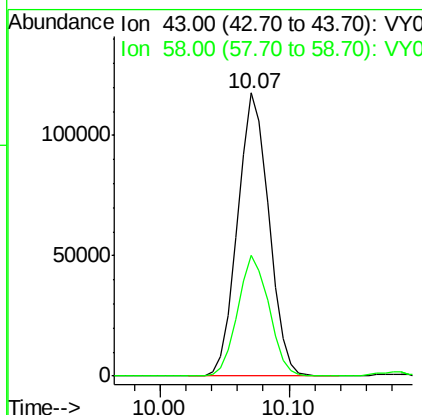
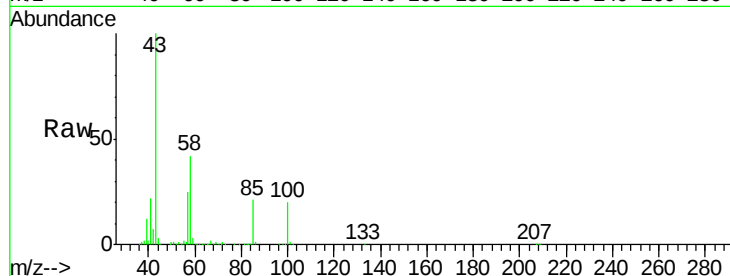
#51
4-Methyl-2-Pentanone
Concen: 112.382 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.4	34.2	51.2

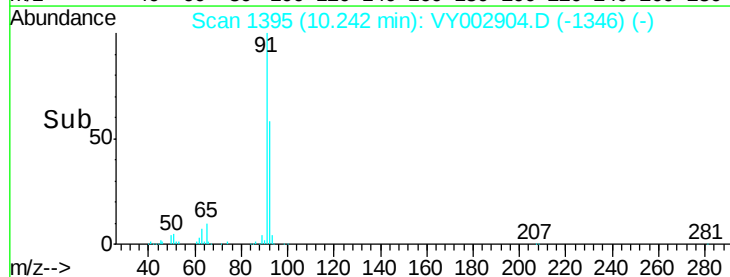
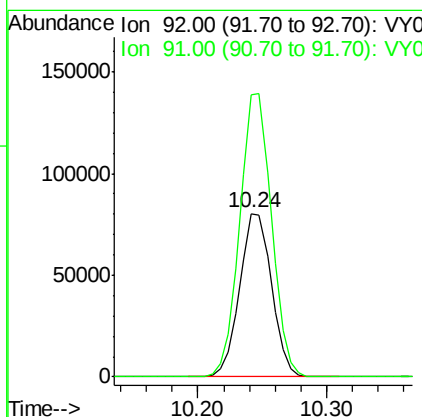
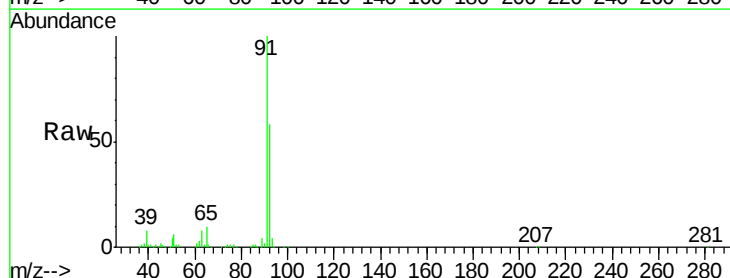
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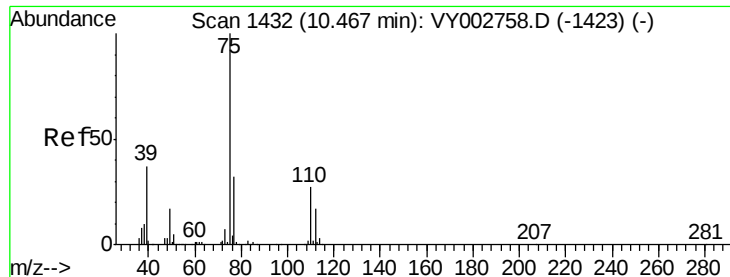
MMDadoda
6/18/2020 11:14:26 AM



#52
Toluene
Concen: 22.013 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.7	138.5	207.7





#53

t-1,3-Dichloropropene

Concen: 22.646 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion: 75 Resp: 79279

Ion Ratio Lower Upper

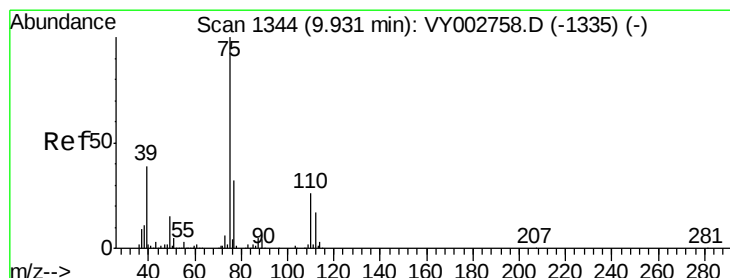
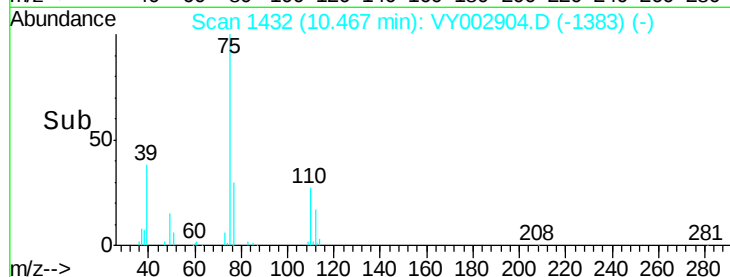
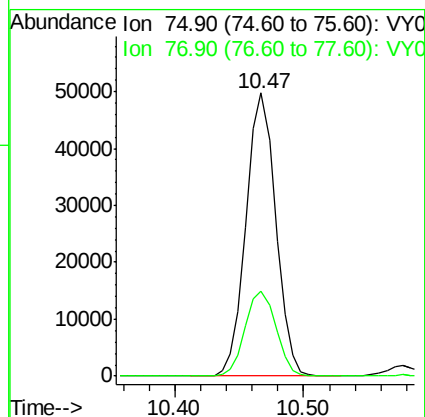
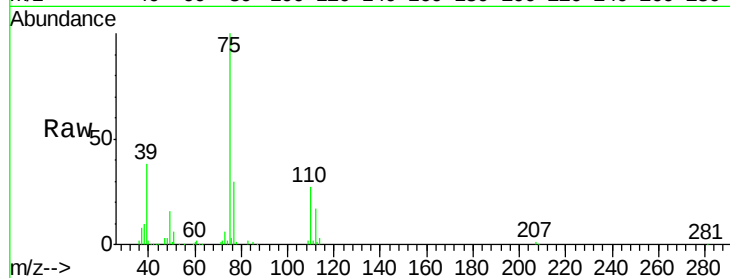
75 100

77 29.9 25.3 37.9

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 22.354 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

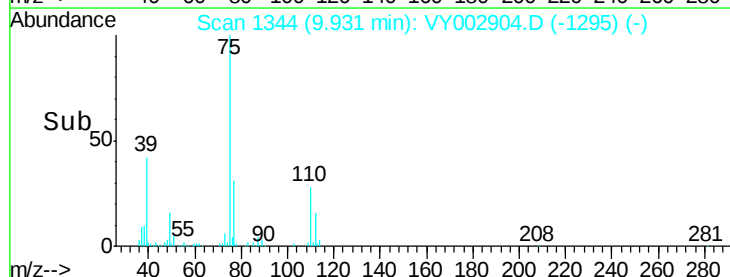
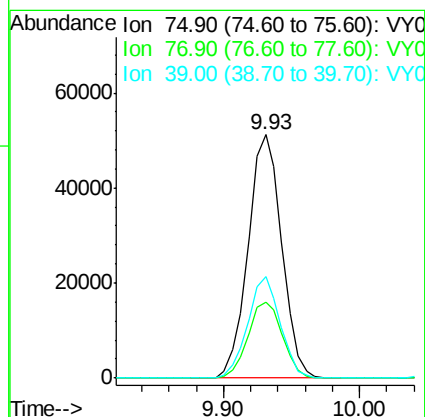
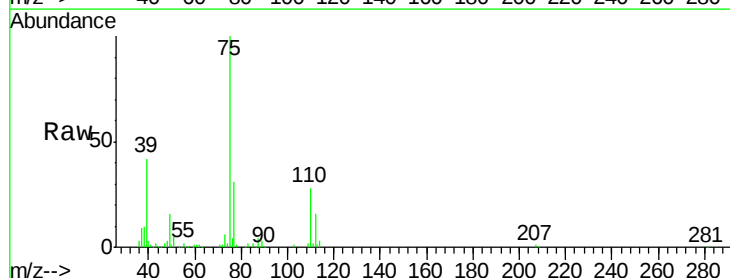
Tgt Ion: 75 Resp: 88673

Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4

39 41.9 31.3 46.9





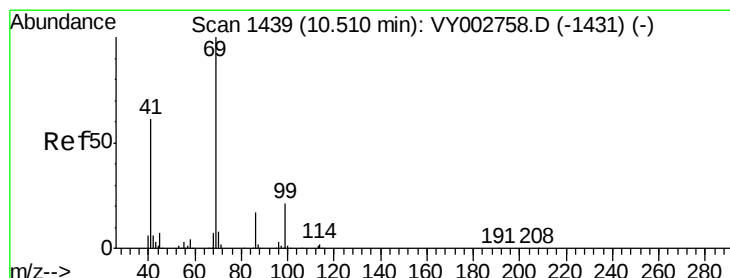
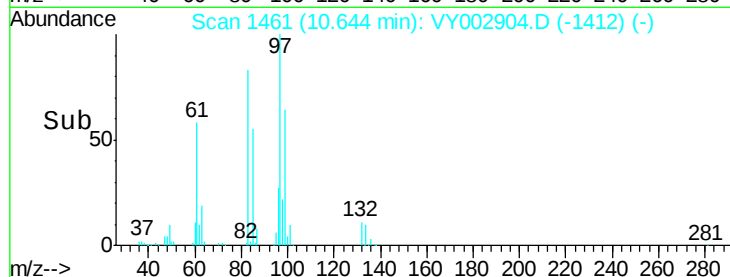
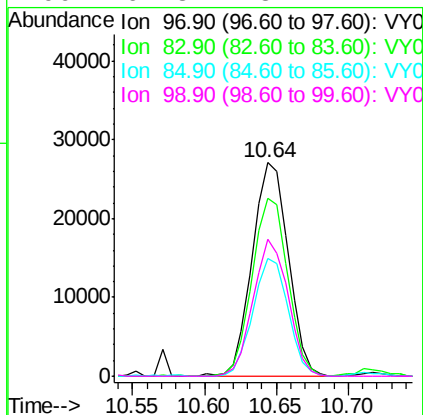
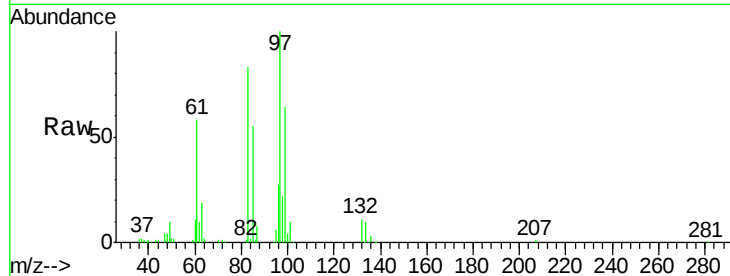
#55
 1,1,2-Trichloroethane
 Concen: 22.531 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY002904.D
 Acq: 16 Jun 2020 12:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0616SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		46896		
83	82.8	62.7	94.1		
85	55.3	40.6	60.8		
99	64.3	48.2	72.4		

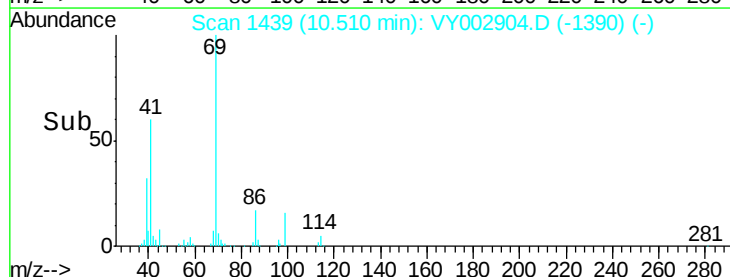
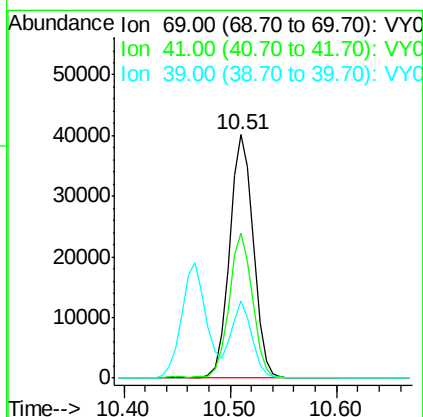
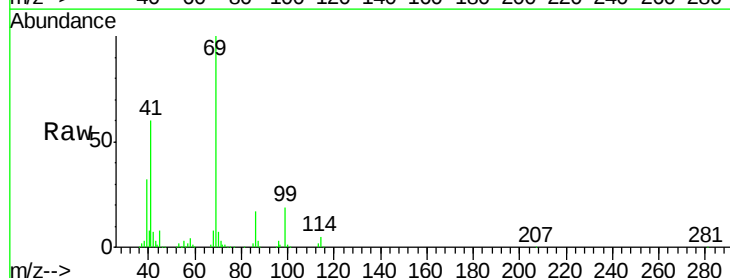
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#56
 Ethyl methacrylate
 Concen: 22.495 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY002904.D
 Acq: 16 Jun 2020 12:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		62713		
41	58.2	47.0	70.4		
39	27.9	22.0	33.0		





#57

1,3-Dichloropropane

Concen: 22.585 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion: 76 Resp: 77319

Ion Ratio Lower Upper

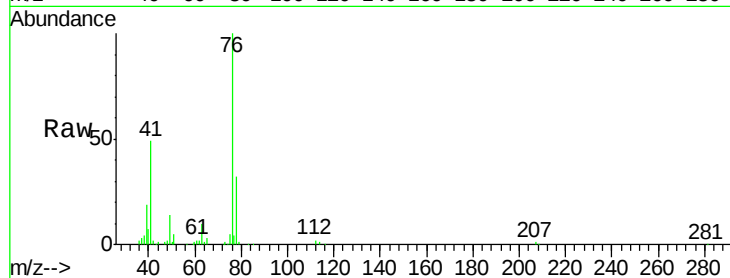
76 100

78 33.2 26.1 39.1

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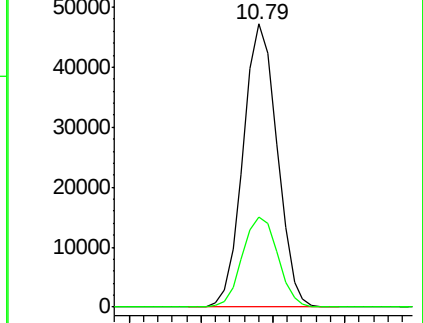
MMDadoda

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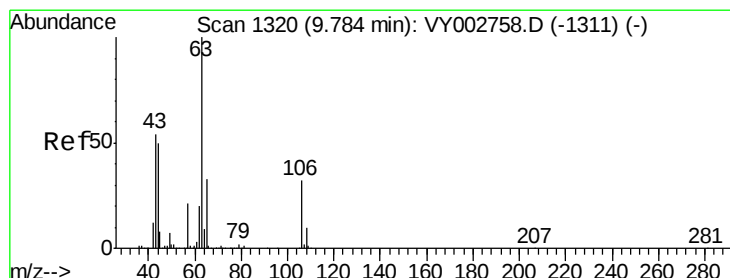
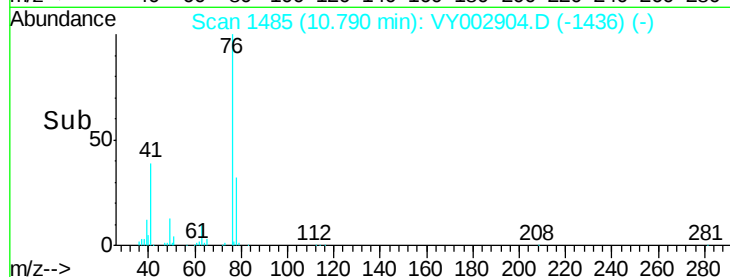


Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



Time--> 10.70 10.75 10.80 10.85



#58

2-Chloroethyl Vinyl ether

Concen: 112.591 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY002904.D

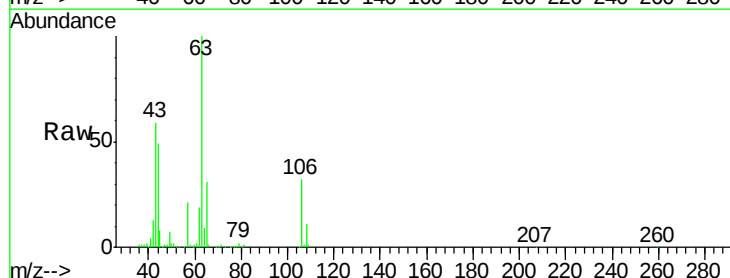
Acq: 16 Jun 2020 12:59

Tgt Ion: 63 Resp: 153375

Ion Ratio Lower Upper

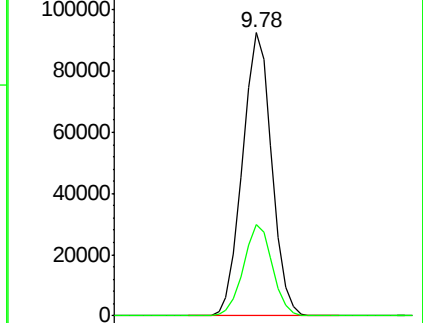
63 100

106 32.1 25.4 38.2

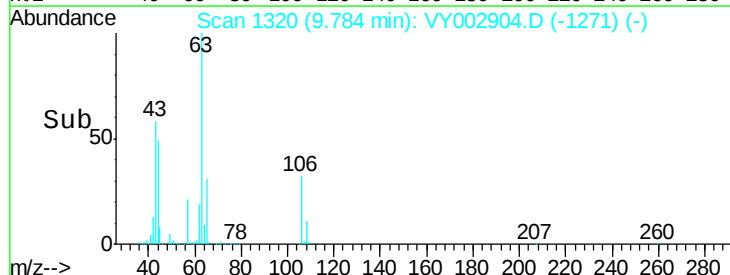


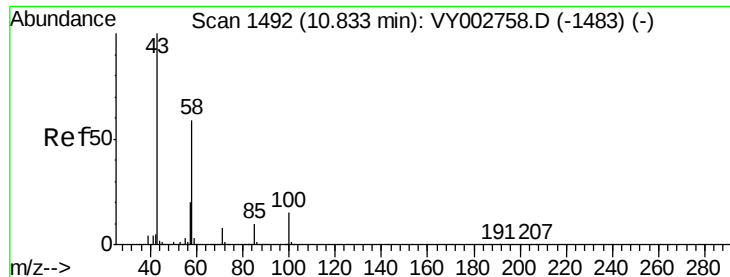
Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V



Time--> 9.70 9.75 9.80 9.85





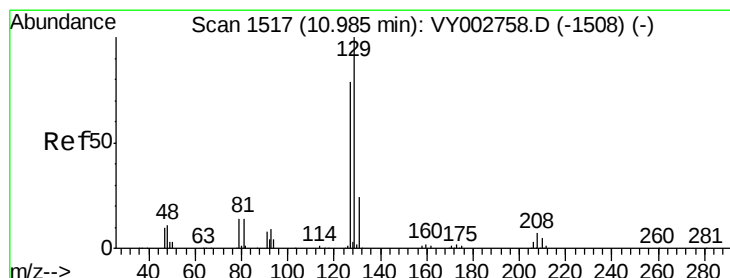
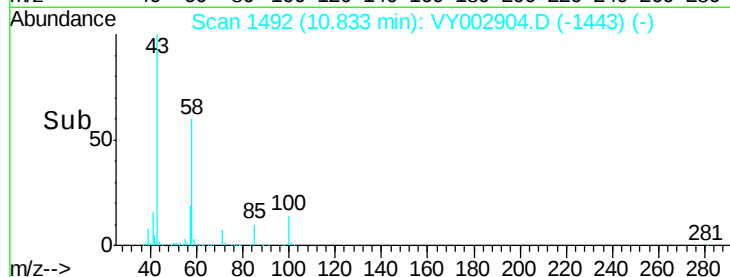
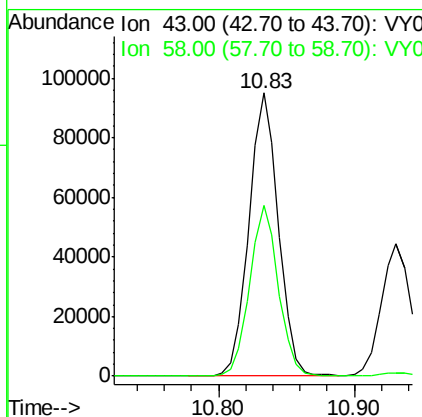
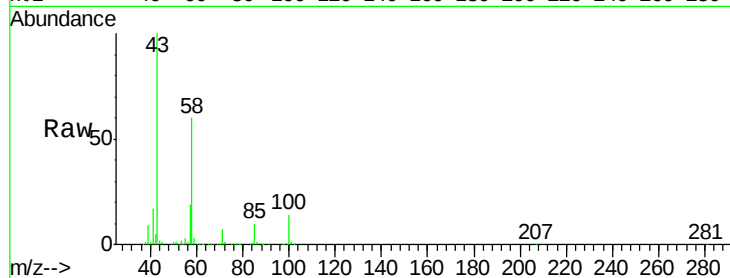
#59
2-Hexanone
Concen: 114.828 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion: 43 Resp: 143703
Ion Ratio Lower Upper
43 100
58 59.0 29.5 88.5

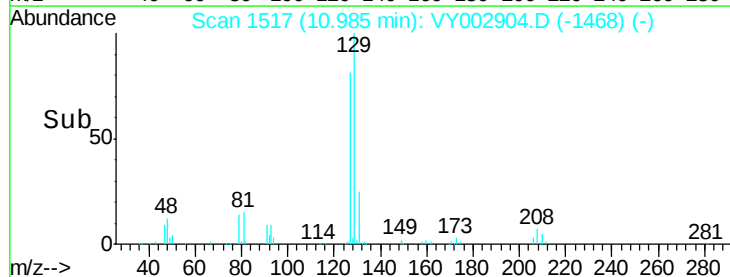
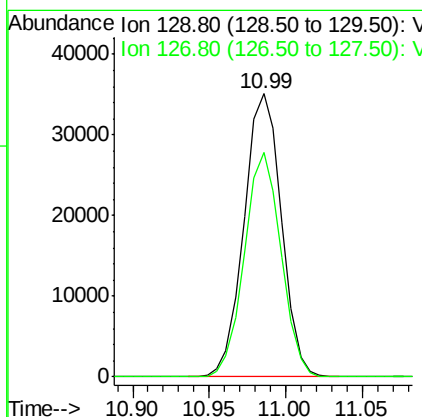
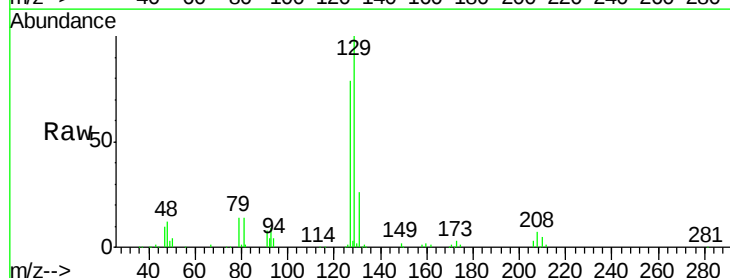
Manual Integrations
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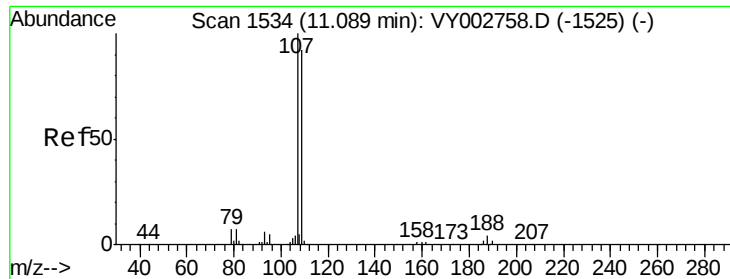
MMDadoda
6/18/2020 11:14:26 AM



#60
Dibromochloromethane
Concen: 22.636 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Tgt Ion: 129 Resp: 59732
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.3





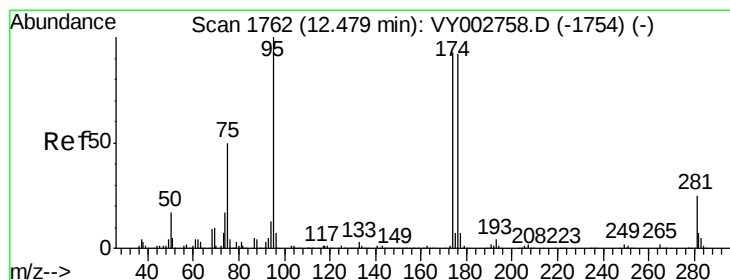
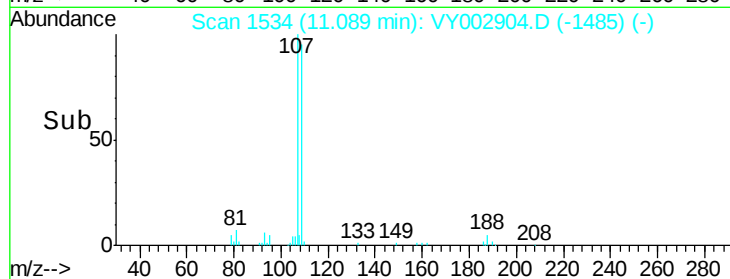
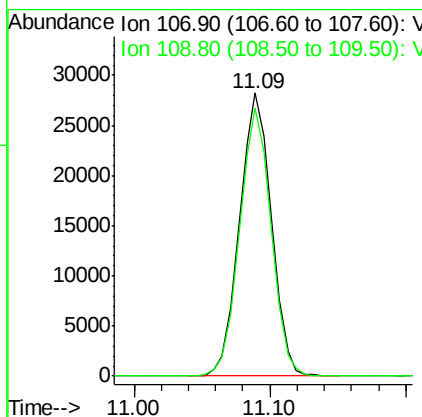
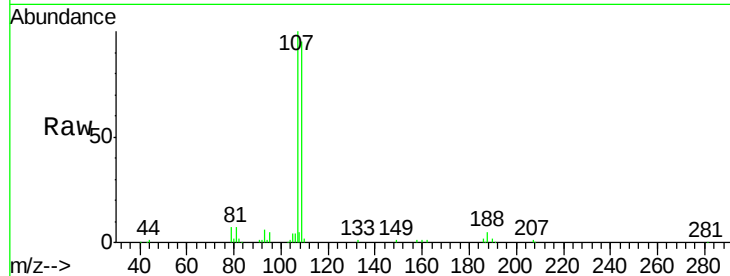
#61
 1,2-Dibromoethane
 Concen: 22.490 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY002904.D
 Acq: 16 Jun 2020 12:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0616SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.6	113.4

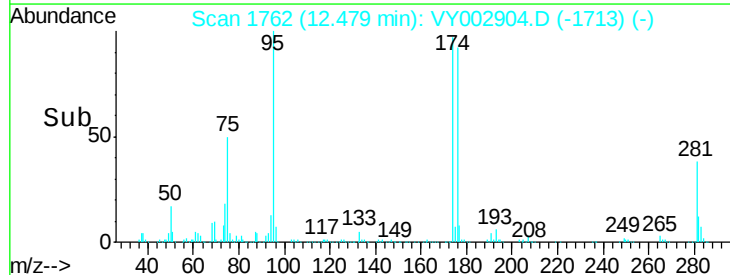
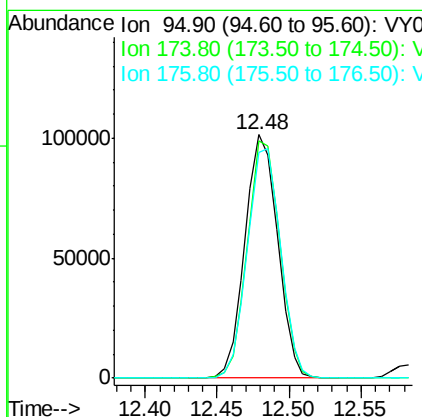
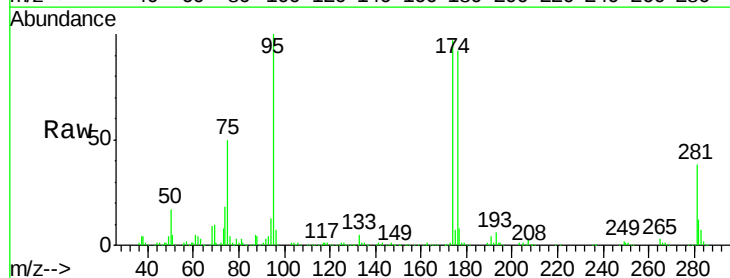
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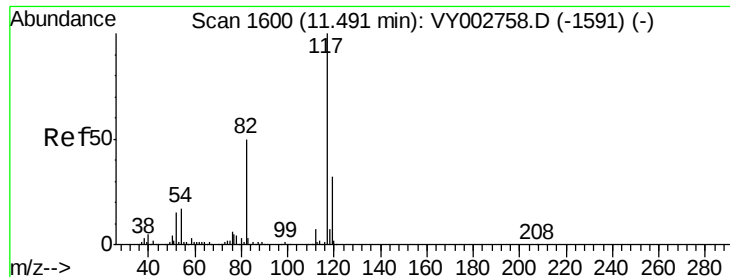
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#62
 4-Bromofluorobenzene
 Concen: 51.297 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY002904.D
 Acq: 16 Jun 2020 12:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.2	0.0	191.2
176	95.8	0.0	188.8





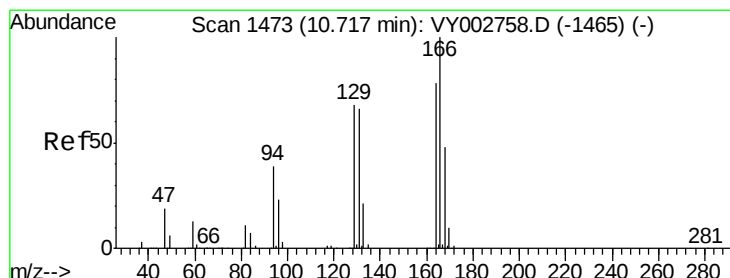
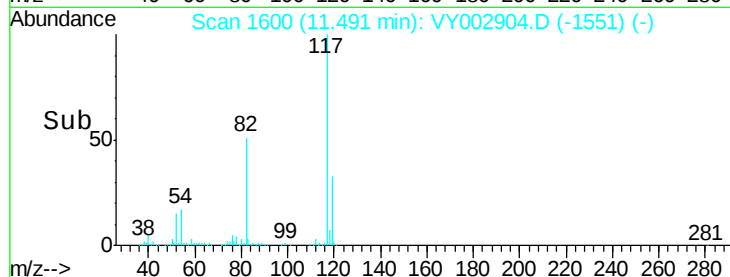
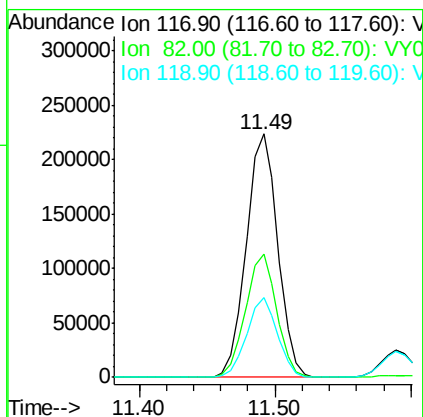
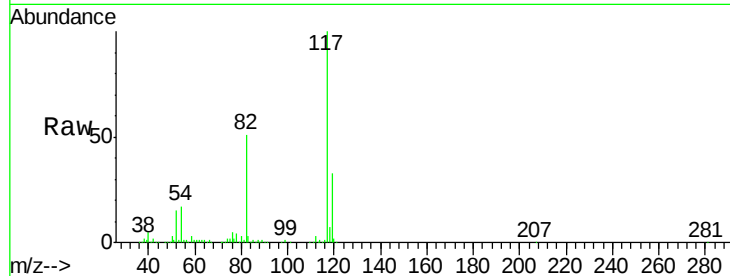
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	40.2	60.4
119	32.6	25.8	38.8

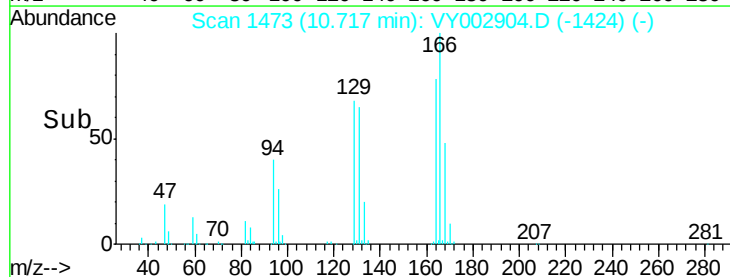
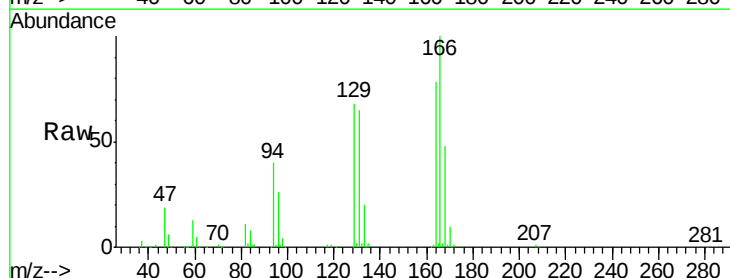
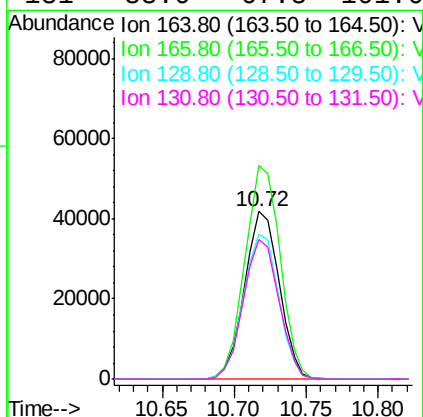
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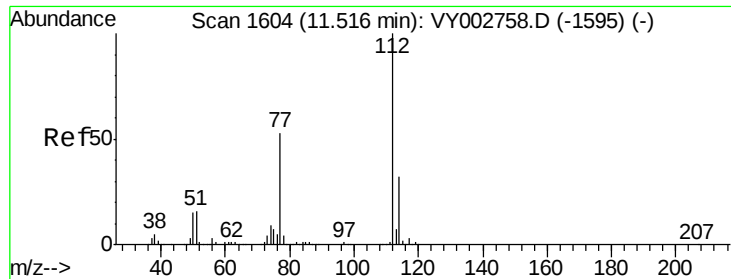
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#64
Tetrachloroethene
Concen: 21.212 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	102.3	153.5
129	86.8	69.4	104.2
131	83.0	67.8	101.6





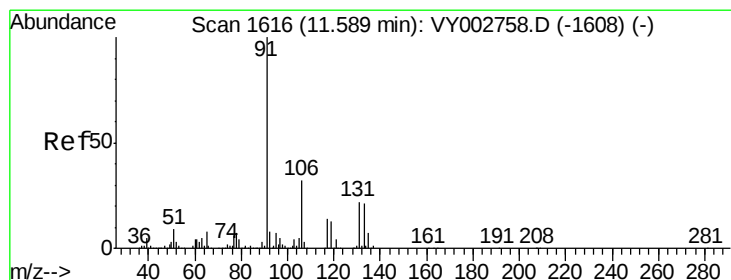
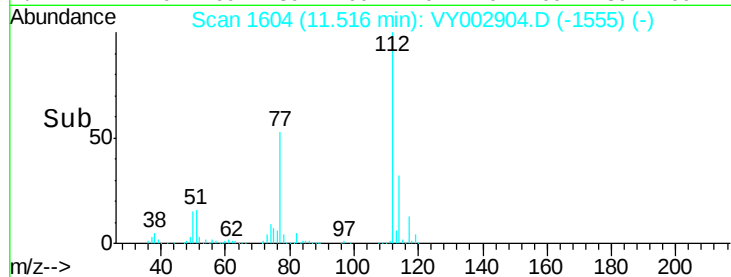
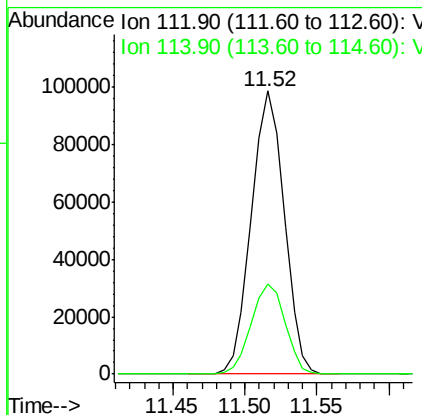
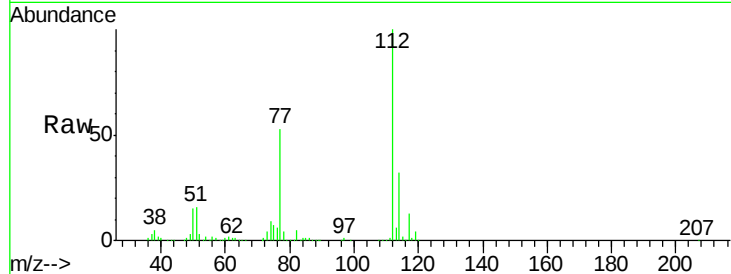
#65
Chlorobenzene
Concen: 21.792 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.7	38.5

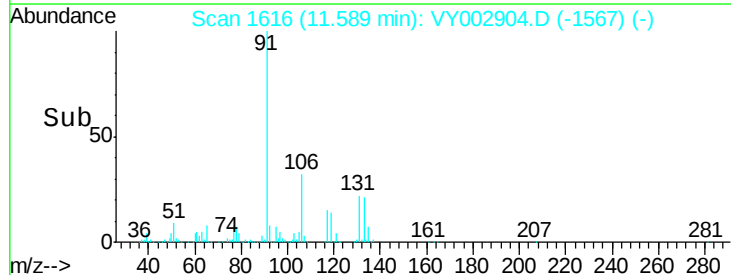
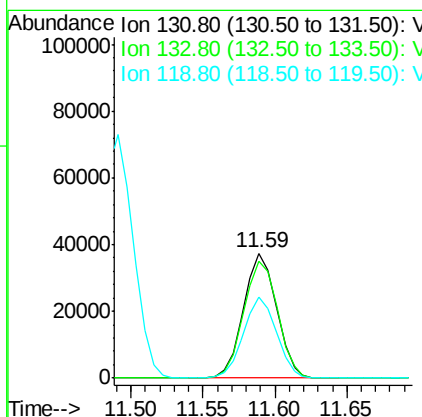
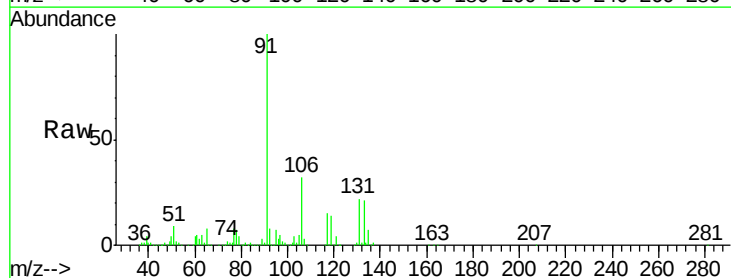
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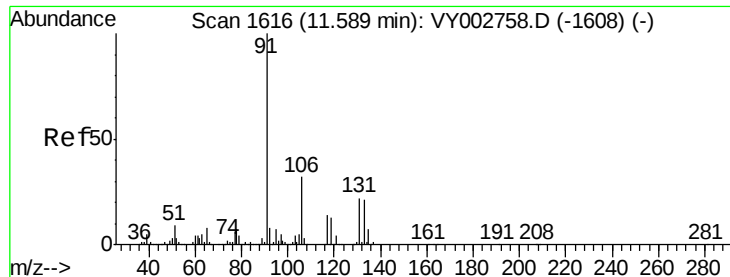
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.078 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	47.6	142.8
119	64.3	31.7	95.1





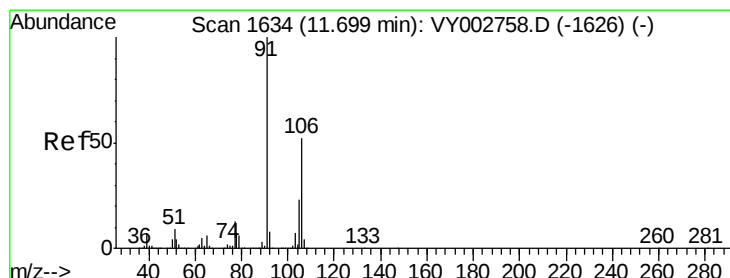
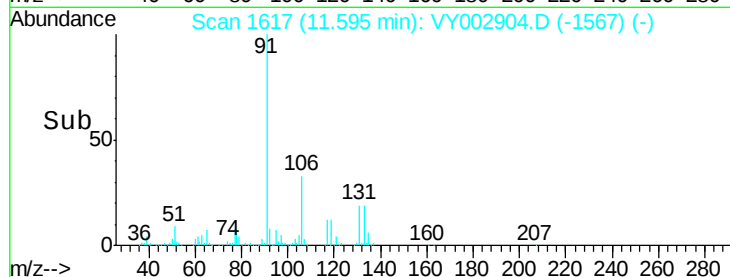
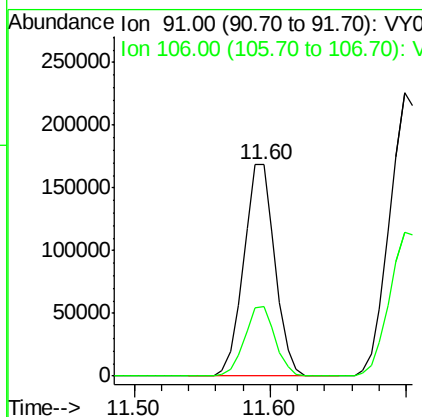
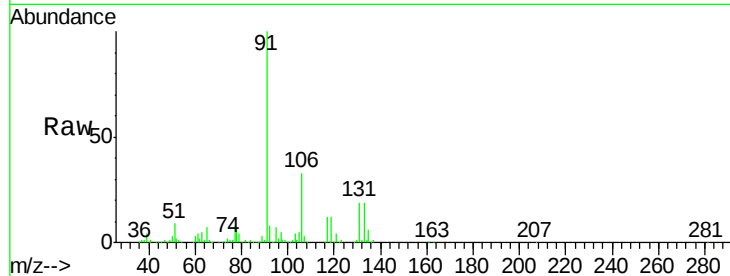
#67
Ethyl Benzene
Concen: 21.751 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	33.2	25.7	38.5

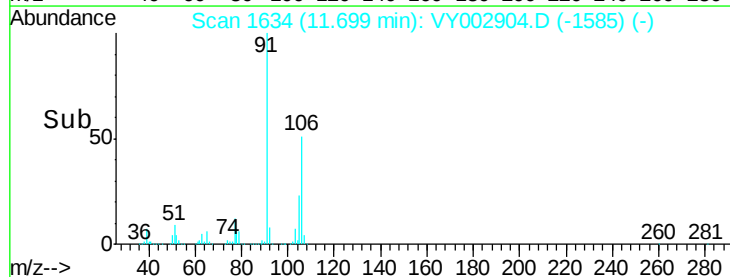
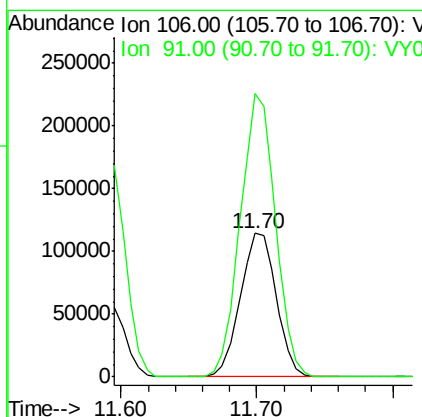
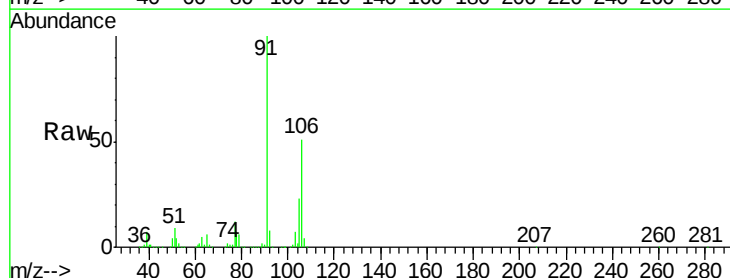
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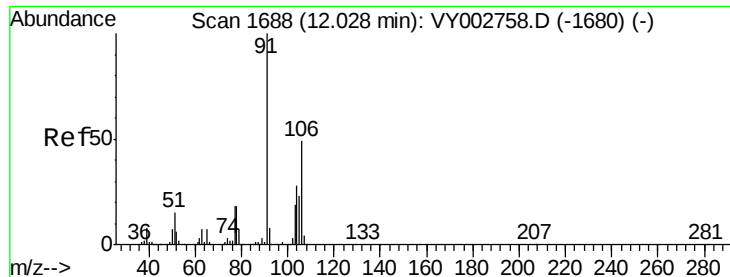
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#68
m/p-Xylenes
Concen: 43.820 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Tgt Ion	Ratio	Lower	Upper
106	100		
91	193.4	156.0	234.0





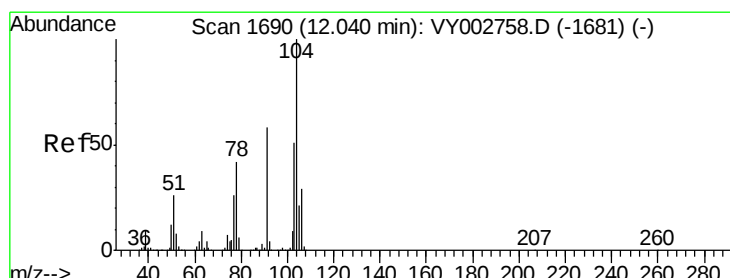
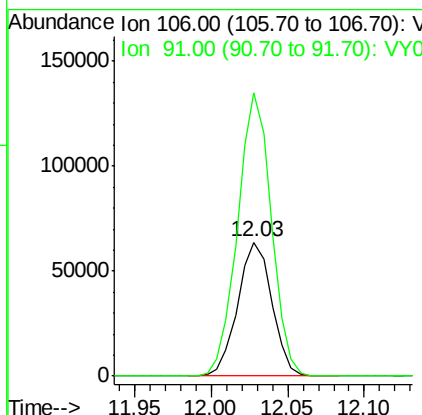
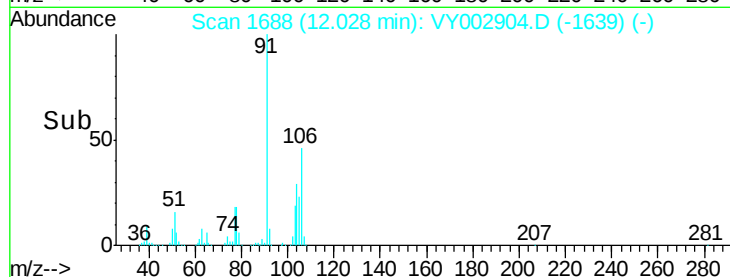
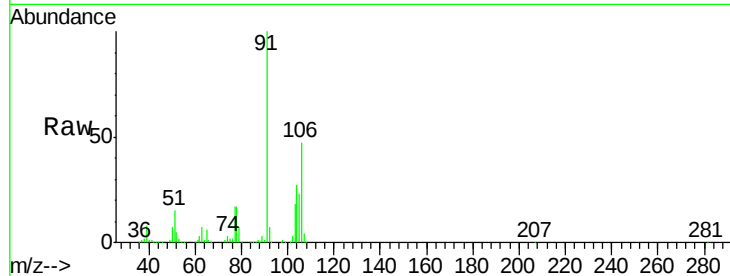
#69
o-Xylene
Concen: 21.688 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion:106 Resp: 98589
Ion Ratio Lower Upper
106 100
91 208.8 102.4 307.1

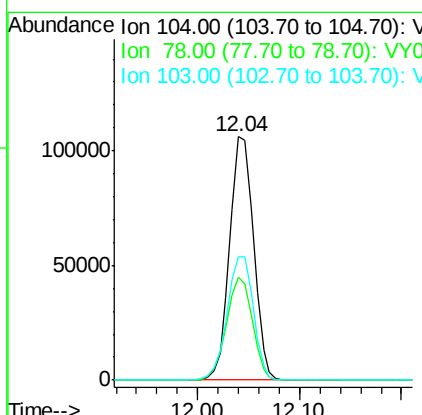
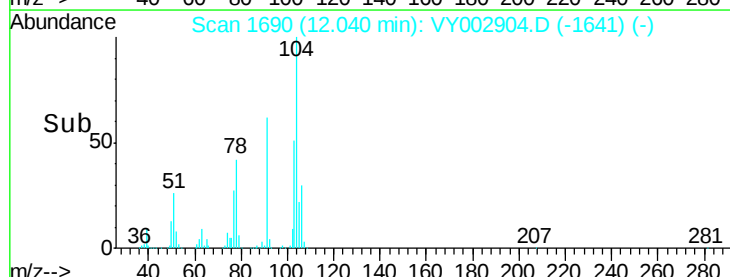
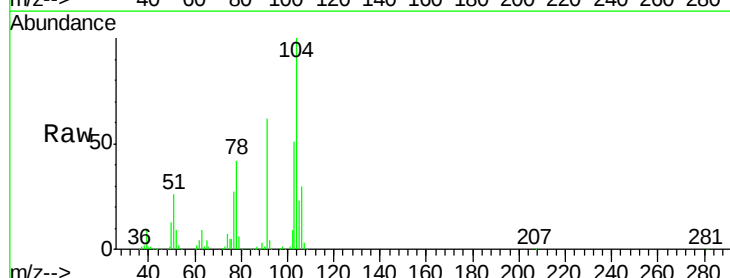
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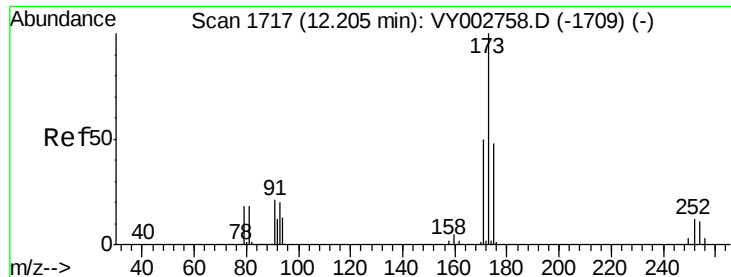
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#70
Styrene
Concen: 21.838 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Tgt Ion:104 Resp: 172088
Ion Ratio Lower Upper
104 100
78 45.9 36.2 54.4
103 55.6 43.6 65.4





#71

Bromoform

Concen: 22.756 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion:173 Resp: 41082

Ion Ratio Lower Upper

173 100

175 49.1 24.3 72.8

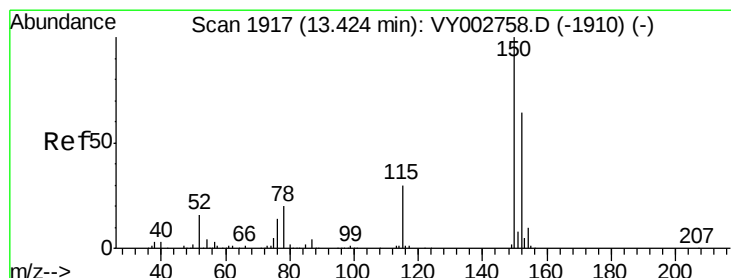
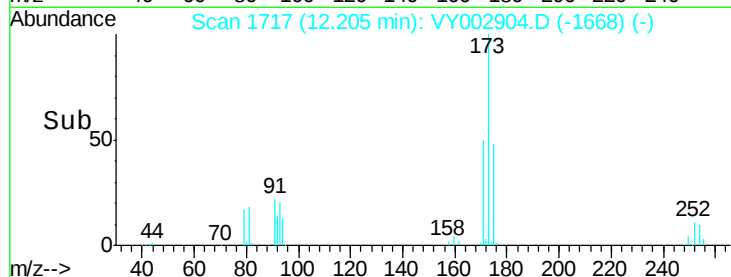
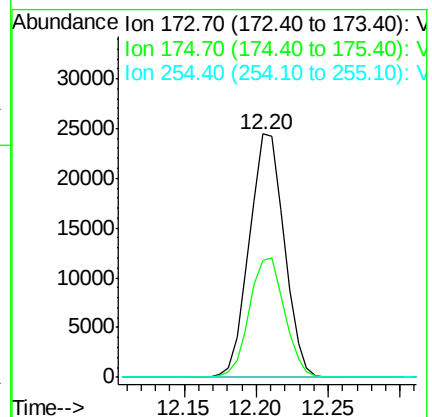
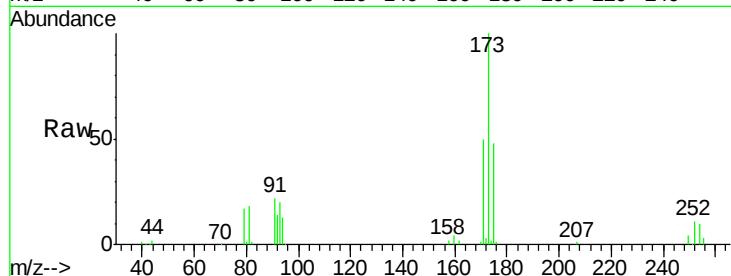
254 0.0 0.1 0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

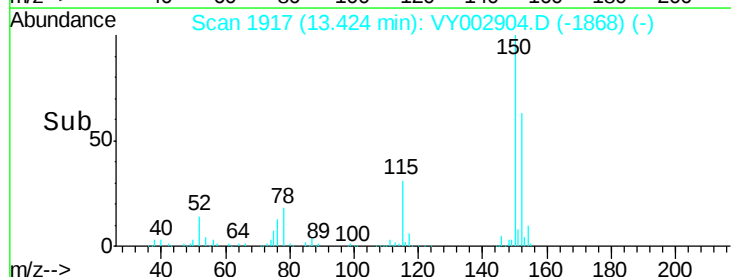
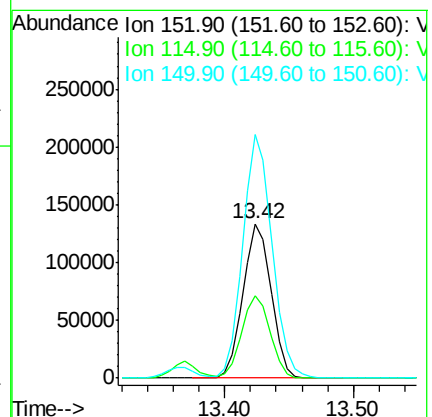
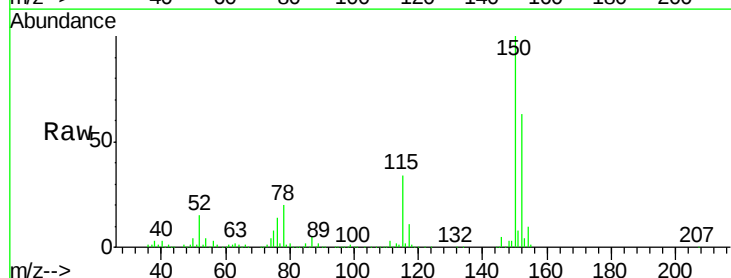
Tgt Ion:152 Resp: 201115

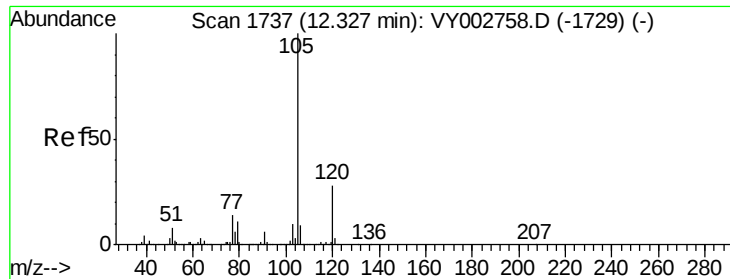
Ion Ratio Lower Upper

152 100

115 54.0 27.0 81.0

150 164.5 0.0 344.8





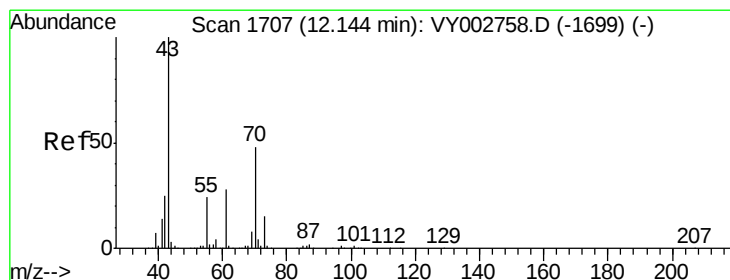
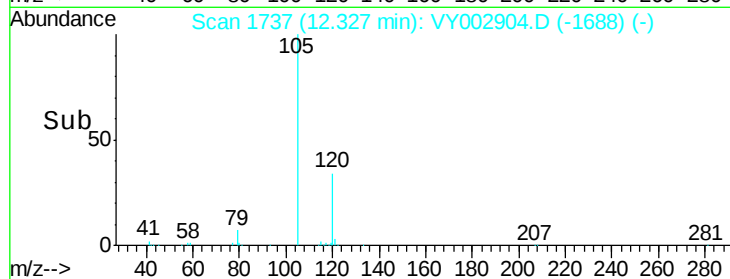
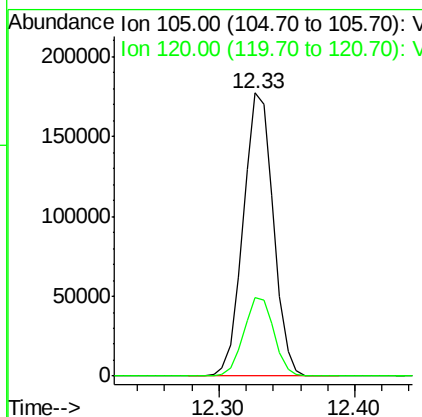
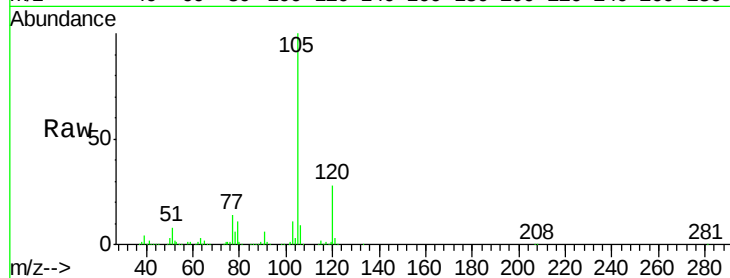
#73
Isopropylbenzene
Concen: 21.239 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.8	13.7	41.1

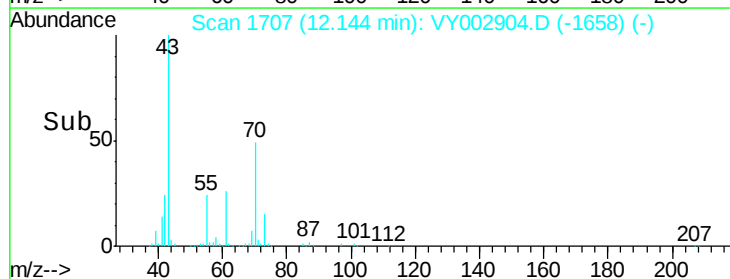
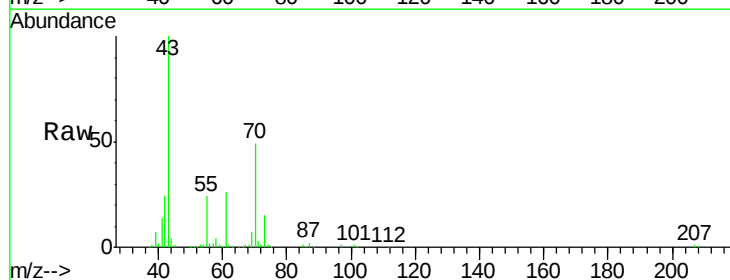
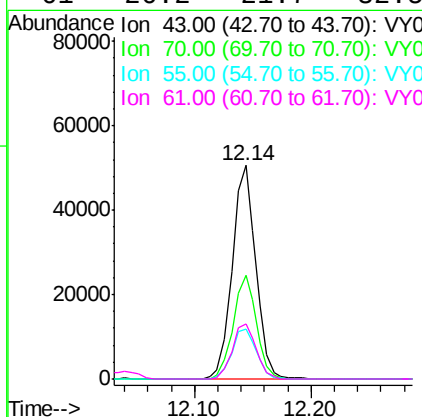
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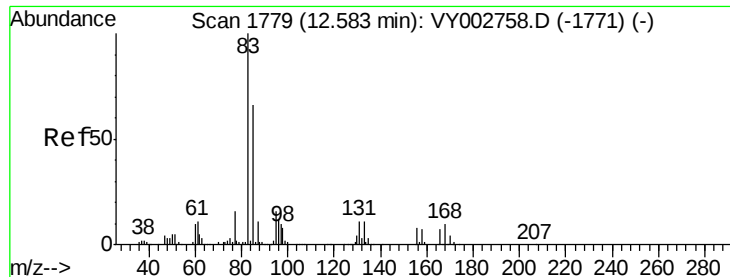
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#74
N-ethyl acetate
Concen: 21.512 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.8	37.7	56.5
55	24.9	19.8	29.6
61	26.2	21.7	32.5





#75

1,1,2,2-Tetrachloroethane

Concen: 23.020 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Instrument :

MSVOA_Y

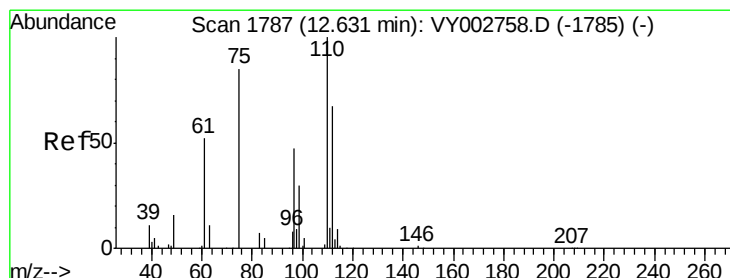
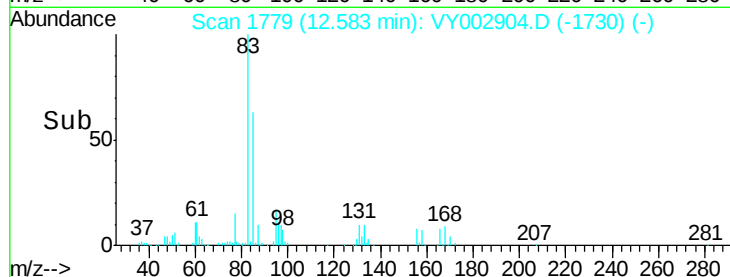
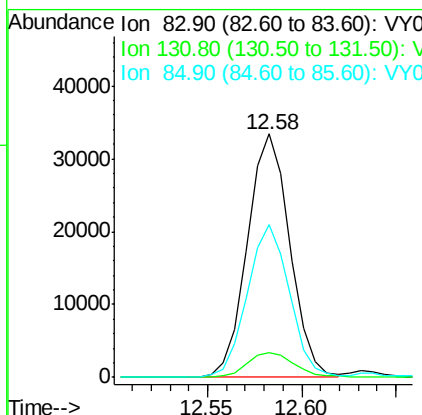
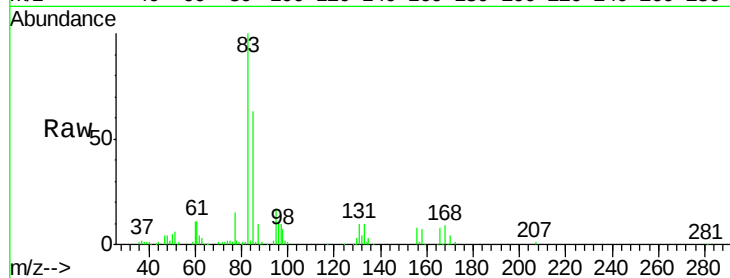
ClientSampleId :

VY0616SBS01

Tot Ion:	83	Resp:	52055
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.8	17.4
85	62.6	32.6	98.0

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#76

1,2,3-Trichloropropane

Concen: 22.431 ug/l m

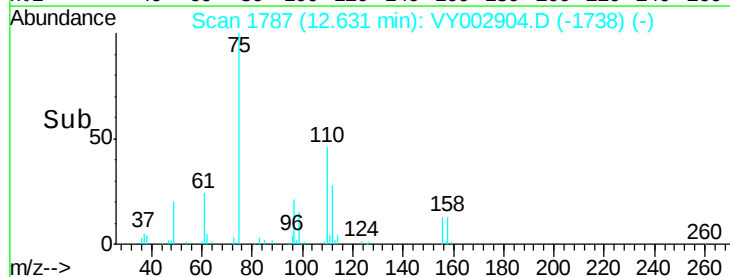
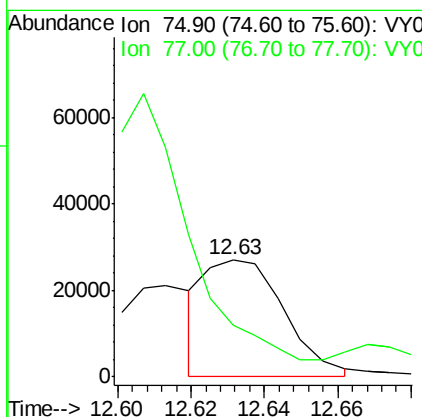
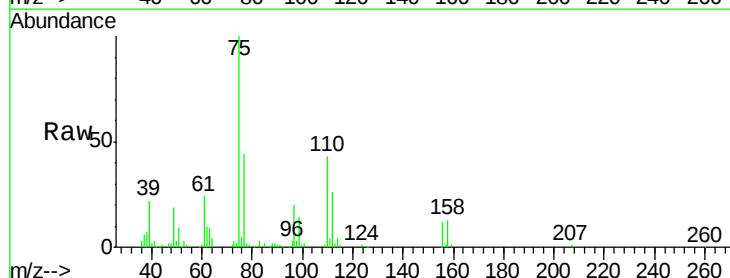
RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Tgt Ion:	75	Resp:	40649
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.998 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Instrument :

MSVOA_Y

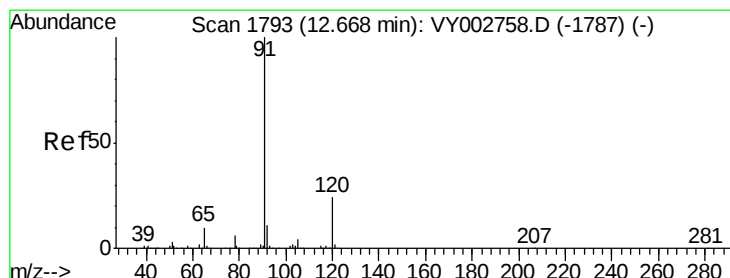
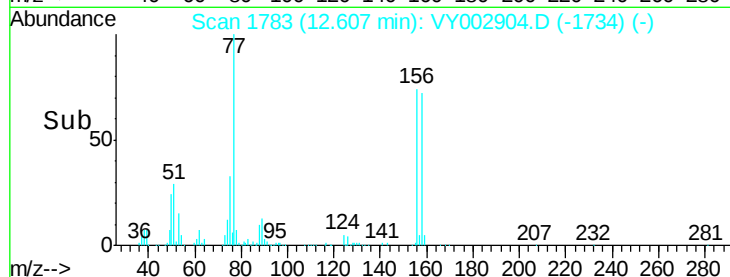
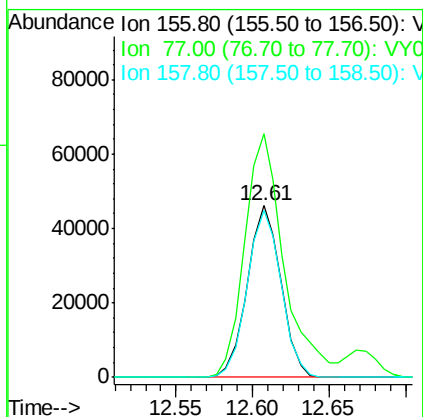
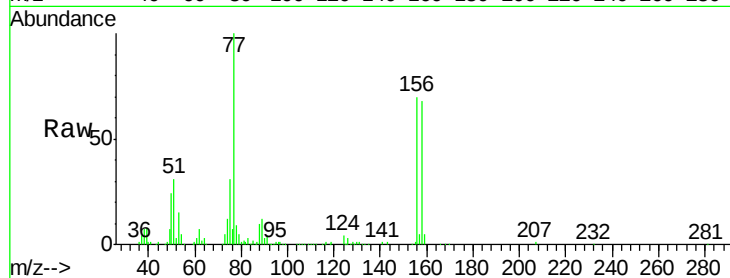
ClientSampleId :

VY0616SBSD01

Tot Ion:	156	Resp:	70467
Ion Ratio	Lower	Upper	
156	100		
77	164.6	81.4	244.2
158	98.2	48.5	145.6

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#78

n-propylbenzene

Concen: 21.300 ug/l

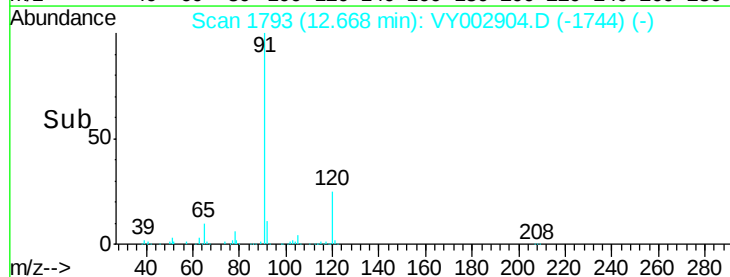
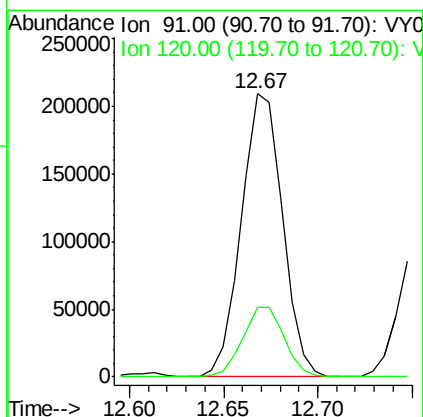
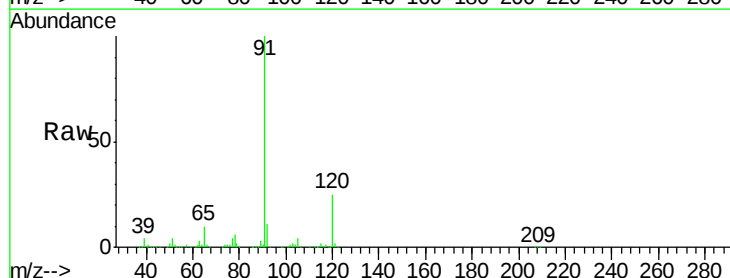
RT: 12.67 min Scan# 1793

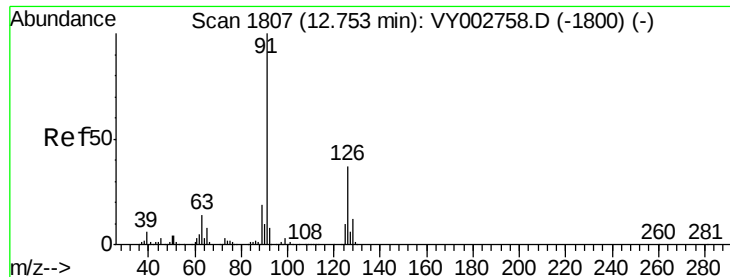
Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Tgt Ion:	91	Resp:	317100
Ion Ratio	Lower	Upper	
91	100		
120	24.9	12.3	36.9





#79

2-Chlorotoluene

Concen: 21.139 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion: 91 Resp: 176532

Ion Ratio Lower Upper

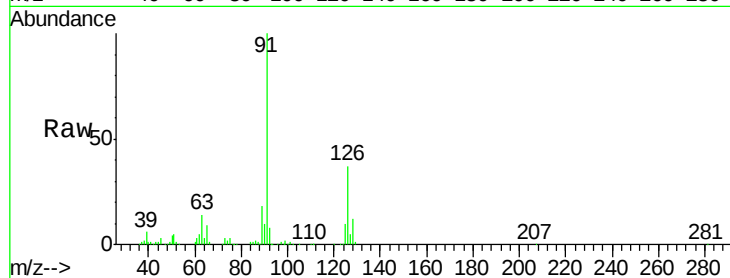
91 100

126 37.2 18.4 55.4

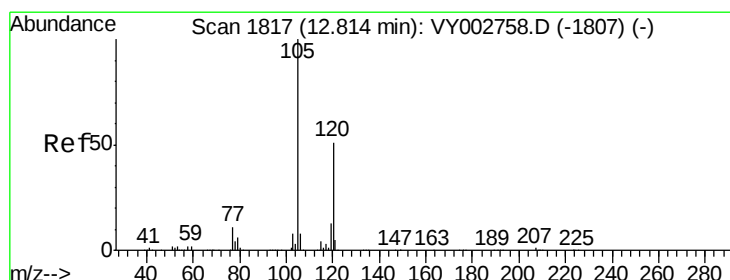
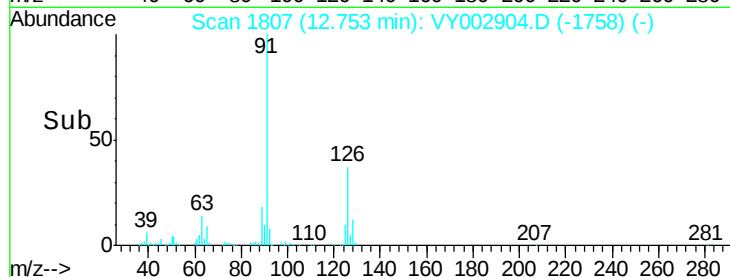
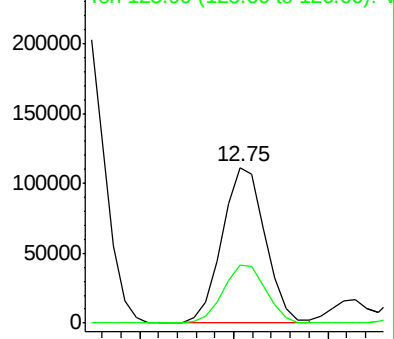
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Abundance Ion 91.00 (90.70 to 91.70): VY002904.D (-1758) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.542 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY002904.D

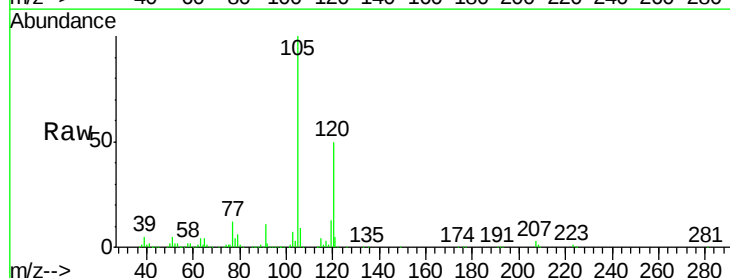
Acq: 16 Jun 2020 12:59

Tgt Ion: 105 Resp: 231817

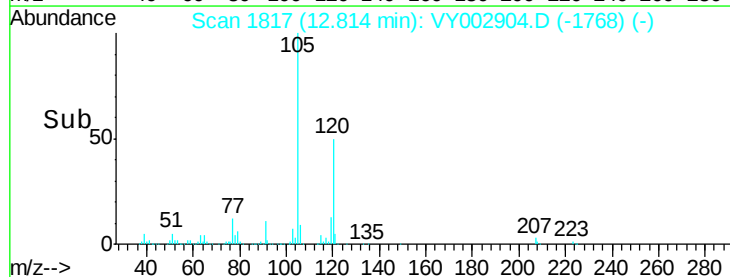
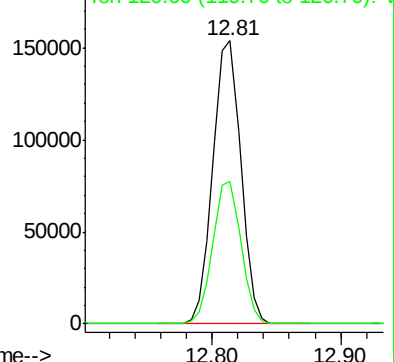
Ion Ratio Lower Upper

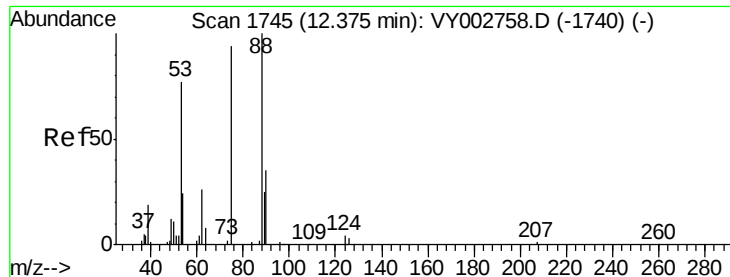
105 100

120 50.6 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VY002904.D (-1768) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.132 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Instrument :

MSVOA_Y

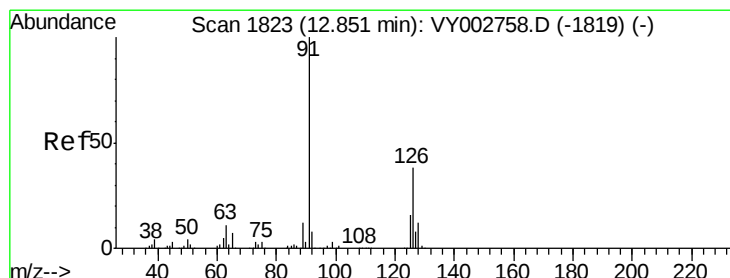
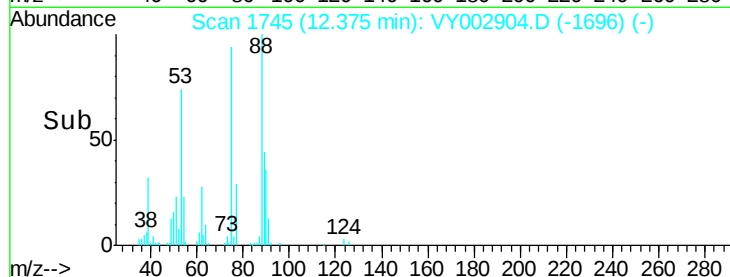
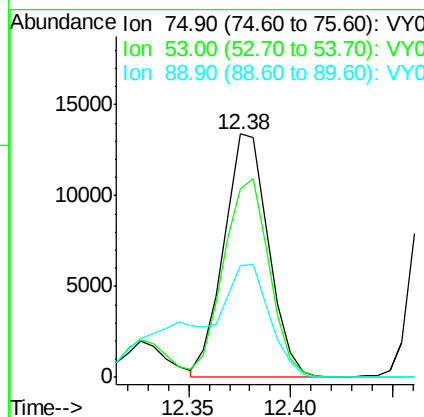
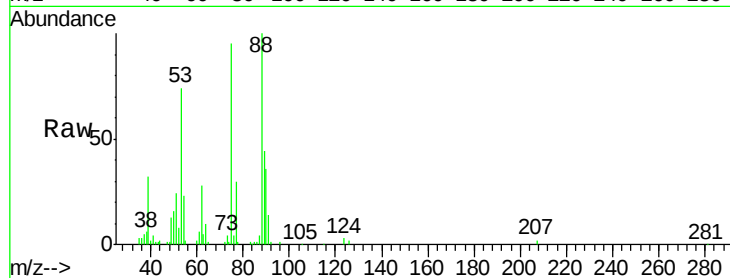
ClientSampleId :

VY0616SBS01

Tot Ion:	75	Resp:	20326
Ion	Ratio	Lower	Upper
75	100		
53	83.4	64.0	96.0
89	48.2	37.4	56.2

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#82

4-Chlorotoluene

Concen: 21.273 ug/l

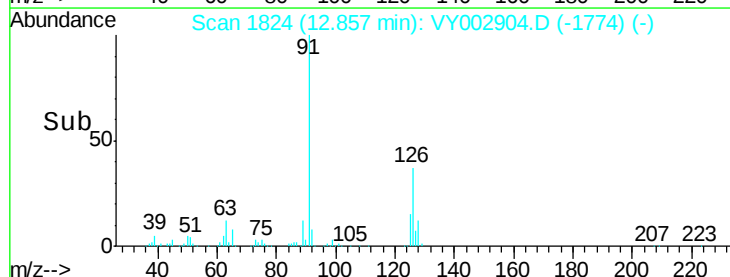
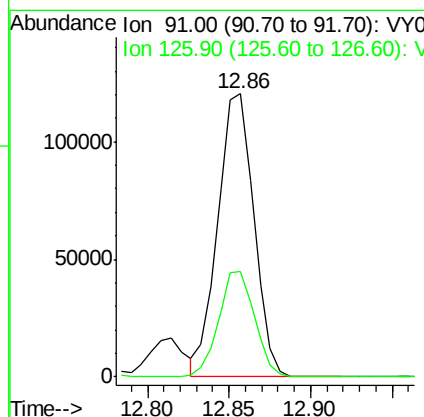
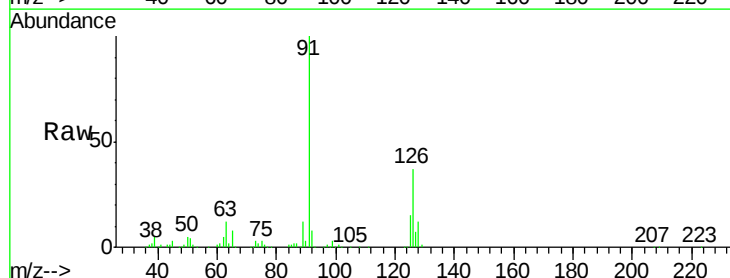
RT: 12.86 min Scan# 1824

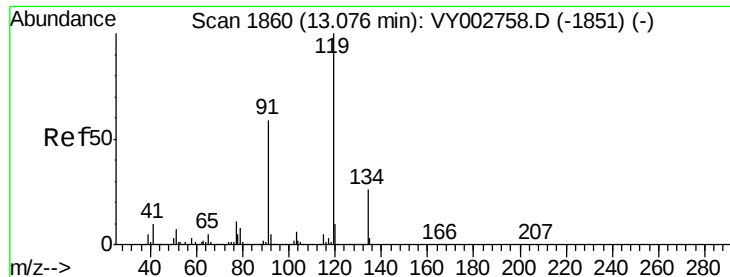
Delta R.T. 0.01 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Tgt Ion:	91	Resp:	186131
Ion	Ratio	Lower	Upper
91	100		
126	37.1	18.5	55.5





#83

tert-Butylbenzene

Concen: 21.601 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Instrument :

MSVOA_Y

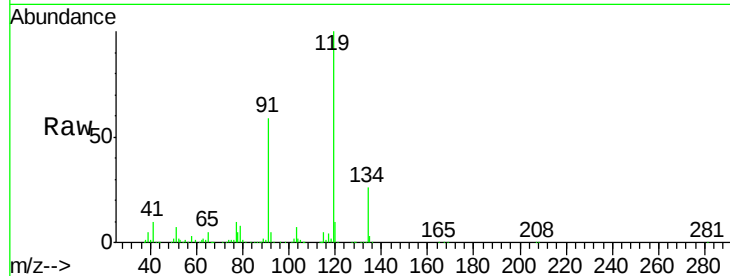
ClientSampleId :

VY0616SBSD01

Tot Ion:	119	Resp:	207348
Ion Ratio	Lower	Upper	
119	100		
91	59.9	29.8	89.4
134	27.0	13.3	39.8

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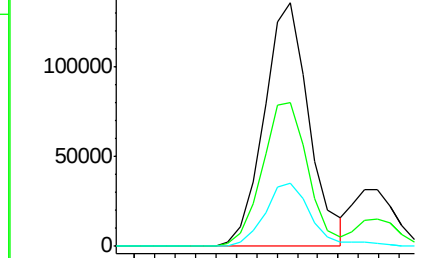
MMDadoda
6/18/2020 11:14:26 AM



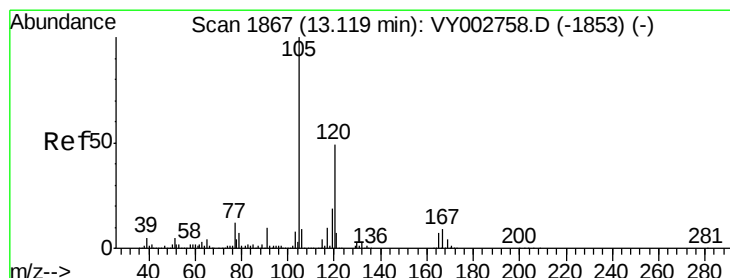
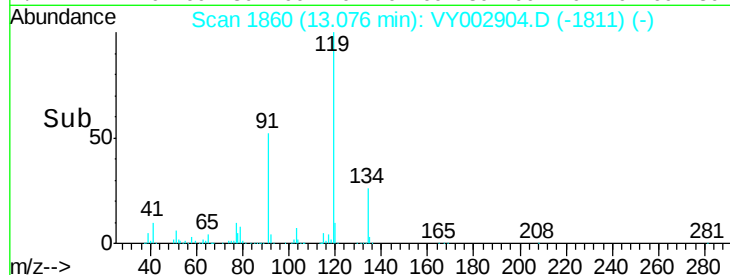
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



Time--> 13.00 13.05 13.10



#84

1,2,4-Trimethylbenzene

Concen: 21.672 ug/l

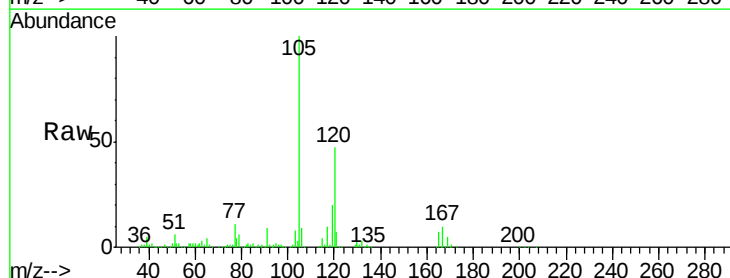
RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY002904.D

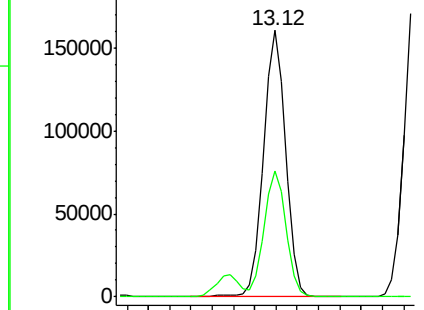
Acq: 16 Jun 2020 12:59

Tgt Ion:	105	Resp:	234501
Ion Ratio	Lower	Upper	
105	100		
120	46.6	23.6	70.8

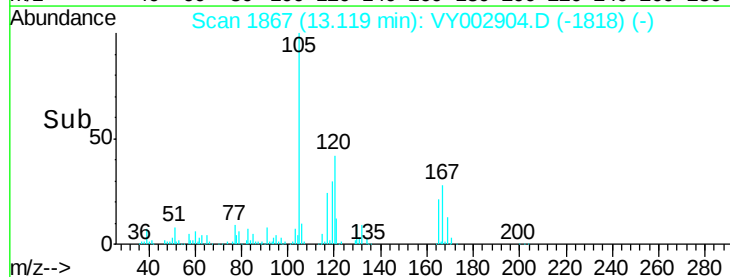


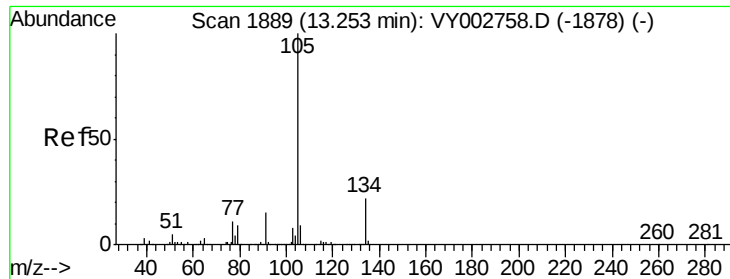
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 13.00 13.10 13.20





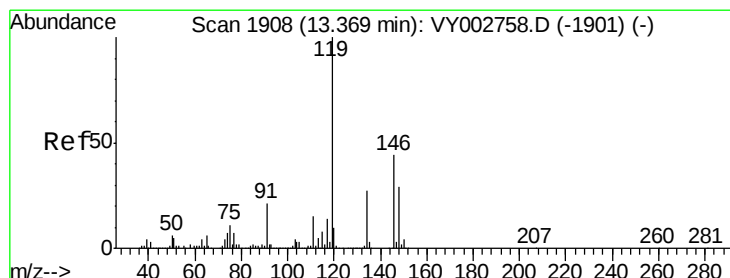
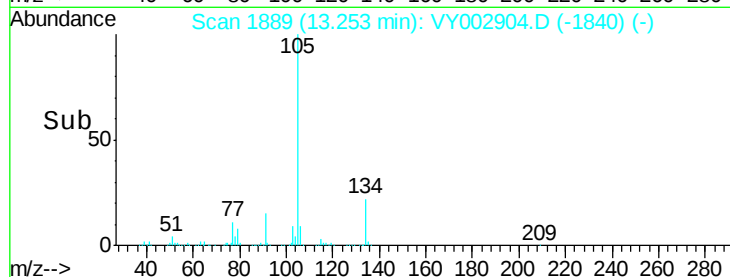
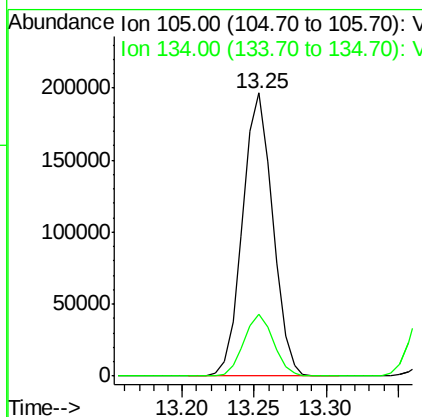
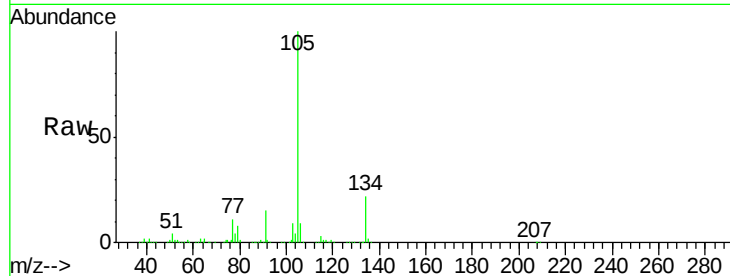
#85
 sec-Butylbenzene
 Concen: 21.685 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VY002904.D
 Acq: 16 Jun 2020 12:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0616SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.6	10.8	32.4

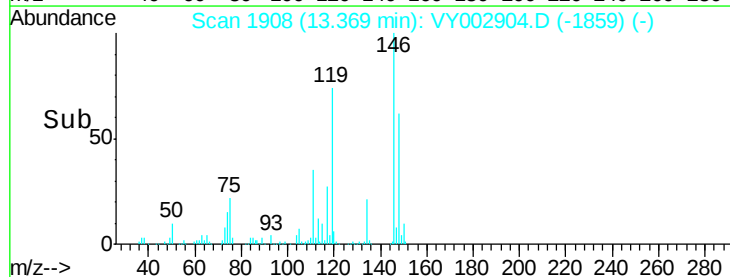
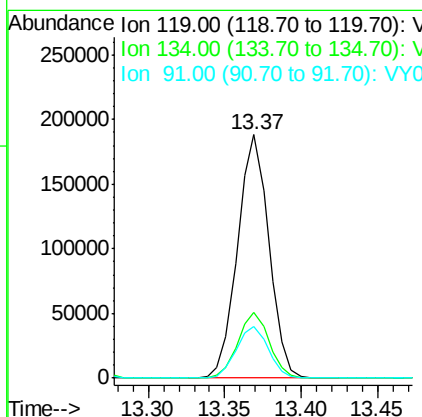
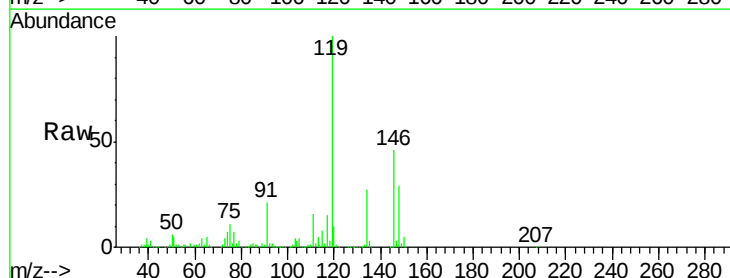
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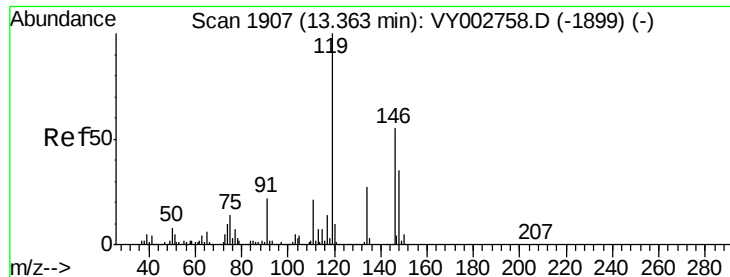
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#86
 p-Isopropyltoluene
 Concen: 21.854 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY002904.D
 Acq: 16 Jun 2020 12:59

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.7	41.0
91	21.6	10.8	32.4





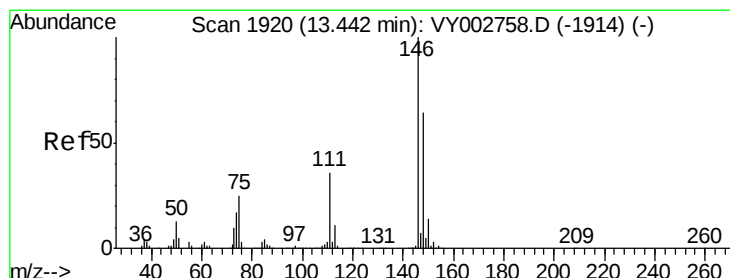
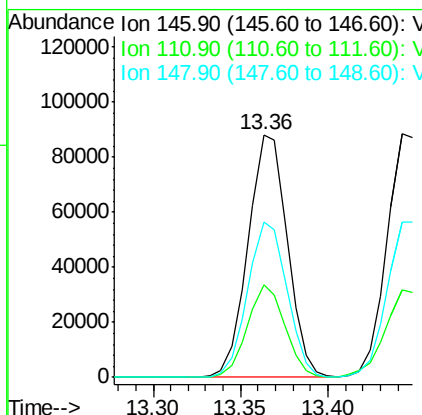
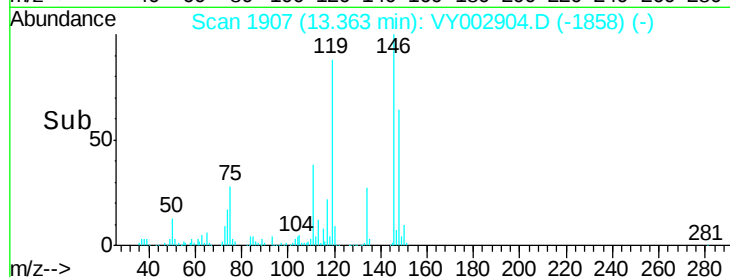
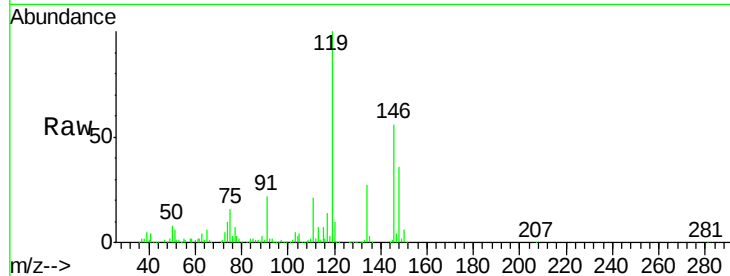
#87
 1,3-Dichlorobenzene
 Concen: 21.736 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY002904.D
 Acq: 16 Jun 2020 12:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0616SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.4	55.0
148	64.1	31.9	95.7

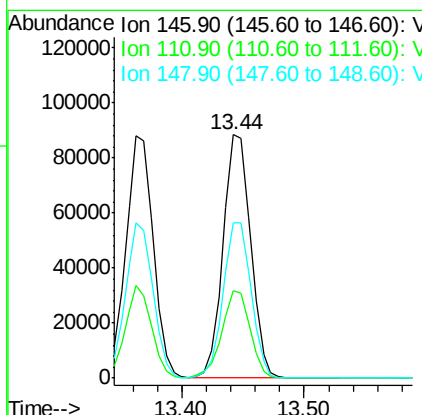
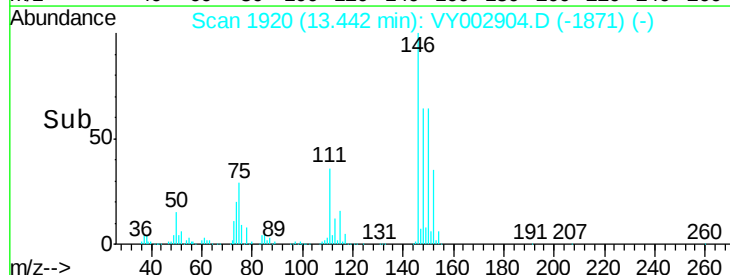
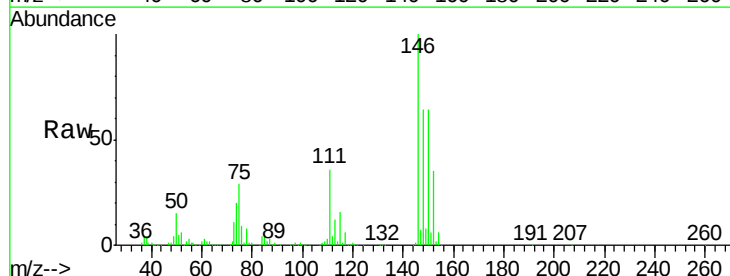
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#88
 1,4-Dichlorobenzene
 Concen: 21.714 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY002904.D
 Acq: 16 Jun 2020 12:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.3
148	64.9	32.1	96.3





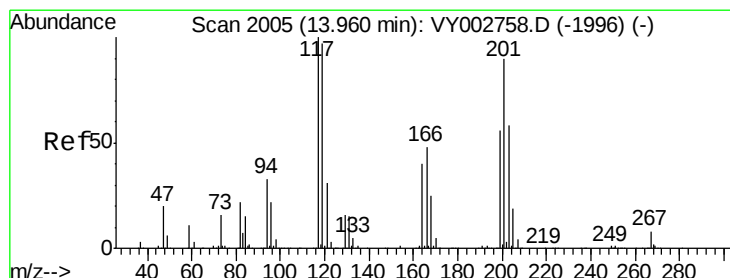
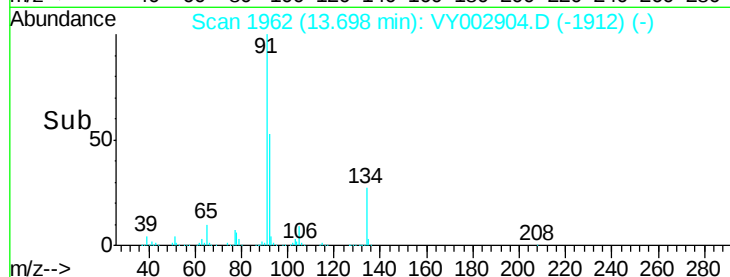
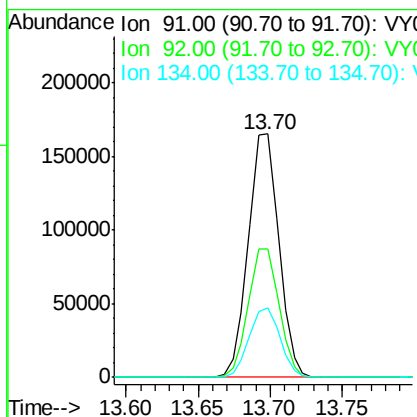
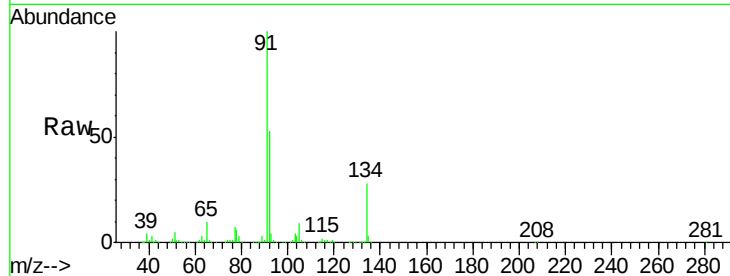
#89
n-Butylbenzene
Concen: 21.909 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	27.1	81.2
134	28.6	14.3	42.9

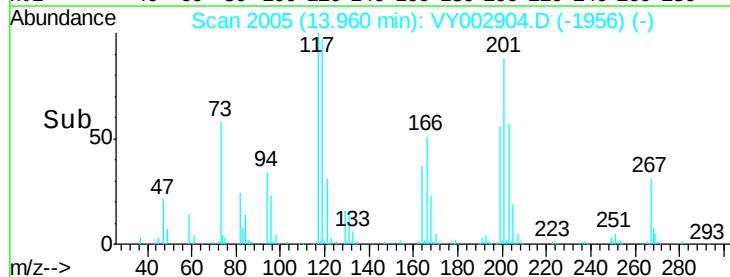
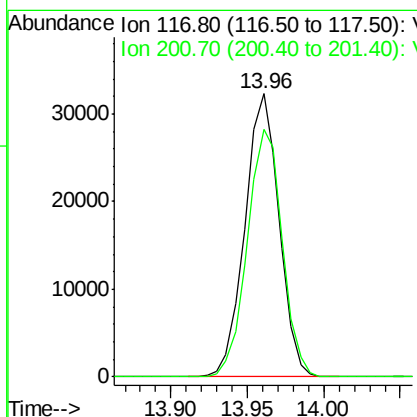
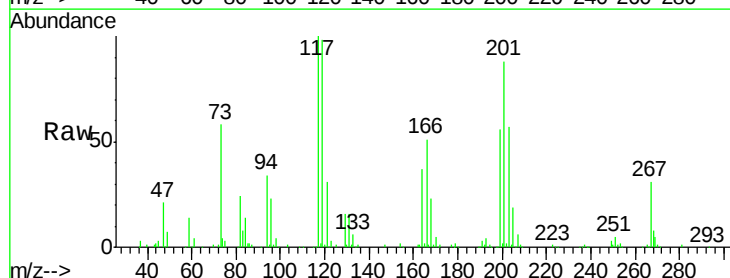
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#90
Hexachloroethane
Concen: 21.921 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY002904.D
Acq: 16 Jun 2020 12:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.4	43.9	131.6





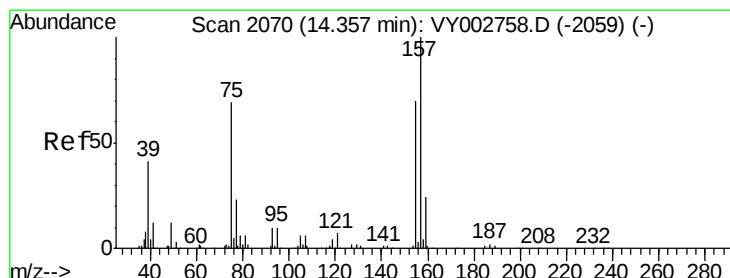
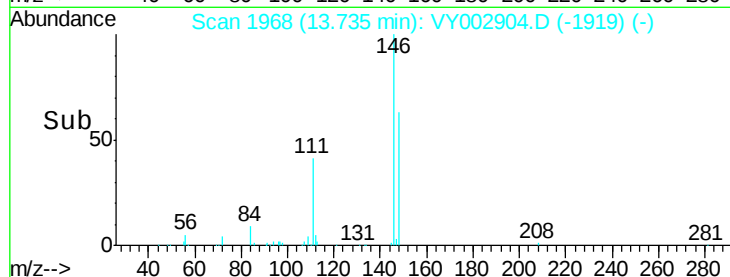
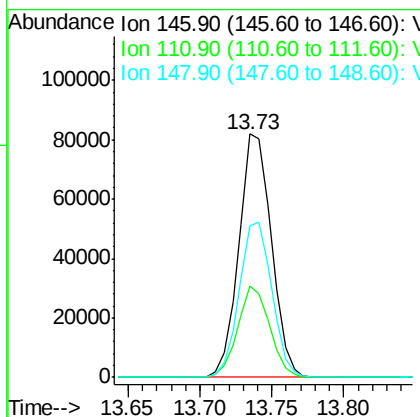
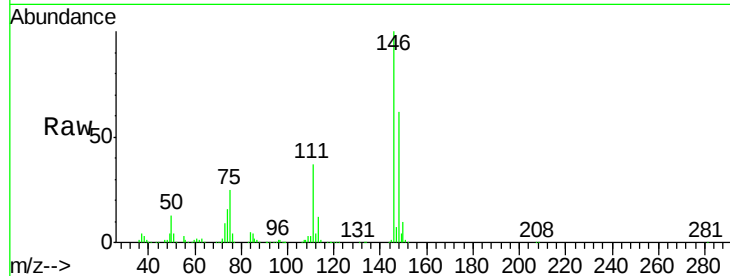
#91
 1,2-Dichlorobenzene
 Concen: 22.245 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY002904.D
 Acq: 16 Jun 2020 12:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0616SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.9
148	64.1	31.9	95.5

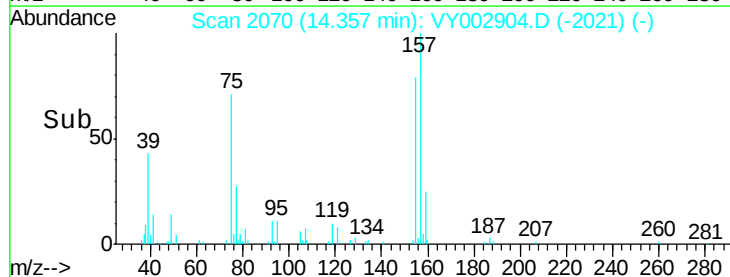
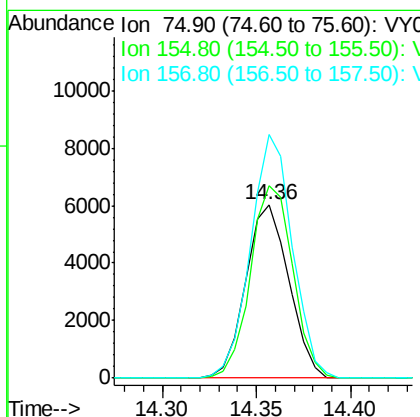
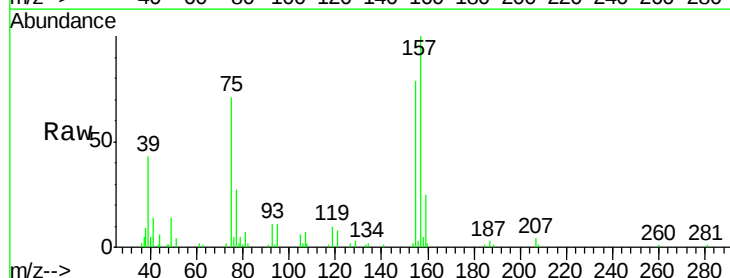
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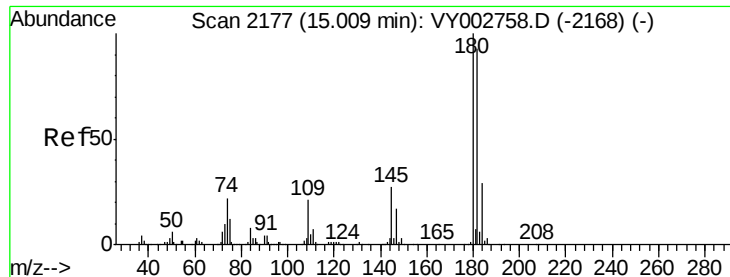
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.937 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY002904.D
 Acq: 16 Jun 2020 12:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	109.6	53.5	160.5
157	136.5	69.9	209.7





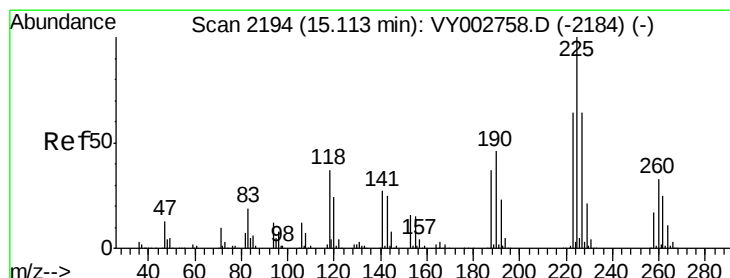
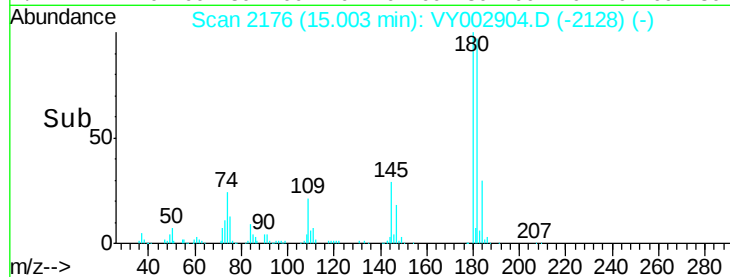
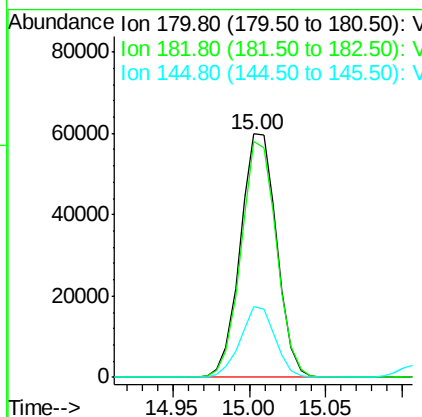
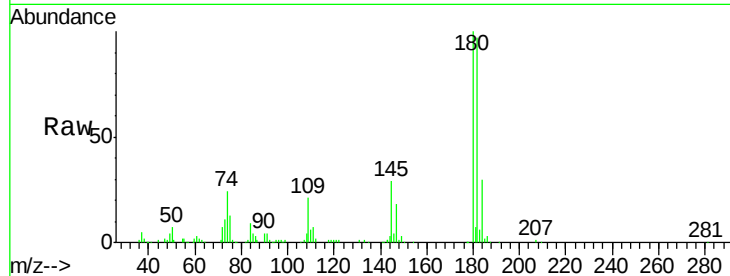
#93
 1,2,4-Trichlorobenzene
 Concen: 22.632 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VY002904.D
 Acq: 16 Jun 2020 12:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0616SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	141.9
145	27.8	14.1	42.3

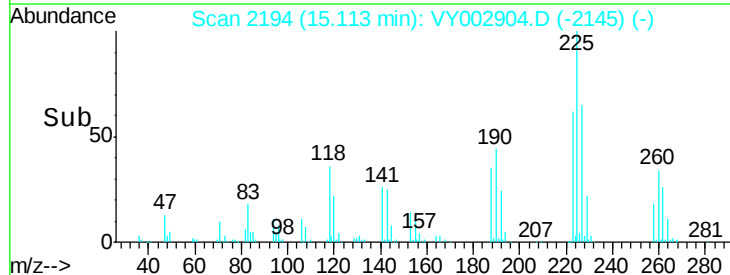
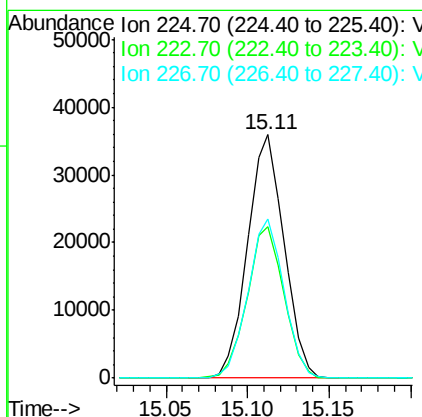
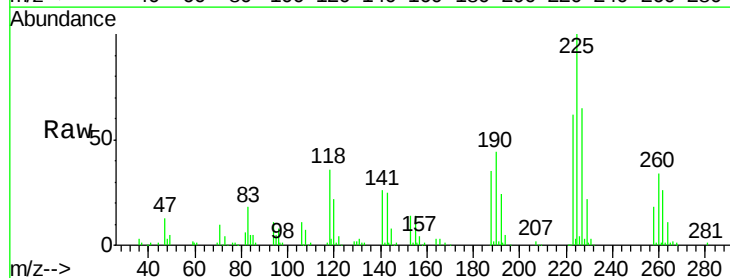
Manual Integrations
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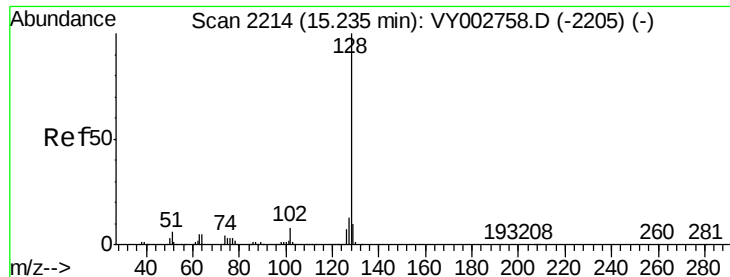
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#94
 Hexachlorobutadiene
 Concen: 22.699 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY002904.D
 Acq: 16 Jun 2020 12:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.6	95.0
227	64.2	32.3	96.9





#95

Naphthalene

Concen: 22.100 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Instrument :

MSVOA_Y

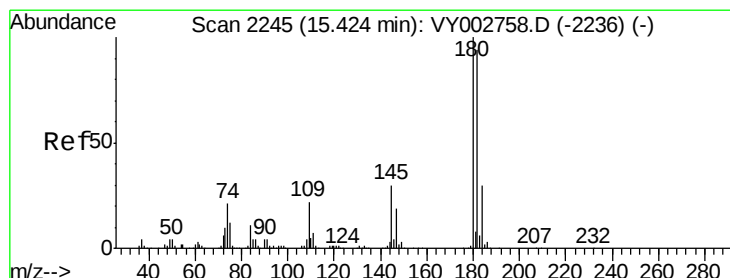
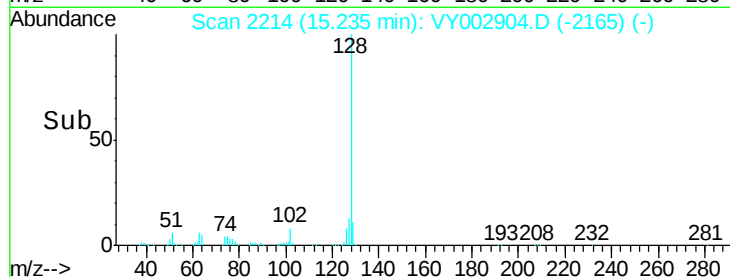
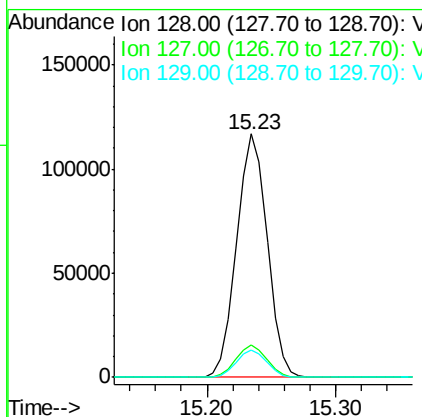
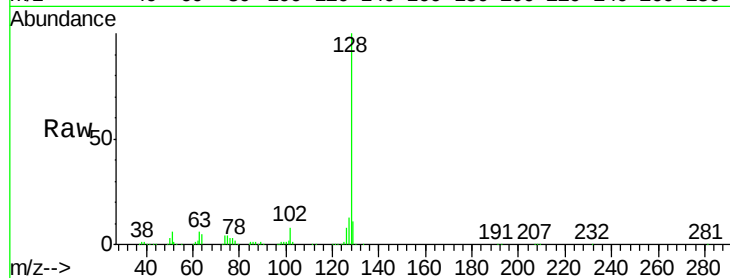
ClientSampleId :

VY0616SBS01

Tot Ion:	128	Resp:	192548
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.3	15.5
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/18/2020 11:14:26 AM



#96

1,2,3-Trichlorobenzene

Concen: 22.662 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VY002904.D

Acq: 16 Jun 2020 12:59

Tgt Ion:	180	Resp:	87935
Ion Ratio	Lower	Upper	
180	100		
182	93.8	48.1	144.4
145	28.9	15.1	45.3

