

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092619\
 Data File : VY000150.D
 Acq On : 26 Sep 2019 14:11
 Operator : SY/MD
 Sample : VY0926SBS01
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0926SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 9:13:14 AM

Quant Time: Sep 26 14:54:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092619S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 14:30:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	203459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	333335	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	292691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	140896	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	81848	45.94	ug/l	0.00
Spiked Amount			Recovery	=	91.88%	
35) Dibromofluoromethane	7.72	113	86890	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
50) Toluene-d8	10.17	98	366716	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.48	95	120868	44.89	ug/l	0.00
Spiked Amount			Recovery	=	89.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	33466	20.568	ug/l	93
3) Chloromethane	2.11	50	46215	19.566	ug/l	94
4) Vinyl Chloride	2.25	62	49127	19.375	ug/l	100
5) Bromomethane	2.63	94	34375	20.105	ug/l	97
6) Chloroethane	2.78	64	31029	19.712	ug/l	92
7) Trichlorofluoromethane	3.12	101	61089	19.988	ug/l	99
8) Diethyl Ether	3.52	74	23147	18.996	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.89	101	38038	19.067	ug/l	97
10) Methyl Iodide	4.09	142	50136	16.299	ug/l	98
11) Tert butyl alcohol	4.96	59	16856	94.689	ug/l #	84
12) 1,1-Dichloroethene	3.86	96	40176	19.203	ug/l	94
13) Acrolein	3.73	56	22579	102.134	ug/l	97
14) Allyl chloride	4.47	41	50146	19.154	ug/l	98
15) Acrylonitrile	5.16	53	51228	92.442	ug/l	98
16) Acetone	3.94	43	36113	79.899	ug/l	93
17) Carbon Disulfide	4.18	76	124482	19.182	ug/l	99
18) Methyl Acetate	4.47	43	24714	19.126	ug/l	95
19) Methyl tert-butyl Ether	5.22	73	92738	18.724	ug/l	96
20) Methylene Chloride	4.71	84	51237	20.412	ug/l	98
21) trans-1,2-Dichloroethene	5.21	96	43585	18.698	ug/l	92
22) Diisopropyl ether	6.11	45	99991	18.174	ug/l	94
23) Vinyl Acetate	6.07	43	326606	94.720	ug/l	98
24) 1,1-Dichloroethane	6.02	63	61755	18.541	ug/l	95
25) 2-Butanone	6.99	43	61199	89.465	ug/l	94
26) 2,2-Dichloropropane	6.98	77	59000	19.482	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	47826	18.462	ug/l	96
28) Bromochloromethane	7.33	49	22585	17.798	ug/l	98
29) Tetrahydrofuran	7.35	42	39214	92.991	ug/l	99
30) Chloroform	7.50	83	64393	18.472	ug/l	98
31) Cyclohexane	7.78	56	64504	18.733	ug/l	94
32) 1,1,1-Trichloroethane	7.70	97	59059	19.322	ug/l	97
36) 1,1-Dichloropropene	7.91	75	53951	19.476	ug/l	98
37) Ethyl Acetate	7.08	43	27068	18.498	ug/l	97
38) Carbon Tetrachloride	7.89	117	52532	19.426	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	74479	18.956	ug/l	95
40) Benzene	8.16	78	167387	19.129	ug/l	98
41) Methacrylonitrile	7.32	41	12837m	18.212	ug/l	
42) 1,2-Dichloroethane	8.24	62	39314	18.465	ug/l	99
43) Isopropyl Acetate	8.28	43	50633	18.732	ug/l	100
44) Trichloroethene	8.94	130	51727	18.498	ug/l	97
45) 1,2-Dichloropropane	9.22	63	37598	19.478	ug/l	94
46) Dibromomethane	9.31	93	22220	18.862	ug/l	98
47) Bromodichloromethane	9.50	83	48700	18.340	ug/l	95
48) Methyl methacrylate	9.30	41	23256	19.213	ug/l	95
49) 1,4-Dioxane	9.30	88	7522	413.289	ug/l #	94
51) 4-Methyl-2-Pentanone	10.07	43	132123	94.171	ug/l	98
52) Toluene	10.24	92	105852	18.679	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	52788	18.925	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	61880	18.720	ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	32812	18.732	ug/l	91
56) Ethyl methacrylate	10.50	69	42973	18.860	ug/l	99
57) 1,3-Dichloropropane	10.79	76	53188	18.896	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	103383	96.601	ug/l	98
59) 2-Hexanone	10.83	43	94905	95.175	ug/l	99
60) Dibromochloromethane	10.99	129	37560	18.968	ug/l	95
61) 1,2-Dibromoethane	11.08	107	31794	19.021	ug/l	97
64) Tetrachloroethene	10.72	164	53243	18.363	ug/l	96
65) Chlorobenzene	11.52	112	115341	18.936	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.58	131	38813	18.858	ug/l	97
67) Ethyl Benzene	11.59	91	196487	18.872	ug/l	99
68) m/p-Xylenes	11.70	106	162564	38.622	ug/l	97
69) o-Xylene	12.03	106	74143	18.470	ug/l	96
70) Styrene	12.04	104	129055	18.996	ug/l	98
71) Bromoform	12.20	173	23069	19.074	ug/l #	100
73) Isopropylbenzene	12.33	105	195067	19.189	ug/l	97
74) N-amyl acetate	12.14	43	45259	18.393	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	31315	19.790	ug/l	100
76) 1,2,3-Trichloropropane	12.61	75	24912m	17.568	ug/l	
77) Bromobenzene	12.61	156	47291	18.831	ug/l	99
78) n-propylbenzene	12.67	91	227679	18.788	ug/l	100
79) 2-Chlorotoluene	12.75	91	126034	19.115	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	159601	18.874	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	13733	19.300	ug/l	98
82) 4-Chlorotoluene	12.85	91	132301	19.258	ug/l	98
83) tert-Butylbenzene	13.07	119	140448	19.287	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	163564	19.140	ug/l	100
85) sec-Butylbenzene	13.25	105	198850	19.019	ug/l	100
86) p-Isopropyltoluene	13.36	119	177215	19.034	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	91360	18.987	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	87800	18.331	ug/l	95
89) n-Butylbenzene	13.69	91	168290	19.020	ug/l	100
90) Hexachloroethane	13.95	117	33860	19.250	ug/l	94
91) 1,2-Dichlorobenzene	13.74	146	83552	19.005	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	5774	18.494	ug/l	92

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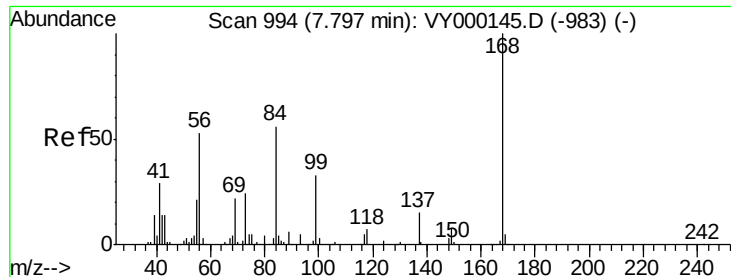
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	59011	19.346	ug/l	98
94) Hexachlorobutadiene	15.11	225	28463	19.125	ug/l	98
95) Naphthalene	15.23	128	129741	18.995	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	51871	18.961	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Instrument :

MSVOA_Y

ClientSampleId :

VY0926SBS01

Tot Ion:168 Resp: 203459

Ion Ratio Lower Upper

168 100

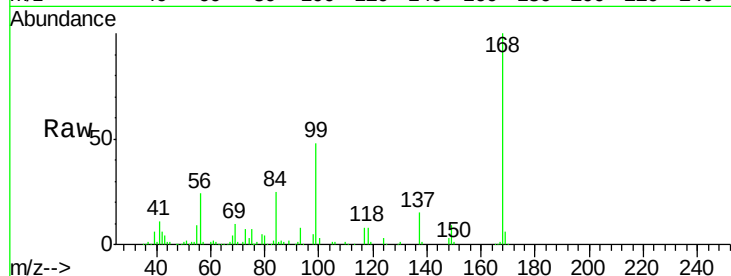
99 47.9 37.9 56.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.79

100000

80000

60000

40000

20000

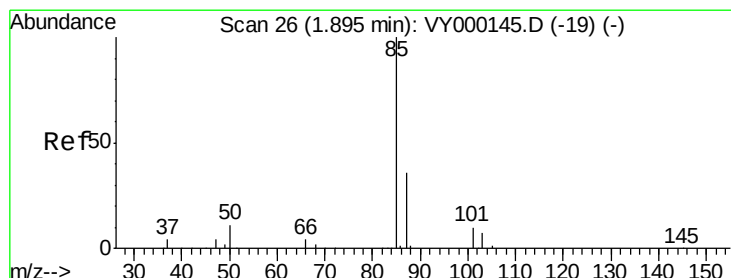
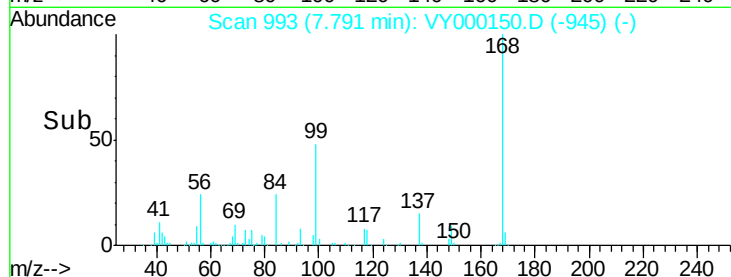
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 20.568 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.01 min

Lab File: VY000150.D

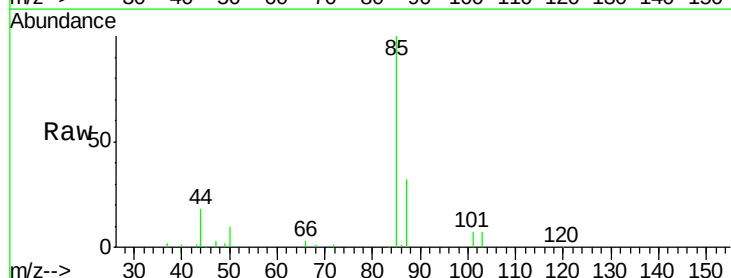
Acq: 26 Sep 2019 14:11

Tgt Ion: 85 Resp: 33466

Ion Ratio Lower Upper

85 100

87 31.5 17.9 53.8



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.90

20000

15000

10000

5000

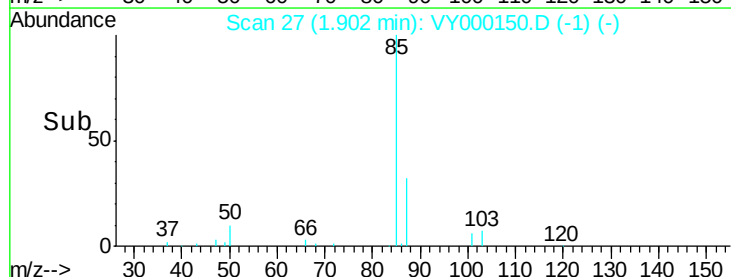
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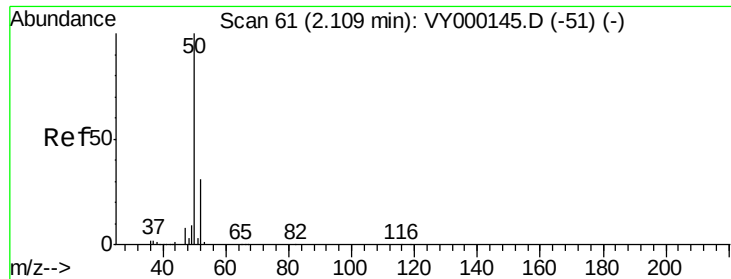
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 19.566 ug/l

RT: 2.11 min Scan# 61

Delta R.T. 0.00 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Instrument :

MSVOA_Y

ClientSampleId :

VY0926SBS01

Tot Ion: 50 Resp: 46215

Ion Ratio Lower Upper

50 100

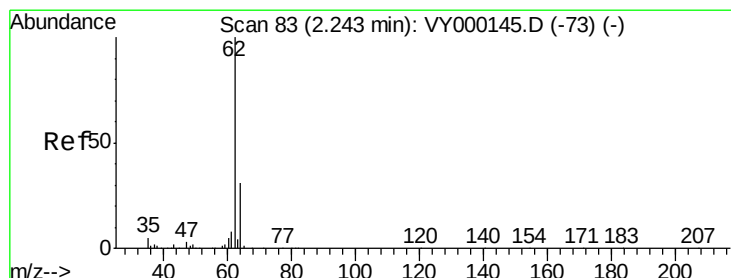
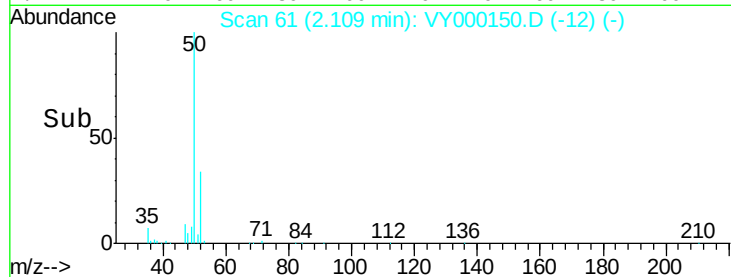
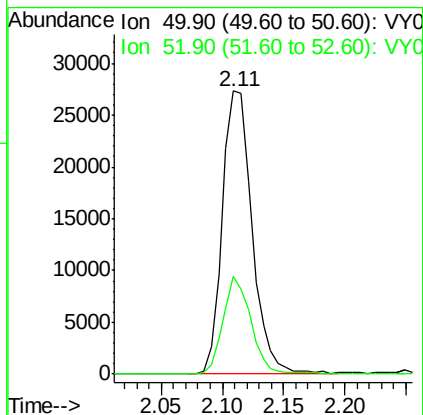
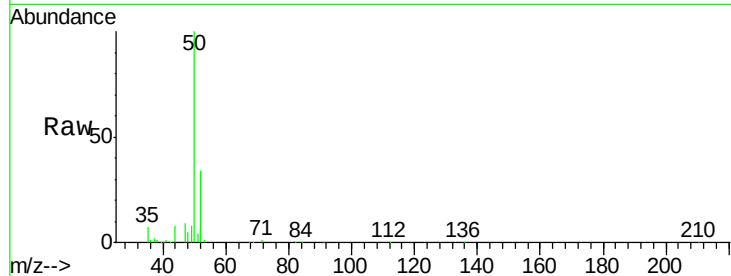
52 34.5 25.0 37.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.375 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.01 min

Lab File: VY000150.D

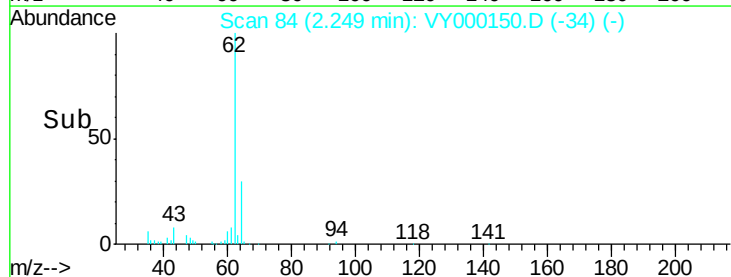
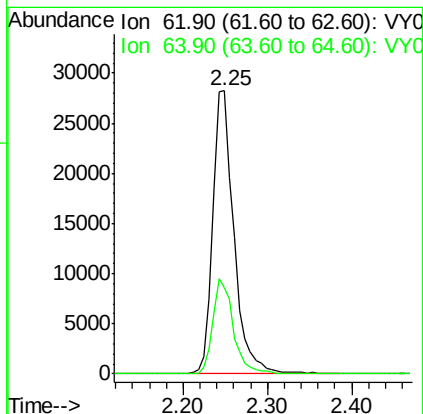
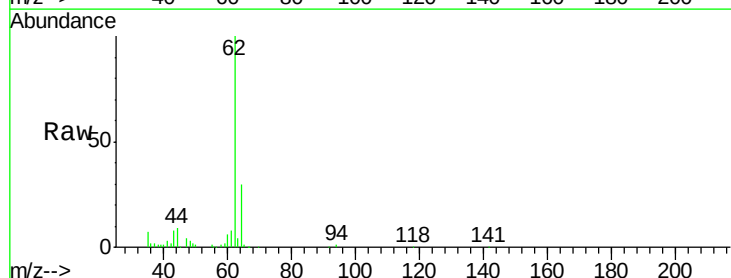
Acq: 26 Sep 2019 14:11

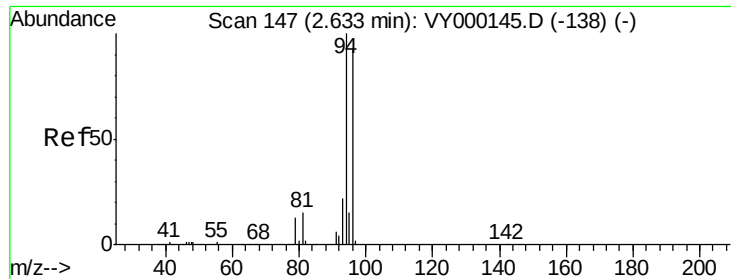
Tgt Ion: 62 Resp: 49127

Ion Ratio Lower Upper

62 100

64 30.4 24.5 36.7





#5

Bromomethane

Concen: 20.105 ug/l

RT: 2.63 min Scan# 146

Delta R.T. -0.01 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Instrument :

MSVOA_Y

ClientSampleId :

VY0926SBS01

Tot Ion: 94 Resp: 34375

Ion Ratio Lower Upper

94 100

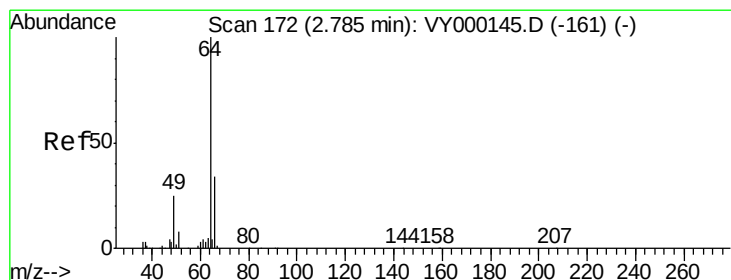
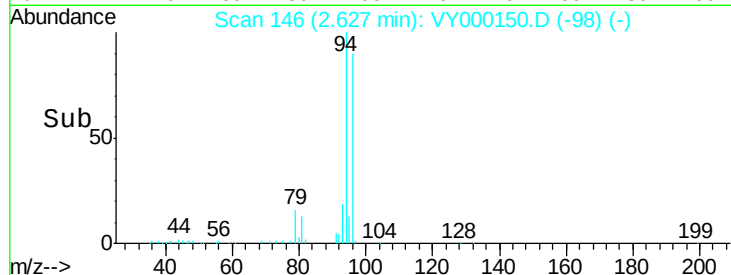
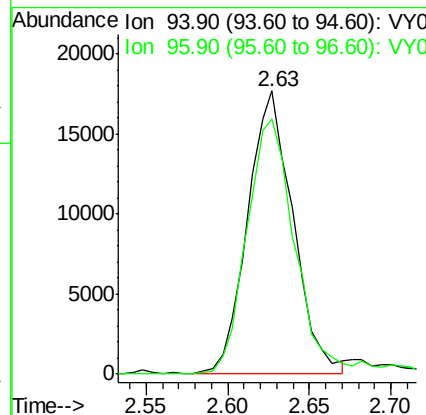
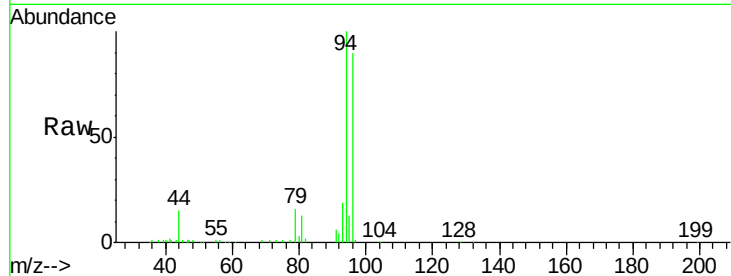
96 90.1 74.6 111.8

Manual Integrations

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#6

Chloroethane

Concen: 19.712 ug/l

RT: 2.78 min Scan# 171

Delta R.T. -0.01 min

Lab File: VY000150.D

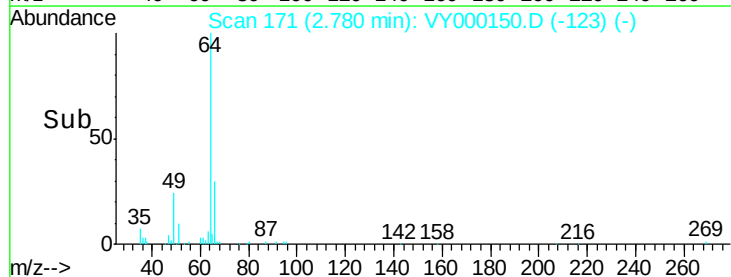
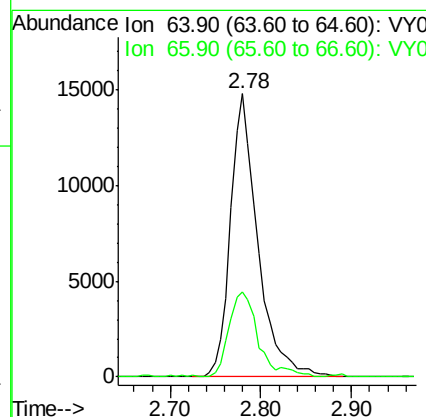
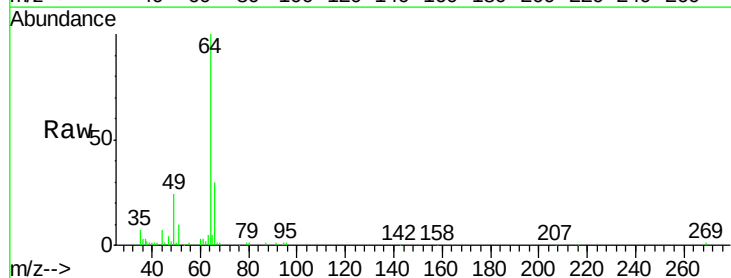
Acq: 26 Sep 2019 14:11

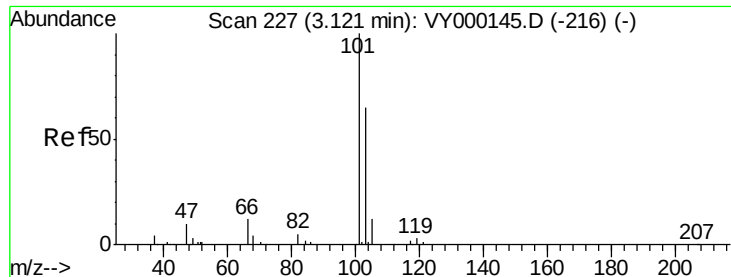
Tgt Ion: 64 Resp: 31029

Ion Ratio Lower Upper

64 100

66 29.4 27.4 41.0





#7

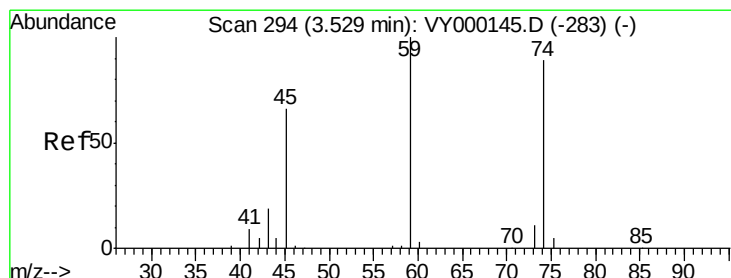
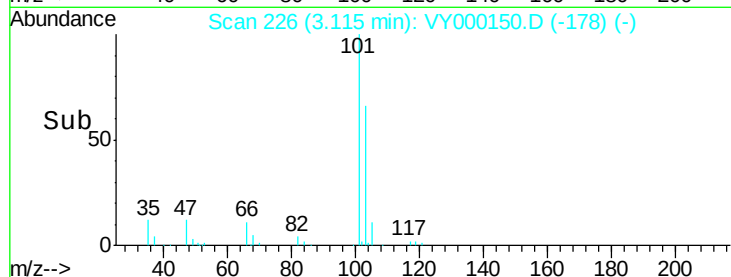
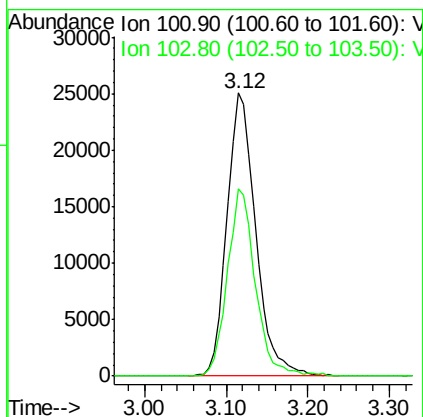
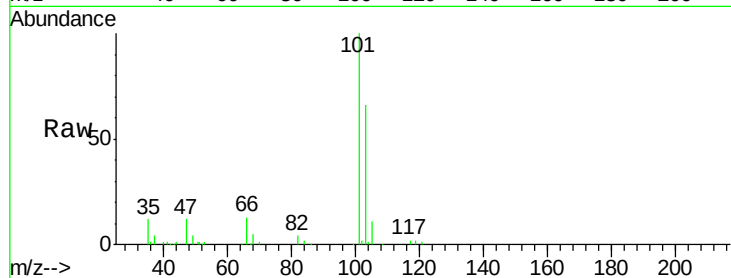
Trichlorofluoromethane
 Concen: 19.988 ug/l
 RT: 3.12 min Scan# 226
 Delta R.T. -0.01 min
 Lab File: VY000150.D
 Acq: 26 Sep 2019 14:11

Instrument :
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 ClientSampleId :
 VY0926SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.9	77.9

Manual Integrations
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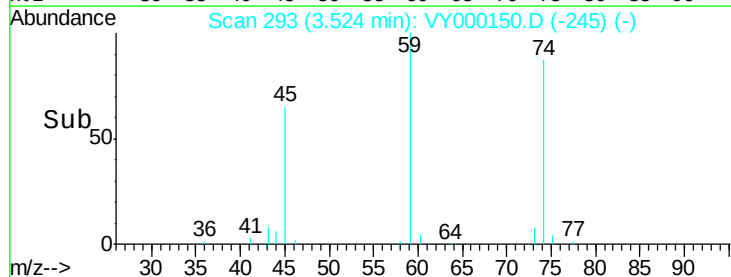
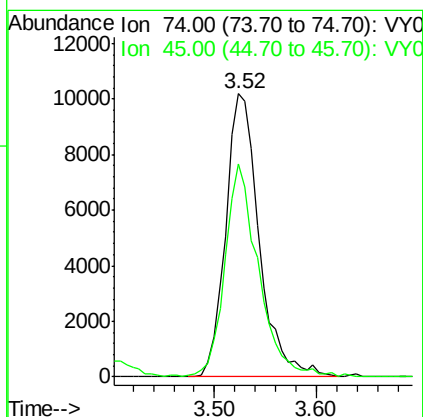
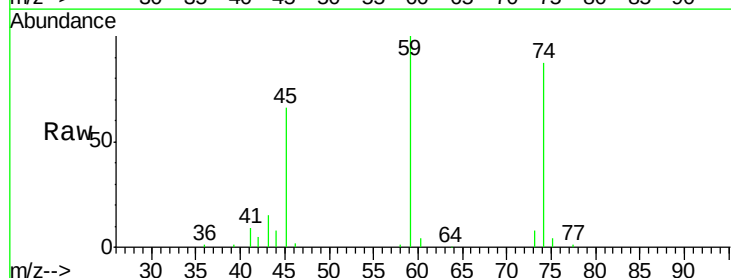
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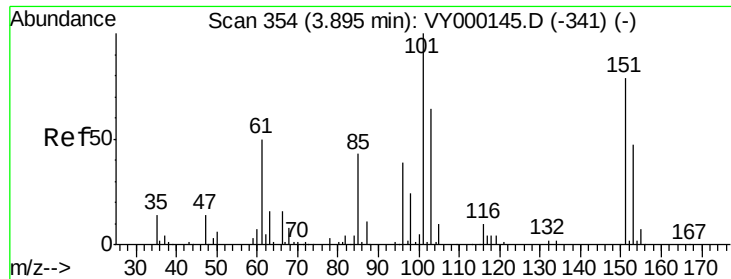


#8

Diethyl Ether
 Concen: 18.996 ug/l
 RT: 3.52 min Scan# 293
 Delta R.T. -0.01 min
 Lab File: VY000150.D
 Acq: 26 Sep 2019 14:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	75.8	37.7	113.1





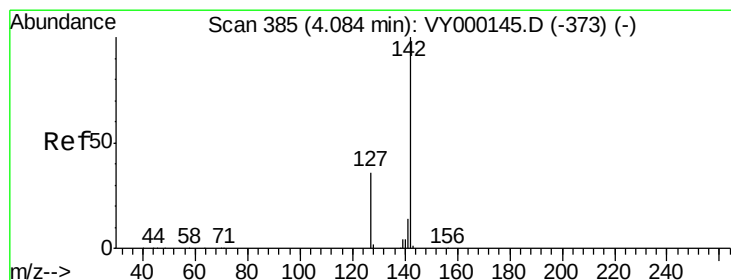
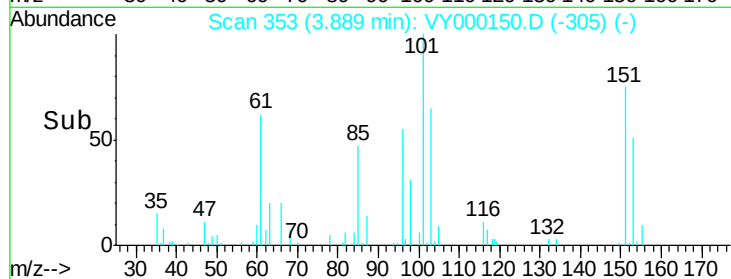
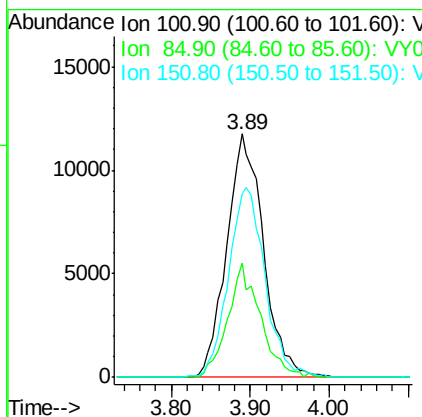
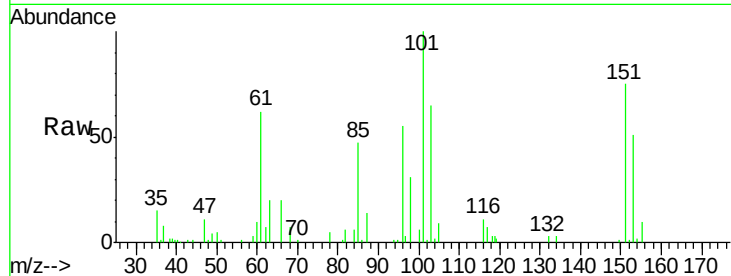
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.067 ug/l
RT: 3.89 min Scan# 353
Delta R.T. -0.01 min
Lab File: VY000150.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	38038		
85	41.3		34.8	52.2
151	77.9		64.0	96.0

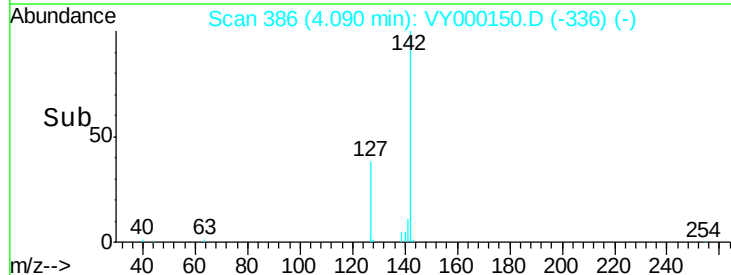
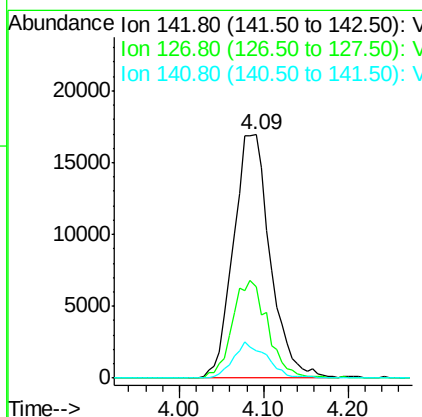
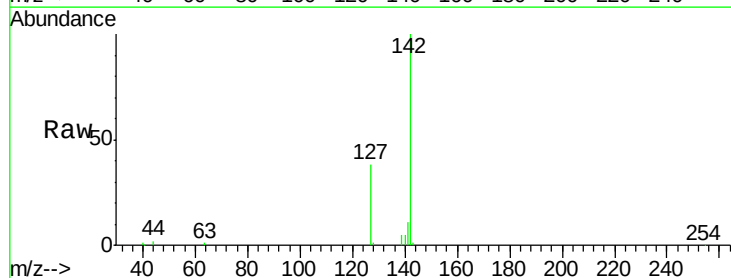
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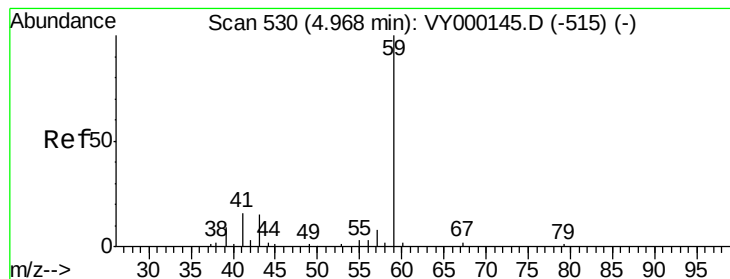
MMDadoda
10/2/2019 9:13:14 AM



#10
Methyl Iodide
Concen: 16.299 ug/l
RT: 4.09 min Scan# 386
Delta R.T. 0.01 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	50136		
127	38.5		30.0	45.0
141	13.3		11.0	16.6





#11

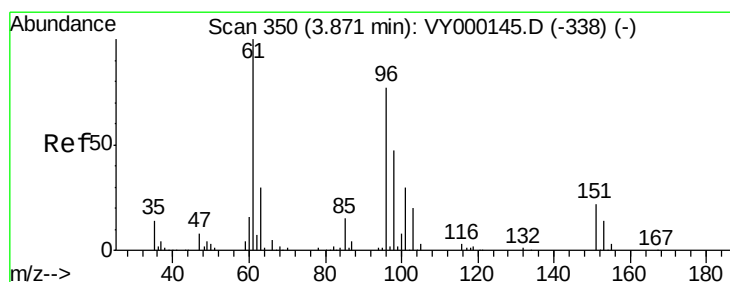
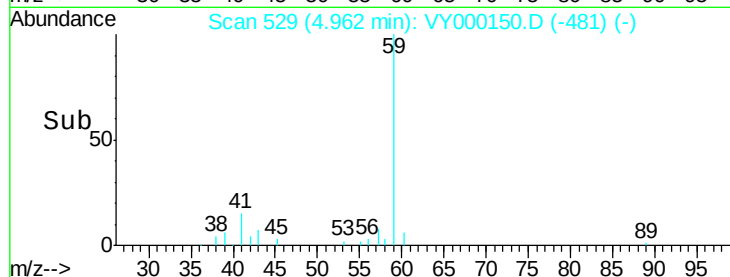
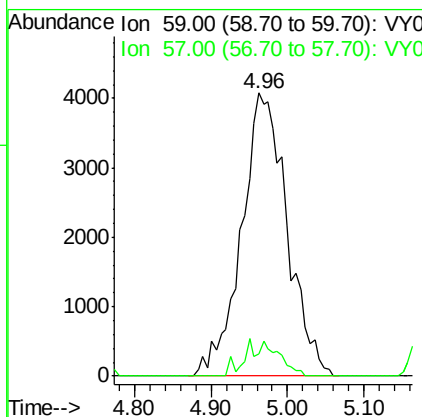
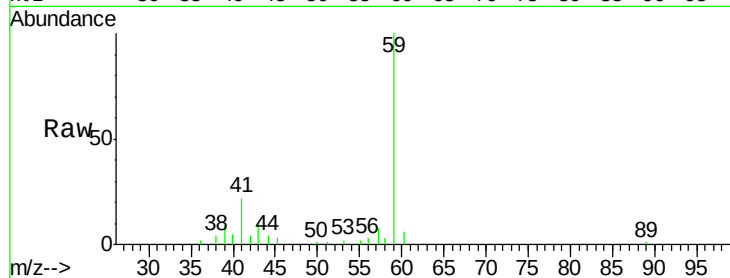
Tert butyl alcohol
 Concen: 94.689 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY000150.D
 Acq: 26 Sep 2019 14:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0926SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	16856		
57	5.1	8.9	13.3#	

Manual Integrations
 APPROVED

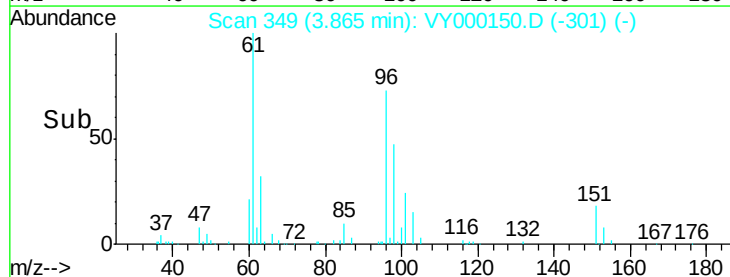
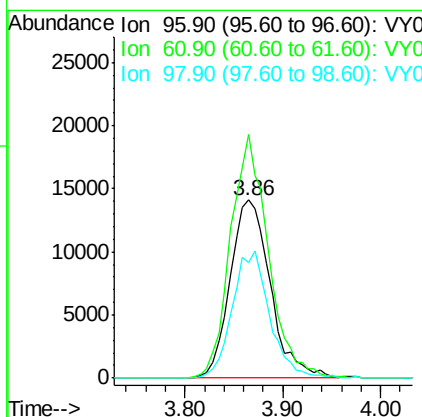
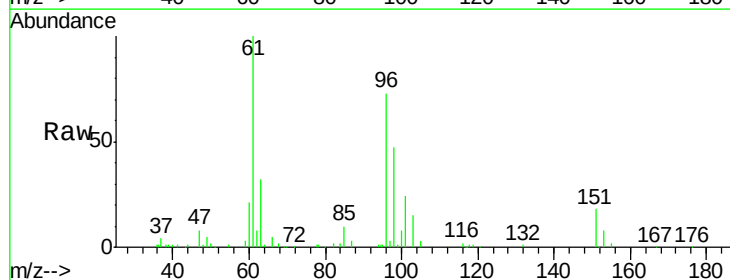
MMDadoda
 10/2/2019 9:13:14 AM

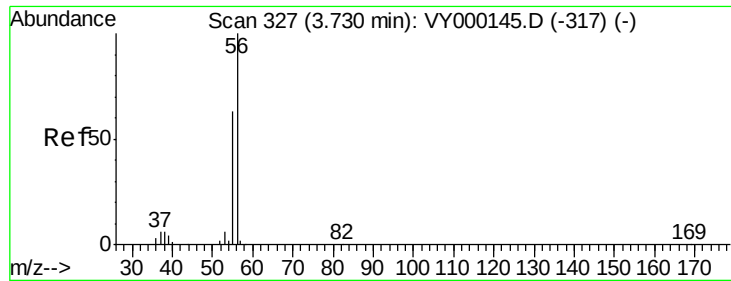


#12

1,1-Dichloroethene
 Concen: 19.203 ug/l
 RT: 3.86 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VY000150.D
 Acq: 26 Sep 2019 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	40176		
61	136.9	103.6	155.4	
98	64.7	48.7	73.1	





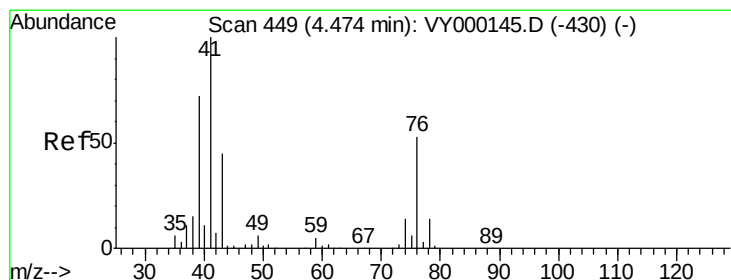
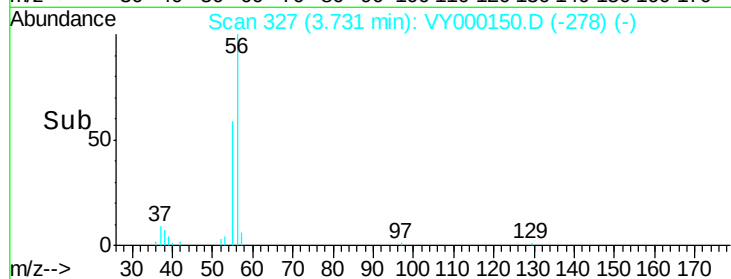
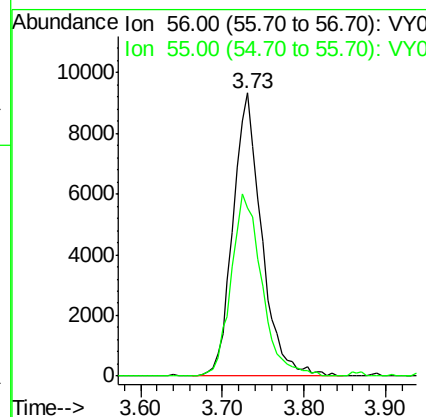
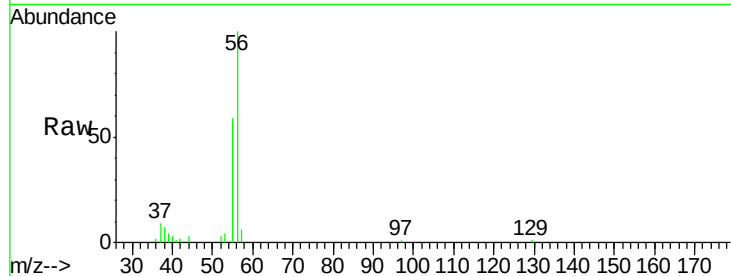
#13
Acrolein
Concen: 102.134 ug/l
RT: 3.73 min Scan# 327
Delta R.T. 0.00 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0926SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.8	53.1	79.7

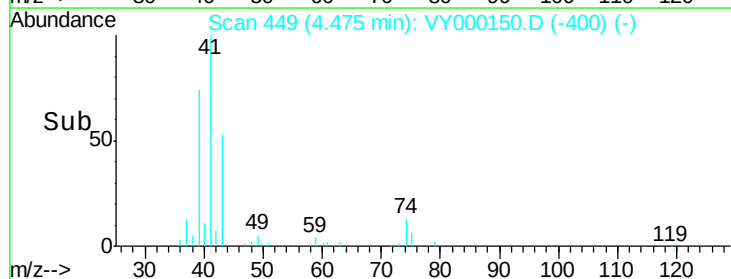
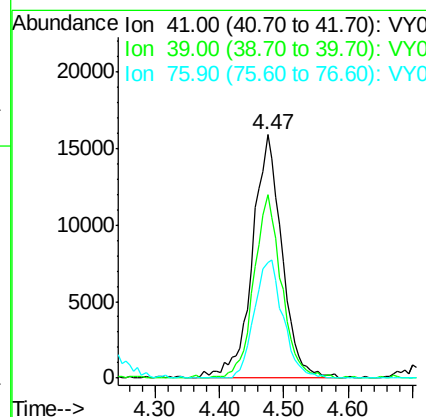
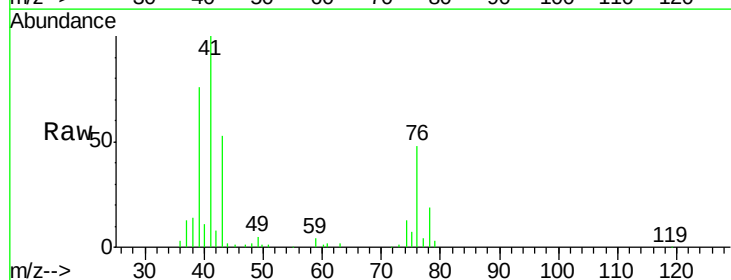
Manual Integrations
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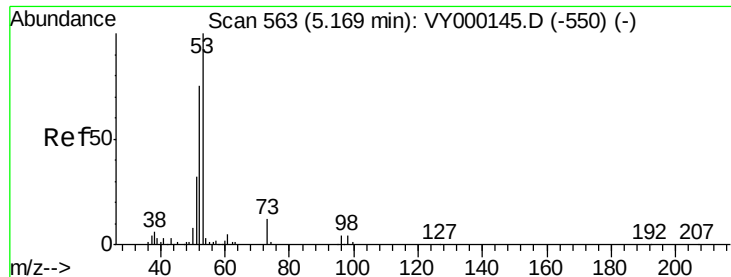
MMDadoda
10/2/2019 9:13:14 AM



#14
Allyl chloride
Concen: 19.154 ug/l
RT: 4.47 min Scan# 449
Delta R.T. 0.00 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Tgt Ion	Ratio	Lower	Upper
41	100		
39	70.0	54.6	82.0
76	46.9	39.0	58.6





#15

Acrylonitrile

Concen: 92.442 ug/l

RT: 5.16 min Scan# 562

Delta R.T. -0.01 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Instrument :

MSVOA_Y

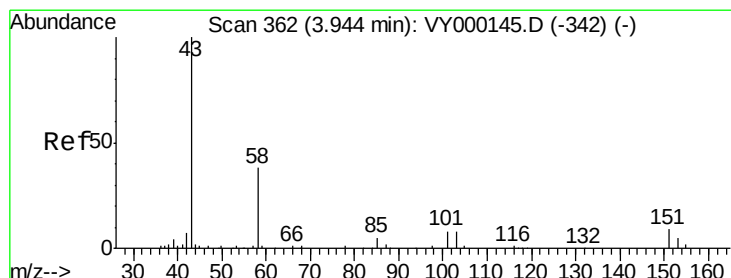
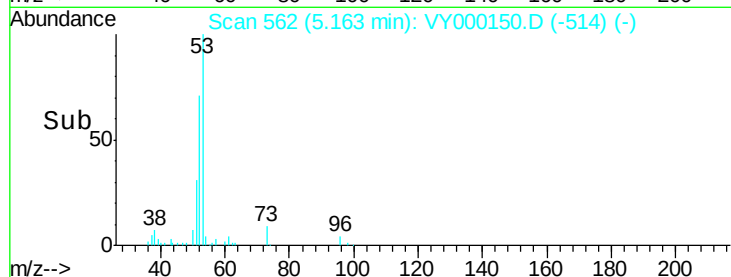
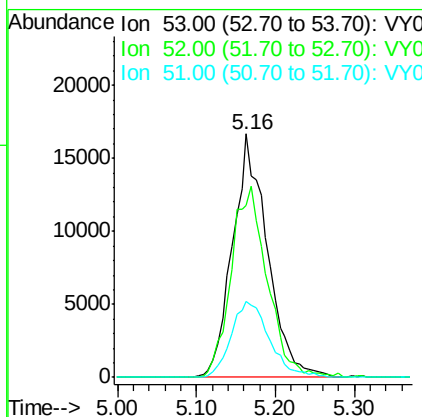
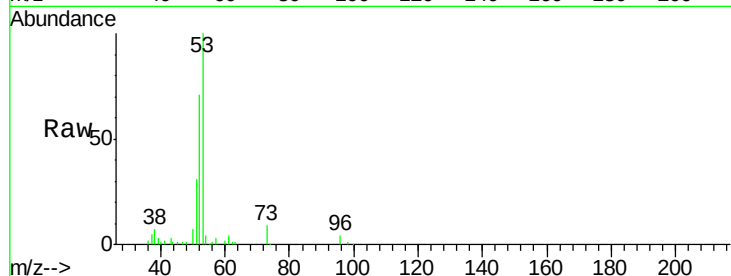
ClientSampleId :

VY0926SBS01

Tot Ion:	53	Resp:	51228
Ion Ratio	Lower	Upper	
53	100		
52	81.5	62.9	94.3
51	34.2	27.5	41.3

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:13:14 AM



#16

Acetone

Concen: 79.899 ug/l

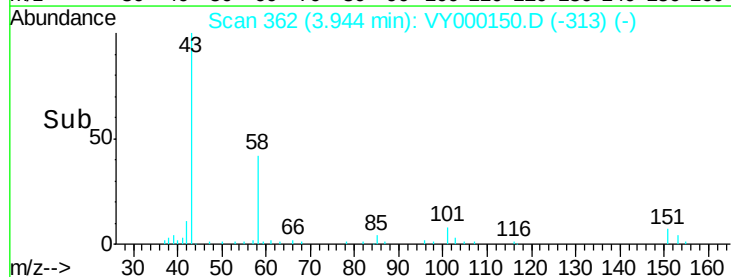
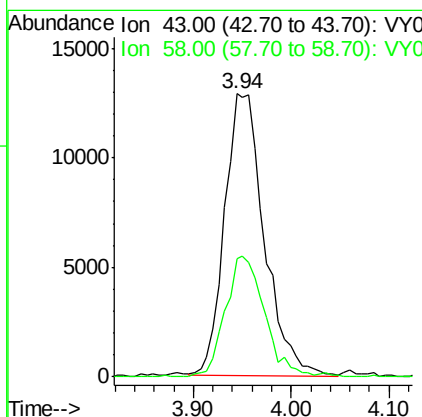
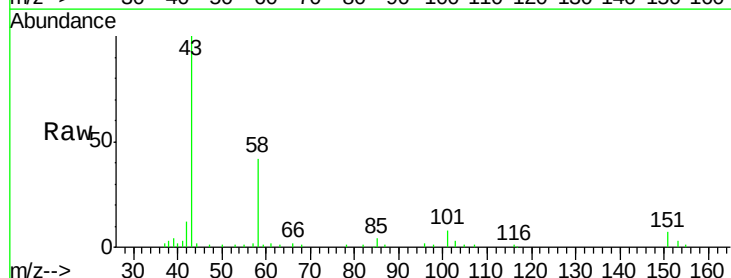
RT: 3.94 min Scan# 362

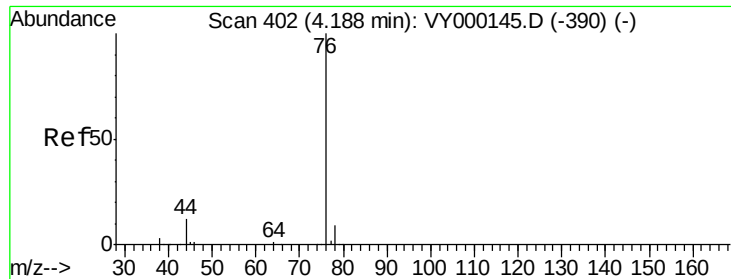
Delta R.T. 0.00 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Tgt Ion:	43	Resp:	36113
Ion Ratio	Lower	Upper	
43	100		
58	42.0	30.4	45.6





#17

Carbon Disulfide

Concen: 19.182 ug/l

RT: 4.18 min Scan# 401

Delta R.T. -0.01 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Instrument :

MSVOA_Y

ClientSampleId :

VY0926SBS01

Tot Ion: 76 Resp: 124482

Ion Ratio Lower Upper

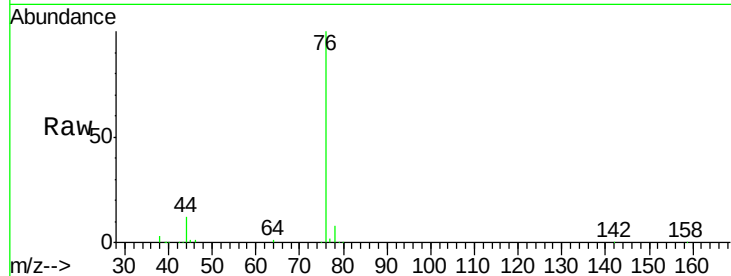
76 100

78 8.4 7.0 10.4

Manual Integrations
APPROVED

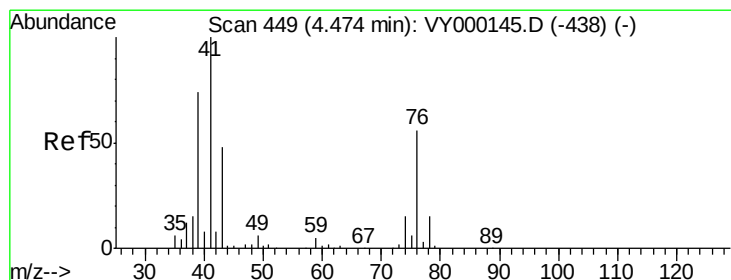
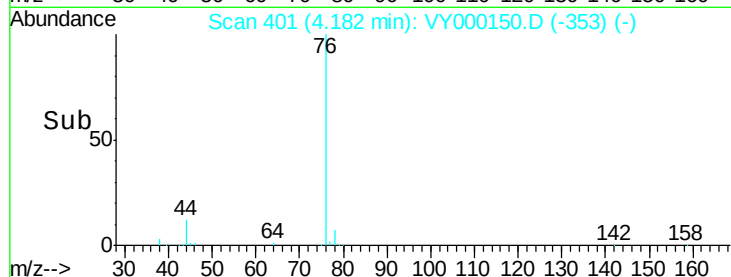
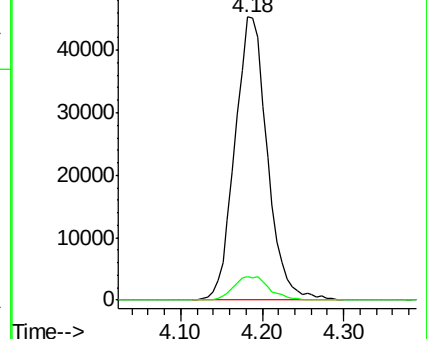
MMDadoda

10/2/2019 9:13:14 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 19.126 ug/l

RT: 4.47 min Scan# 449

Delta R.T. 0.00 min

Lab File: VY000150.D

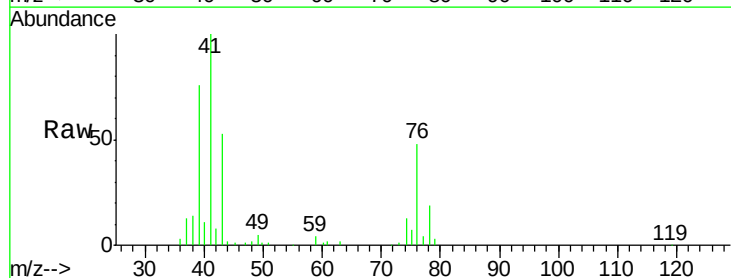
Acq: 26 Sep 2019 14:11

Tgt Ion: 43 Resp: 24714

Ion Ratio Lower Upper

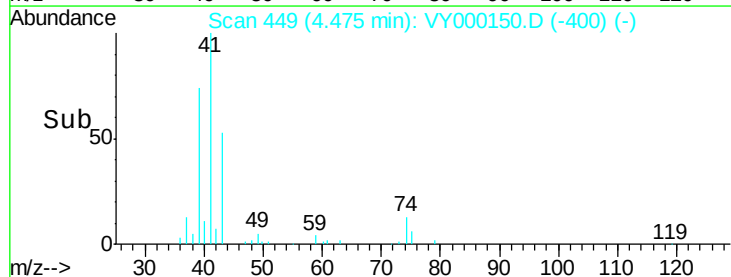
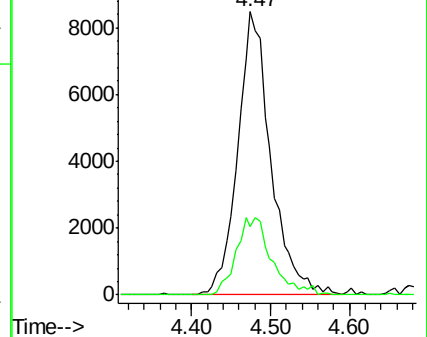
43 100

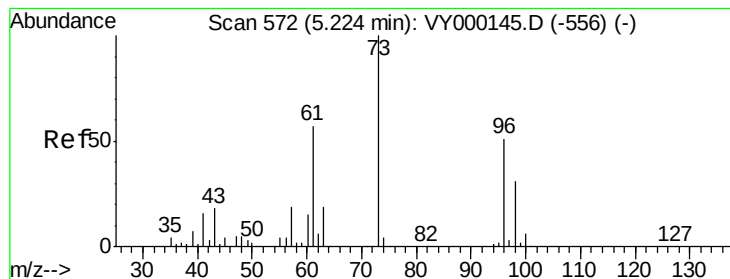
74 29.3 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





#19

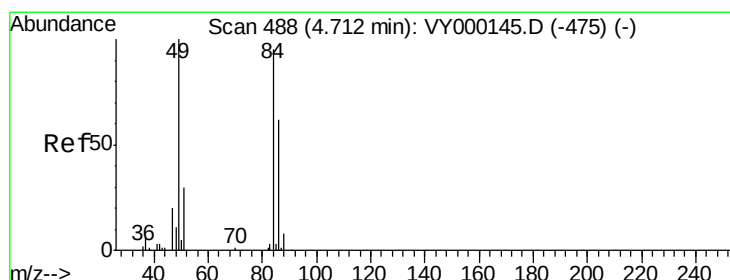
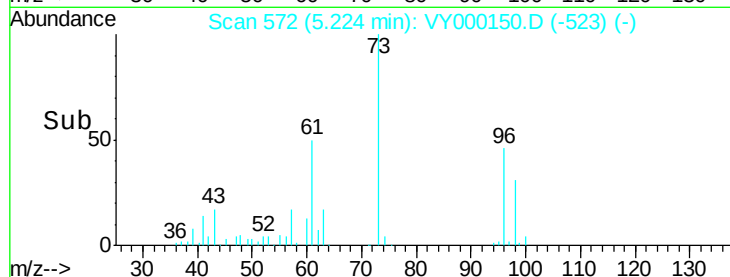
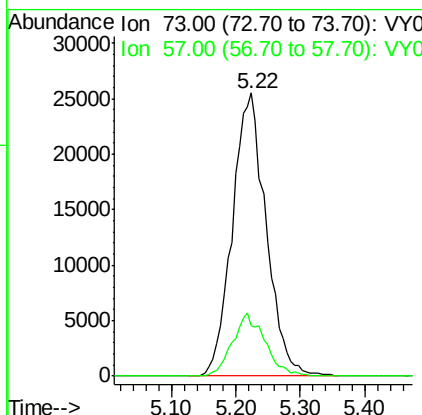
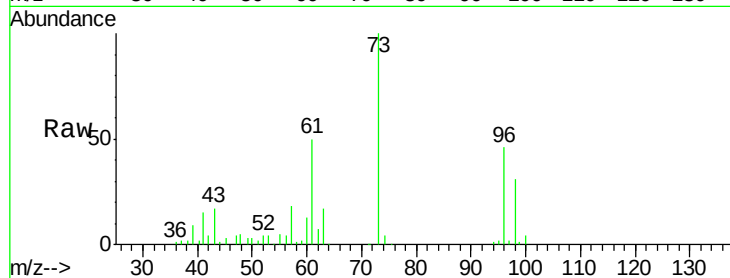
Methyl tert-butyl Ether
 Concen: 18.724 ug/l
 RT: 5.22 min Scan# 572
 Delta R.T. 0.00 min
 Lab File: VY000150.D
 Acq: 26 Sep 2019 14:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0926SBS01

Tot Ion	73	Resp	92738
Ion Ratio	100	Lower	Upper
57	17.7	15.5	23.3

Manual Integrations
 APPROVED

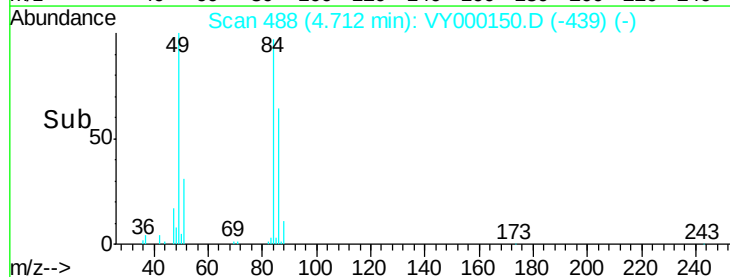
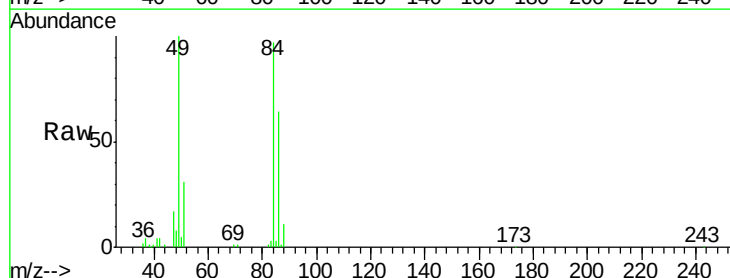
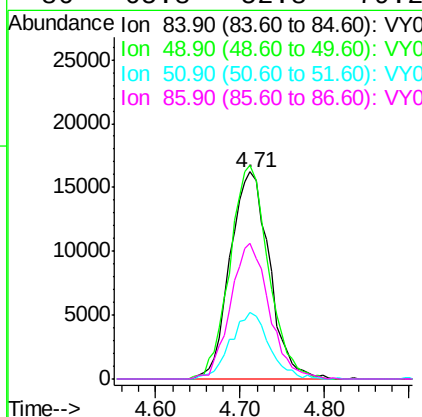
MMDadoda
 10/2/2019 9:13:14 AM

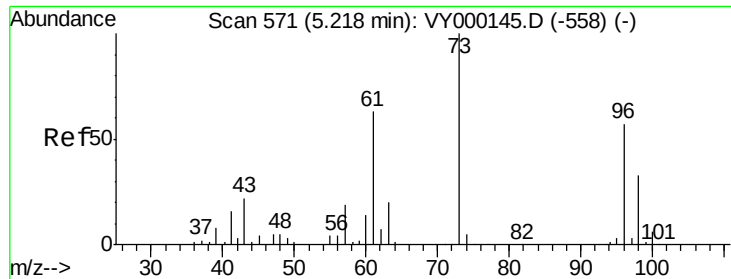


#20

Methylene Chloride
 Concen: 20.412 ug/l
 RT: 4.71 min Scan# 488
 Delta R.T. 0.00 min
 Lab File: VY000150.D
 Acq: 26 Sep 2019 14:11

Tgt Ion	84	Resp	51237
Ion Ratio	100	Lower	Upper
49	103.1	84.6	126.8
51	32.4	25.4	38.2
86	65.8	52.8	79.2





#21

trans-1,2-Dichloroethene

Concen: 18.698 ug/l

RT: 5.21 min Scan# 570

Delta R.T. -0.01 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Instrument :

MSVOA_Y

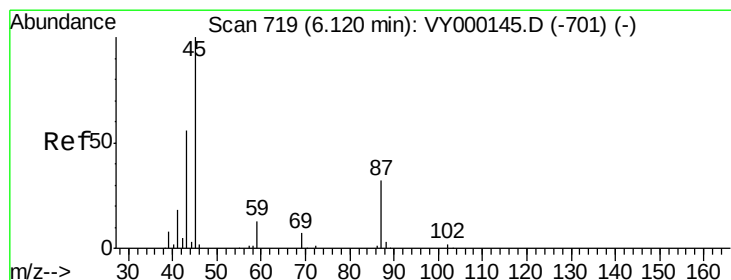
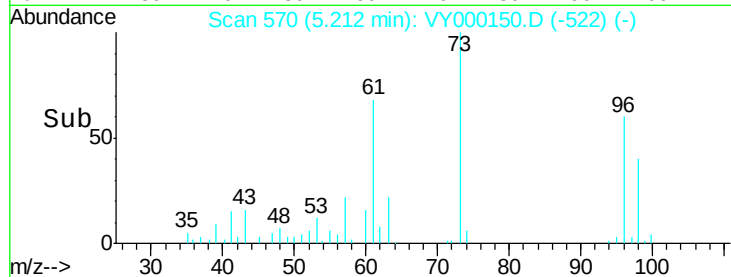
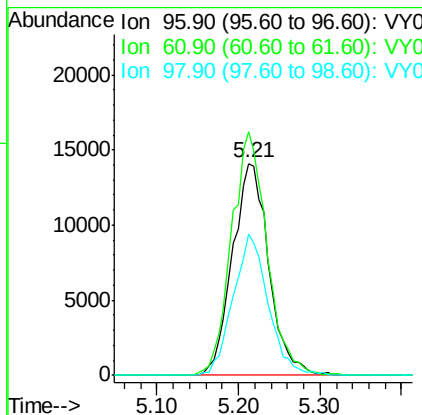
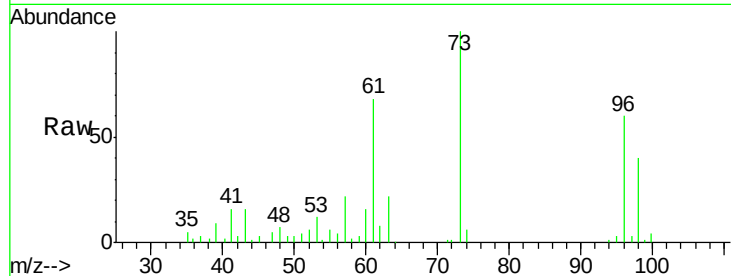
ClientSampleId :

VY0926SBS01

Tot Ion:	96	Resp:	43585
Ion	Ratio	Lower	Upper
96	100		
61	114.9	88.0	132.0
98	66.8	45.6	68.4

Manual Integrations
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MMDadoda
10/2/2019 9:13:14 AM



#22

Diisopropyl ether

Concen: 18.174 ug/l

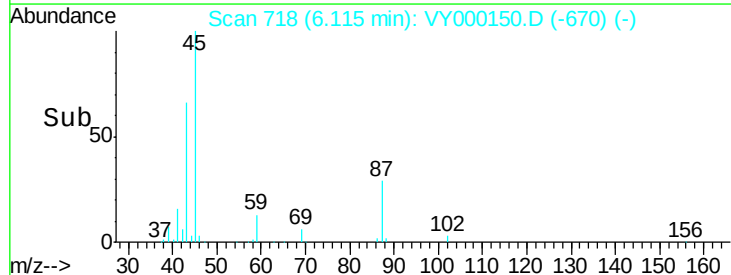
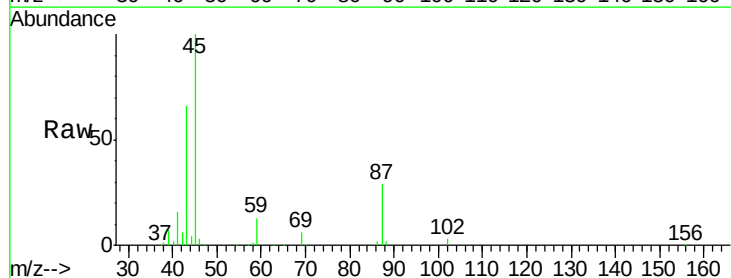
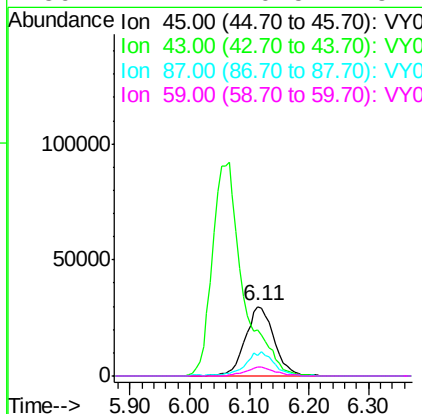
RT: 6.11 min Scan# 718

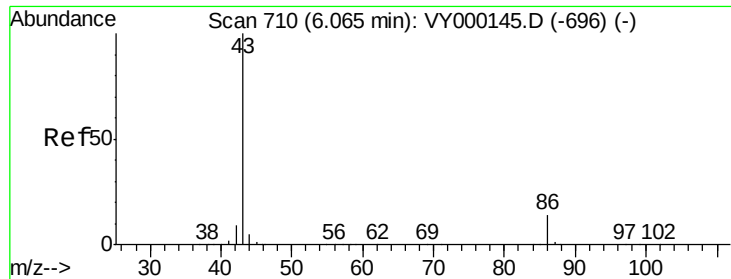
Delta R.T. -0.01 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Tgt Ion:	45	Resp:	99991
Ion	Ratio	Lower	Upper
45	100		
43	65.7	48.4	72.6
87	29.2	26.6	39.8
59	12.7	10.5	15.7





#23

Vinyl Acetate

Concen: 94.720 ug/l

RT: 6.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Instrument :

MSVOA_Y

ClientSampleId :

VY0926SBS01

Tot Ion: 43 Resp: 326606

Ion Ratio Lower Upper

43 100

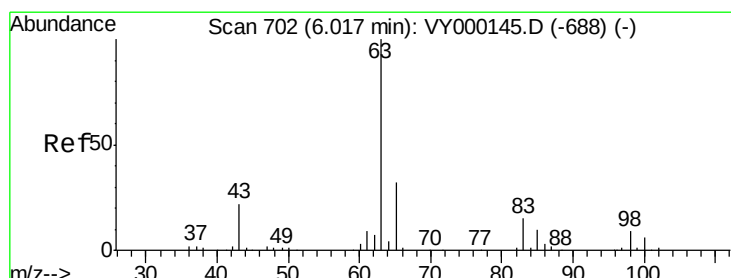
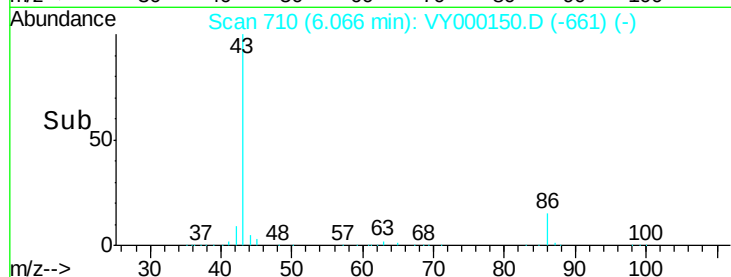
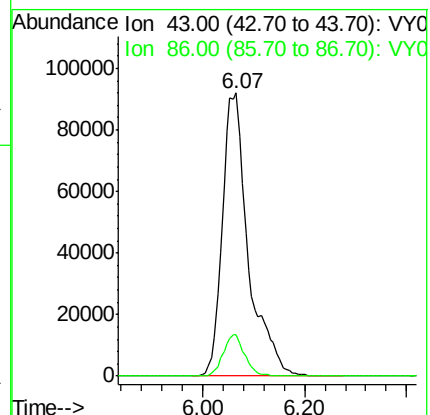
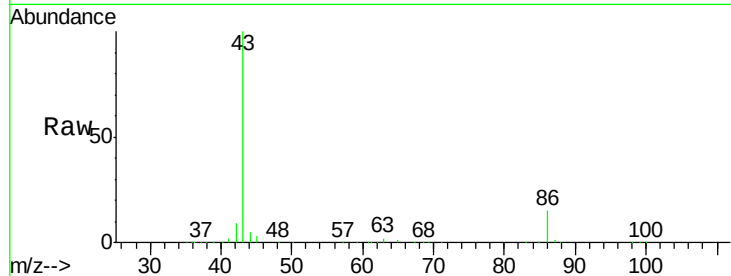
86 14.6 11.1 16.7

Manual Integrations

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MMDadoda

10/2/2019 9:13:14 AM



#24

1,1-Dichloroethane

Concen: 18.541 ug/l

RT: 6.02 min Scan# 702

Delta R.T. 0.00 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

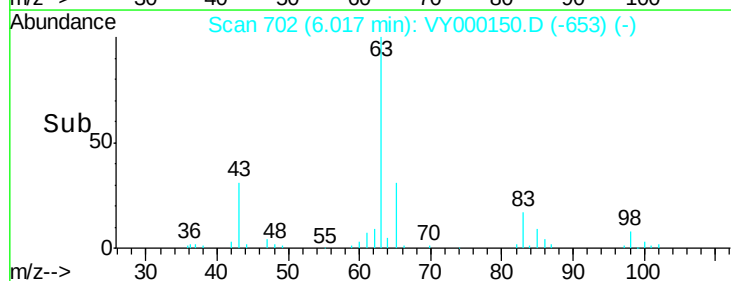
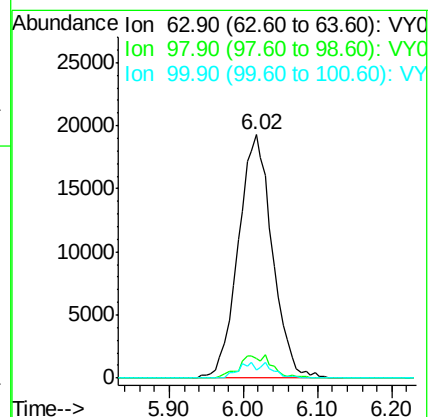
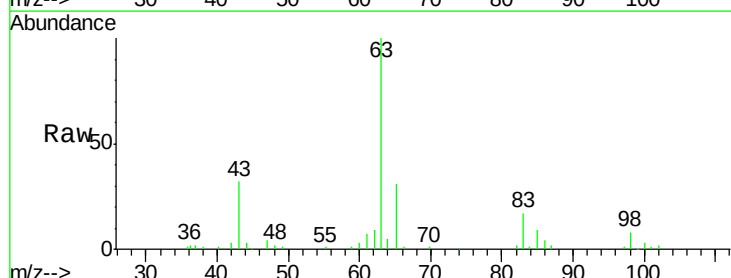
Tgt Ion: 63 Resp: 61755

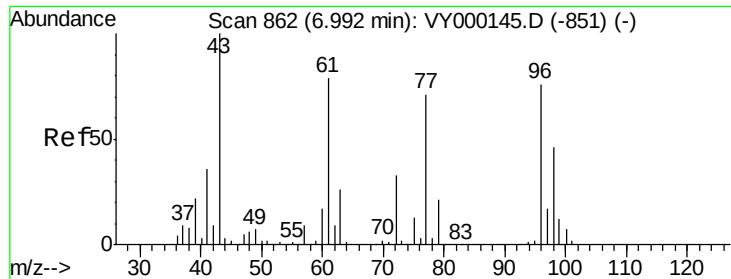
Ion Ratio Lower Upper

63 100

98 7.9 4.6 13.8

100 3.2 2.8 8.4





#25

2-Butanone

Concen: 89.465 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Tot Ion: 43 Resp: 61199

Ion Ratio Lower Upper

43 100

72 30.1 26.8 40.2

Instrument :

MSVOA_Y

ClientSampleId :

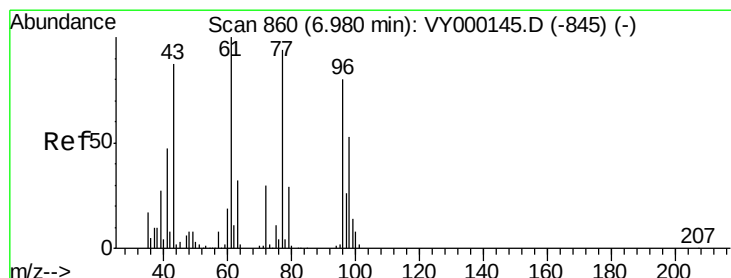
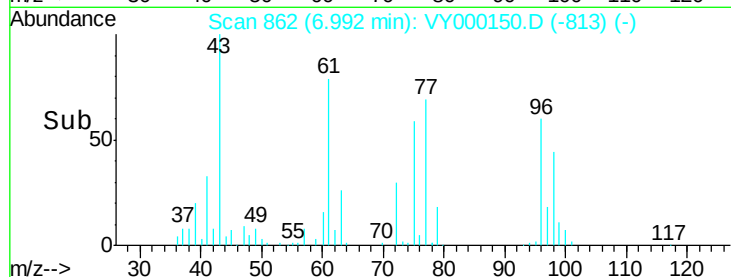
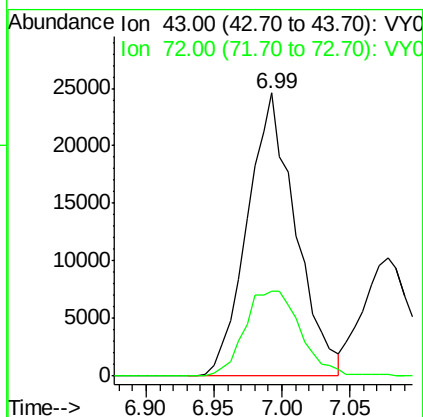
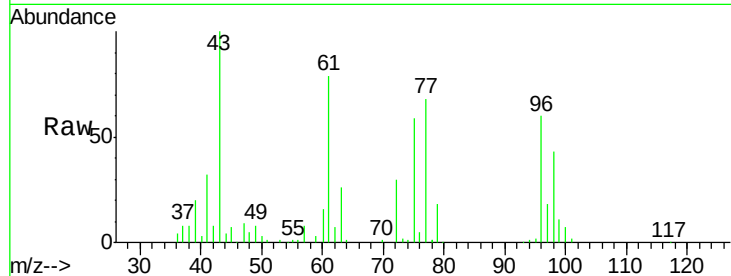
VY0926SBS01

Manual Integrations

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MMDadoda

10/2/2019 9:13:14 AM



#26

2,2-Dichloropropane

Concen: 19.482 ug/l

RT: 6.98 min Scan# 860

Delta R.T. 0.00 min

Lab File: VY000150.D

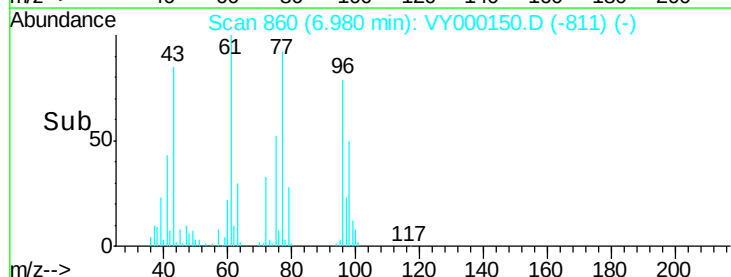
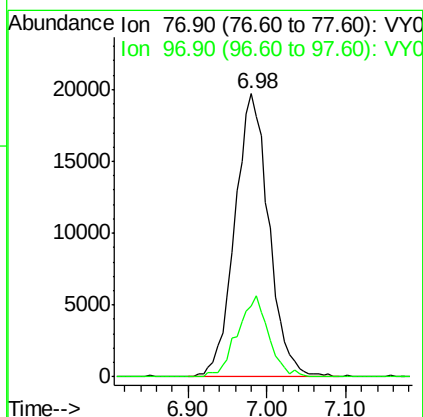
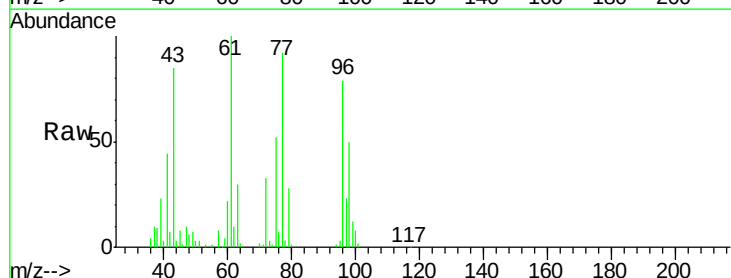
Acq: 26 Sep 2019 14:11

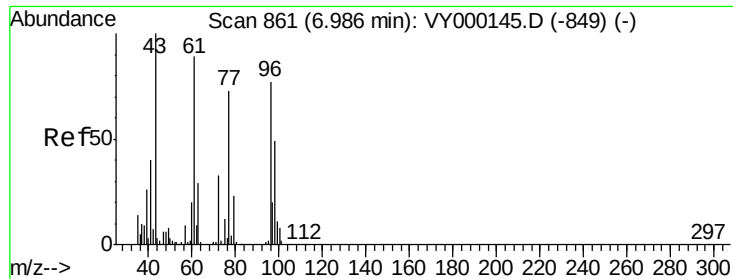
Tgt Ion: 77 Resp: 59000

Ion Ratio Lower Upper

77 100

97 26.5 13.0 38.9





#27

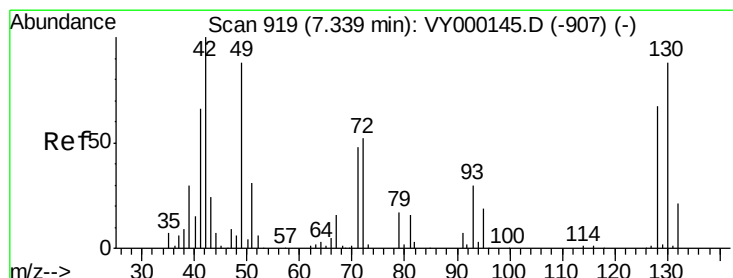
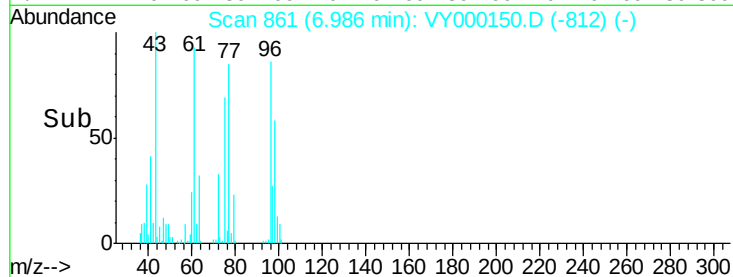
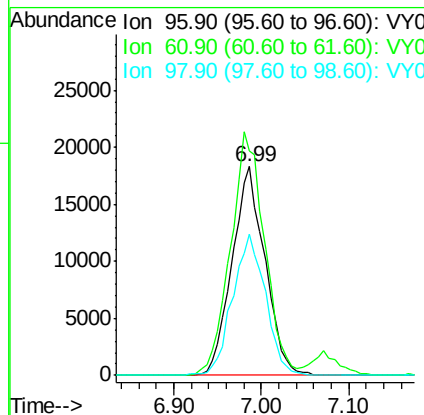
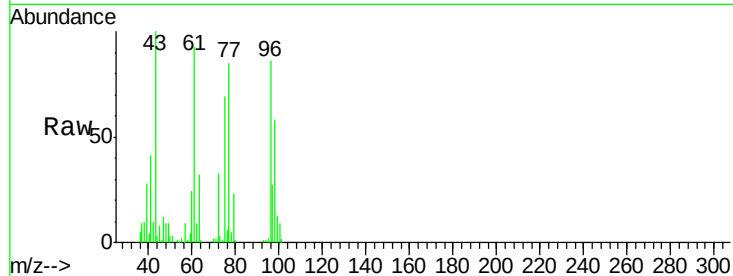
cis-1,2-Dichloroethene
Concen: 18.462 ug/l
RT: 6.99 min Scan# 861
Delta R.T. 0.00 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0926SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		47826		
61	120.7	0.0	232.8		
98	67.3	0.0	128.8		

Manual Integrations
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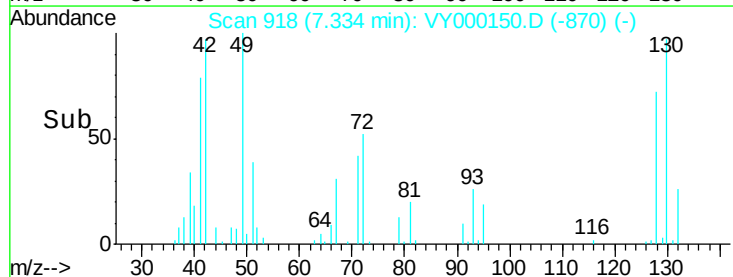
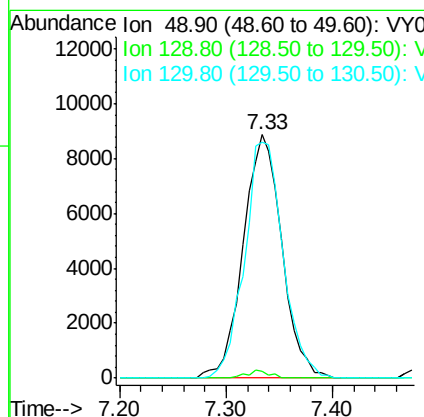
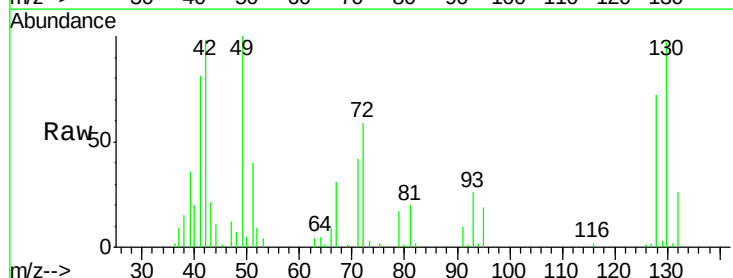
MMDadoda
10/2/2019 9:13:14 AM

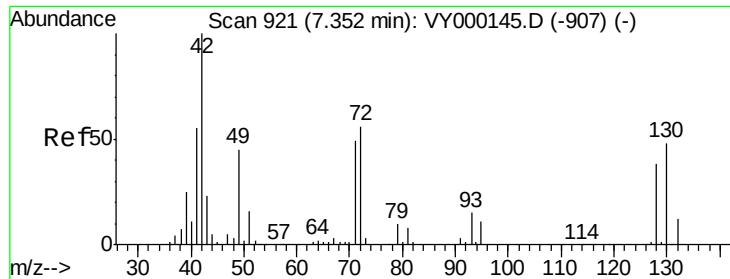


#28

Bromochloromethane
Concen: 17.798 ug/l
RT: 7.33 min Scan# 918
Delta R.T. -0.01 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		22585		
129	1.8	0.0	4.6		
130	96.9	79.5	119.3		





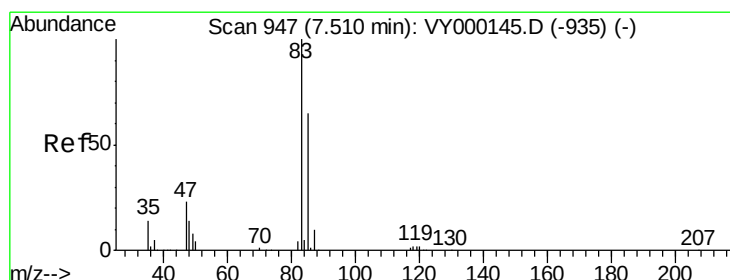
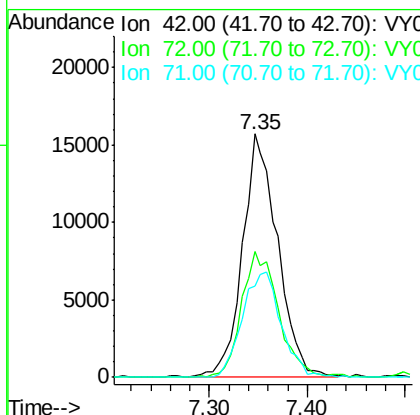
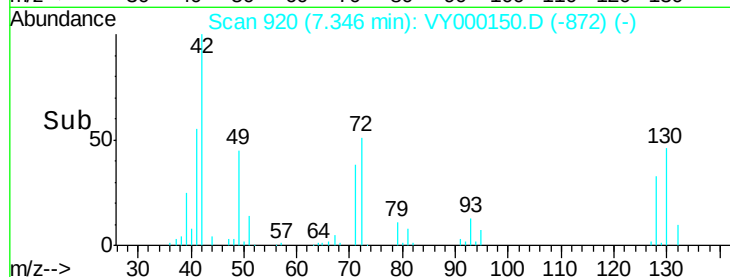
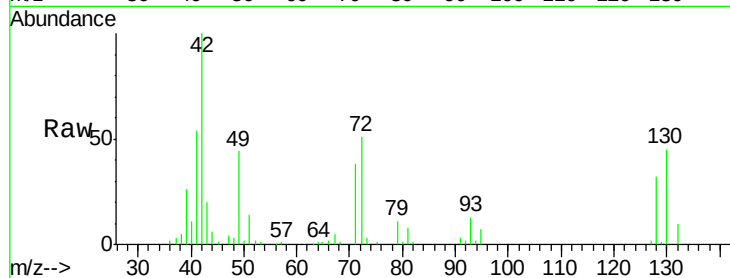
#29
Tetrahydrofuran
Concen: 92.991 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0926SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.1	43.1	64.7
71	47.8	39.4	59.2

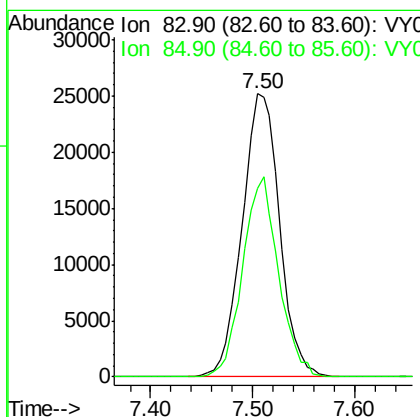
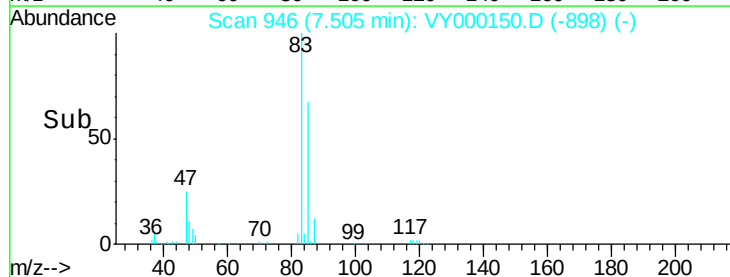
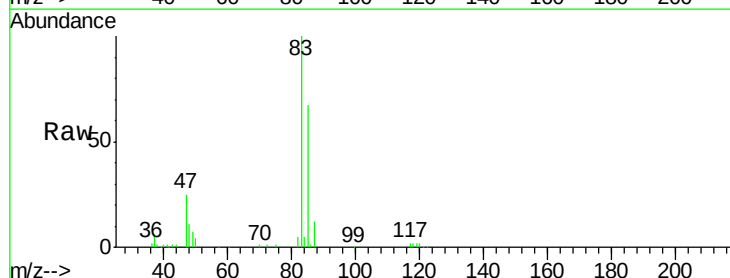
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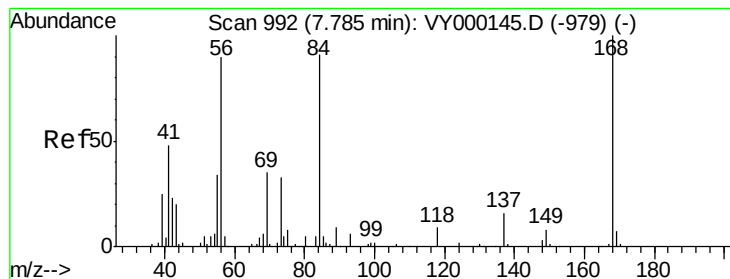
MMDadoda
10/2/2019 9:13:14 AM



#30
Chloroform
Concen: 18.472 ug/l
RT: 7.50 min Scan# 946
Delta R.T. -0.01 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.4	78.6





#31

Cyclohexane

Concen: 18.733 ug/l

RT: 7.78 min Scan# 991

Delta R.T. -0.01 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Instrument :

MSVOA_Y

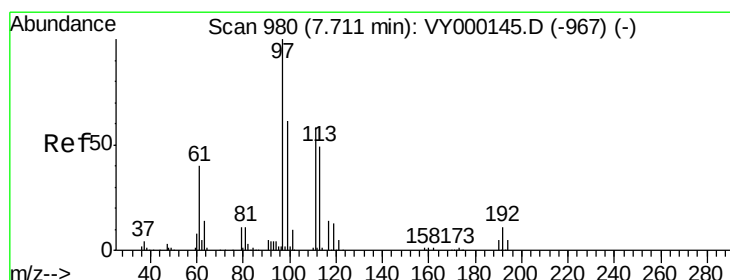
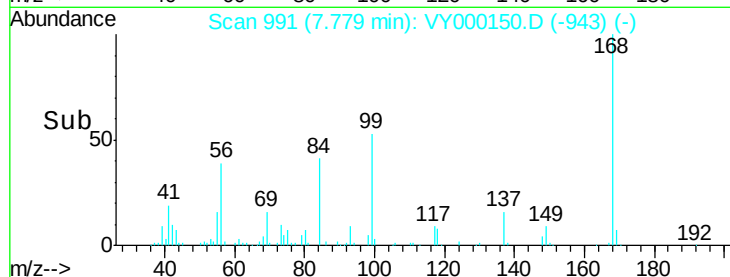
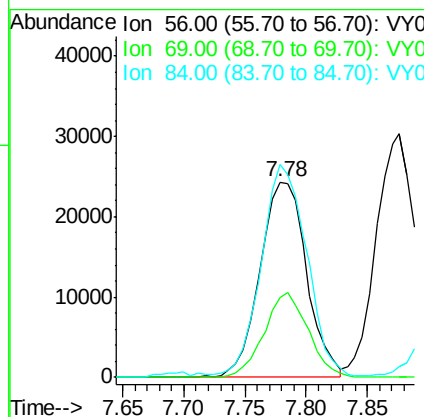
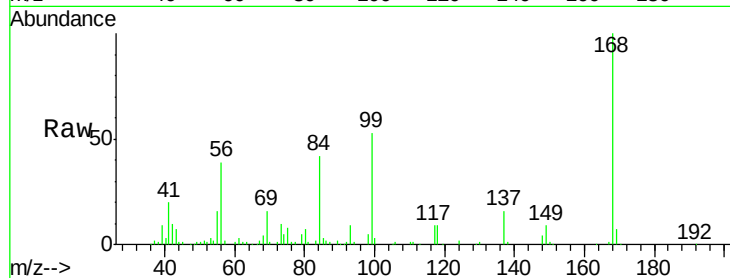
ClientSampleId :

VY0926SBS01

Tot Ion:	56	Resp:	64504
Ion	Ratio	Lower	Upper
56	100		
69	40.7	31.1	46.7
84	108.0	80.5	120.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.322 ug/l

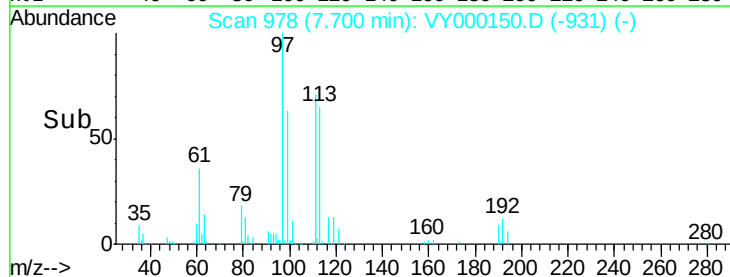
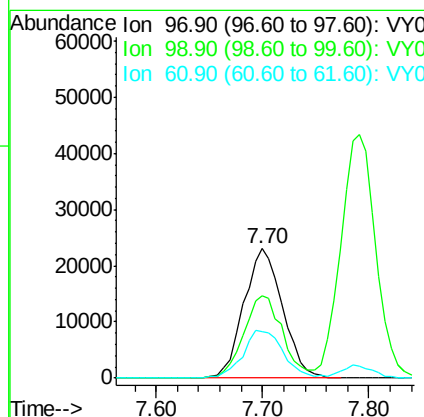
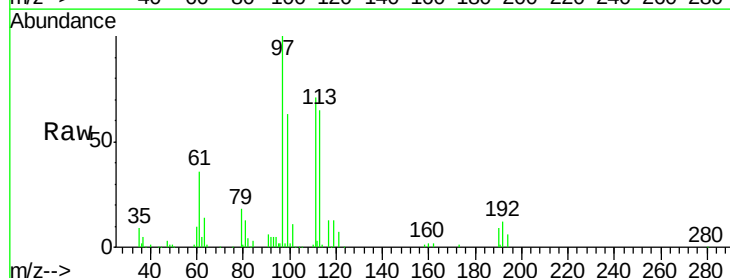
RT: 7.70 min Scan# 978

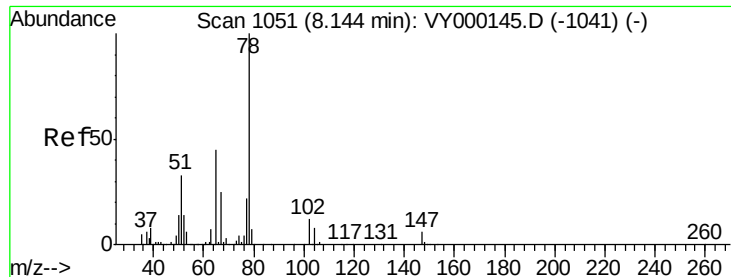
Delta R.T. -0.01 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Tgt Ion:	97	Resp:	59059
Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.5	75.7
61	38.0	32.9	49.3





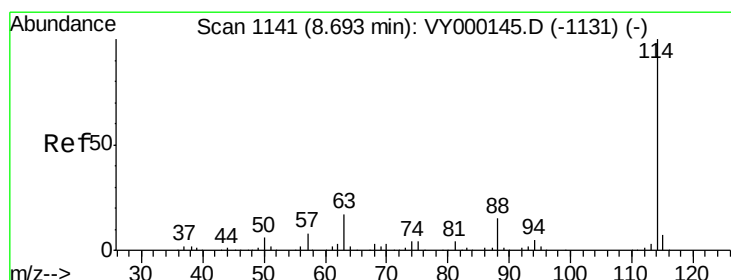
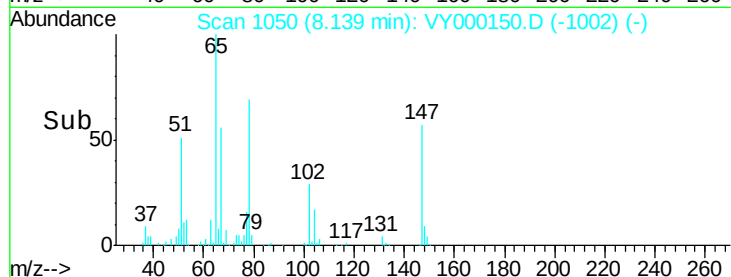
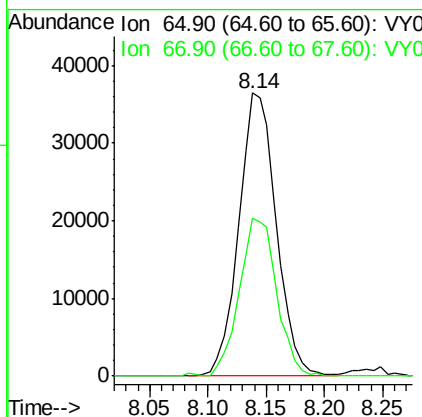
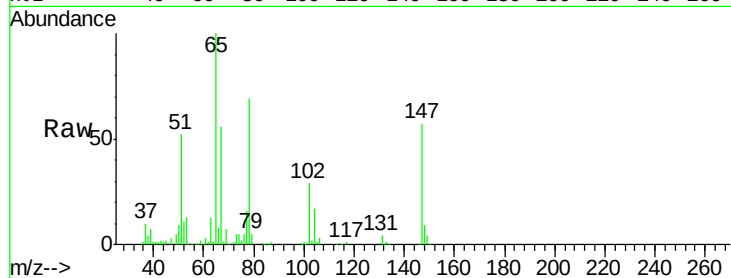
#33
 1,2-Dichloroethane-d4
 Concen: 45.935 ug/l
 RT: 8.14 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VY000150.D
 Acq: 26 Sep 2019 14:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0926SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.5	0.0	110.6

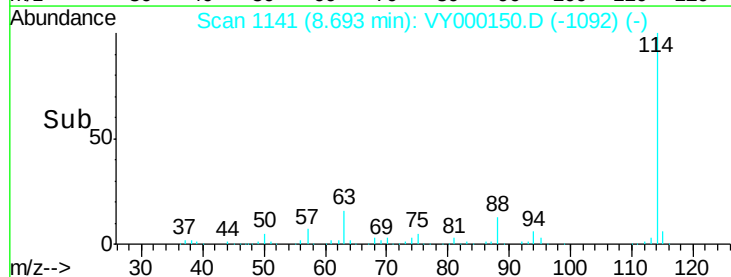
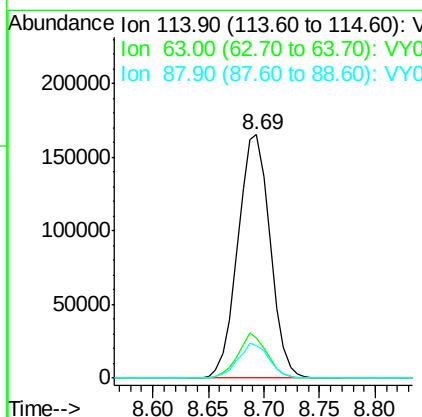
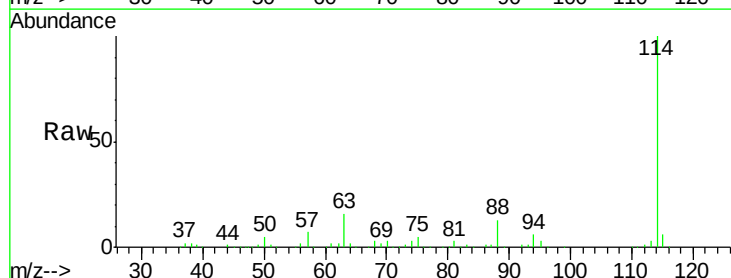
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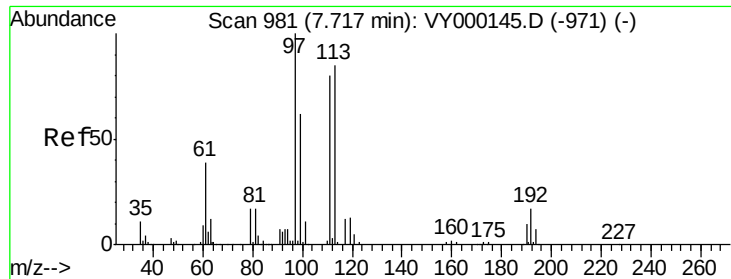
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 10/2/2019 9:13:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY000150.D
 Acq: 26 Sep 2019 14:11

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.3	0.0	34.6
88	13.2	0.0	30.6





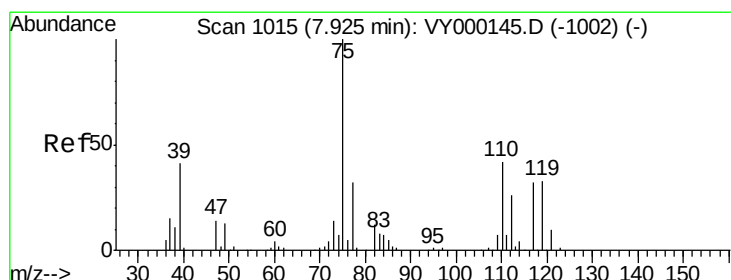
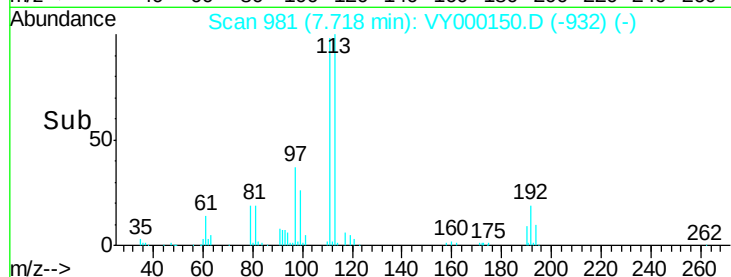
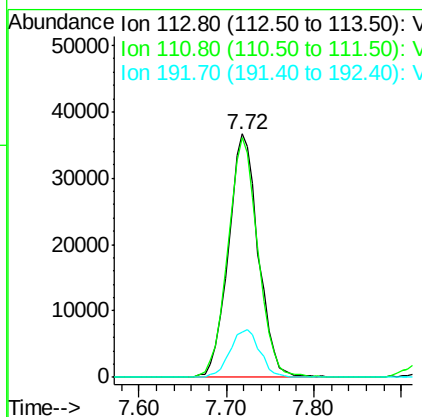
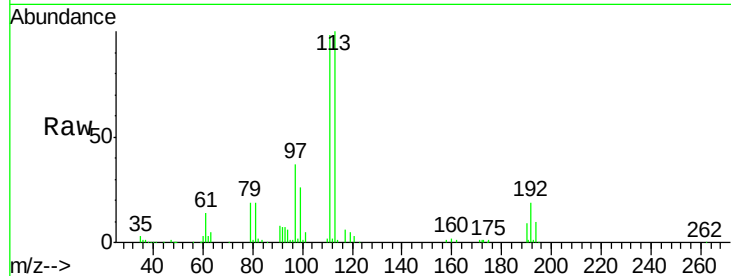
#35
 Dibromofluoromethane
 Concen: 49.775 ug/l
 RT: 7.72 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VY000150.D
 Acq: 26 Sep 2019 14:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0926SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.1	82.0	123.0
192	19.8	17.3	25.9

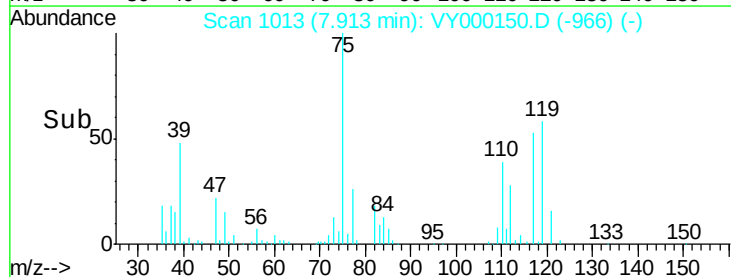
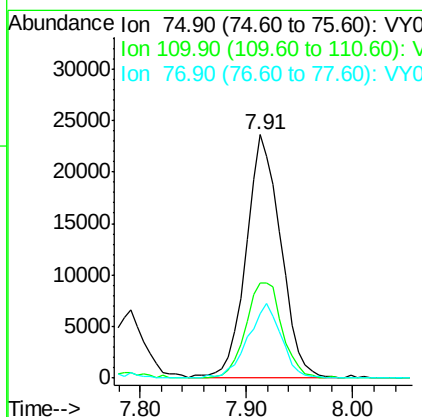
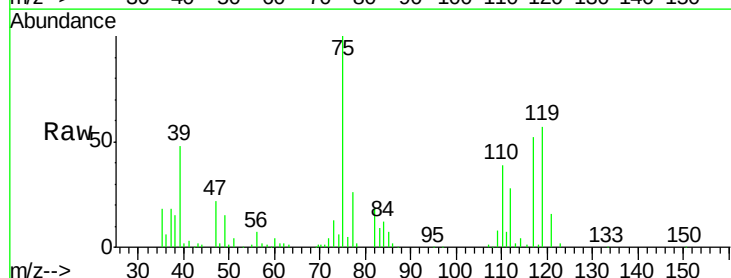
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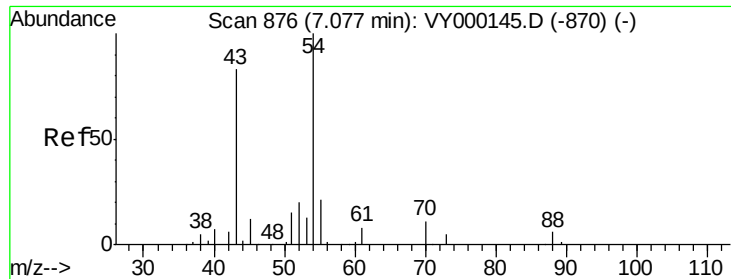
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#36
 1,1-Dichloropropene
 Concen: 19.476 ug/l
 RT: 7.91 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VY000150.D
 Acq: 26 Sep 2019 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	41.2	21.1	63.1
77	29.7	24.6	36.8





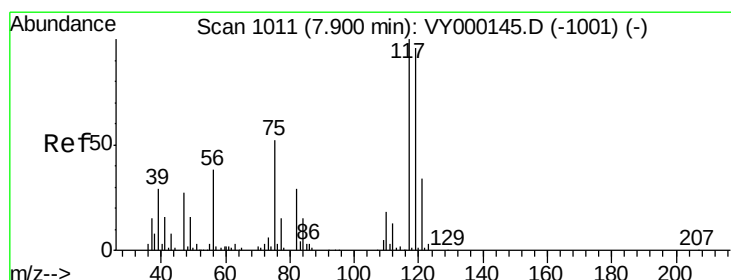
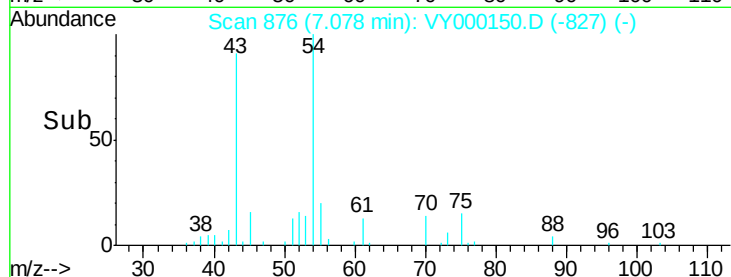
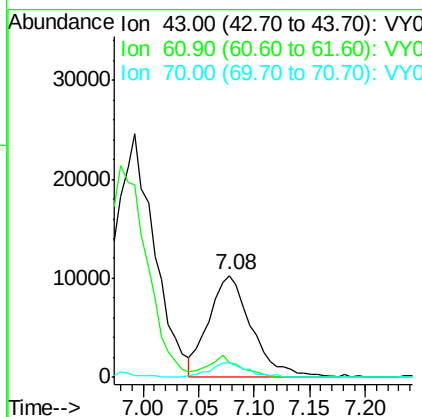
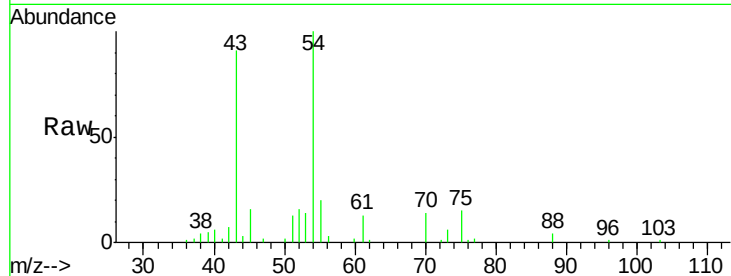
#37
Ethyl Acetate
Concen: 18.498 ug/l
RT: 7.08 min Scan# 876
Delta R.T. 0.00 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0926SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.5	11.9	17.9
70	13.1	10.2	15.2

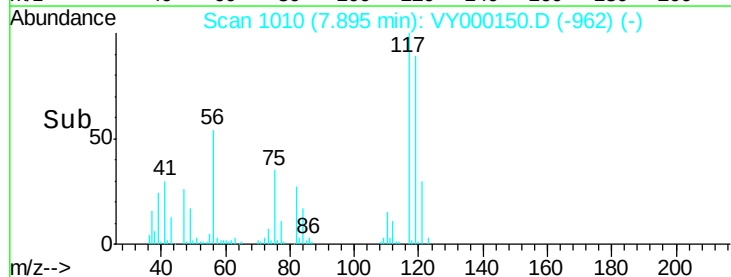
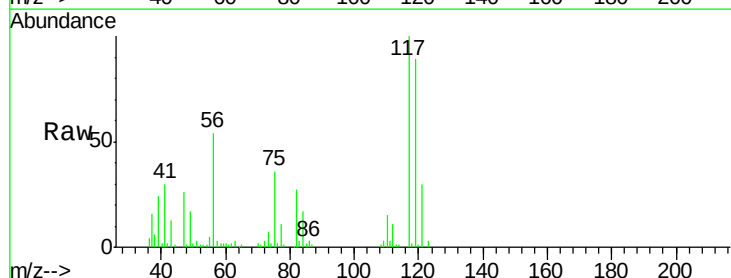
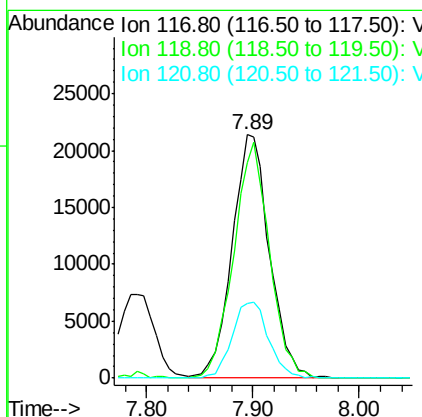
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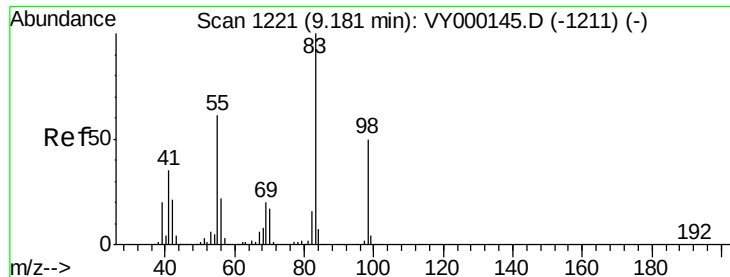
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.426 ug/l
RT: 7.89 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.7	76.9	115.3
121	30.5	27.4	41.0





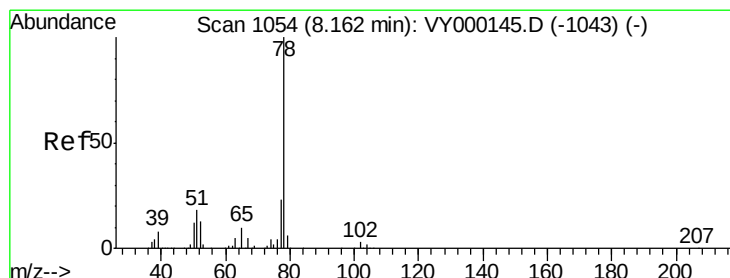
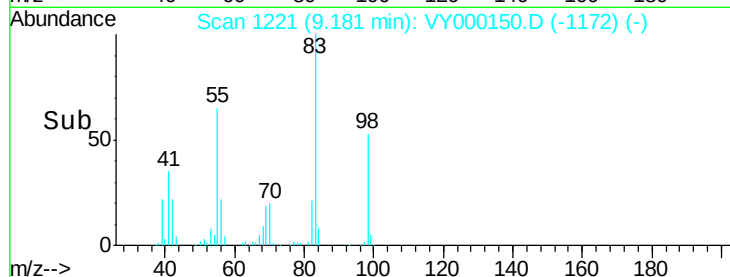
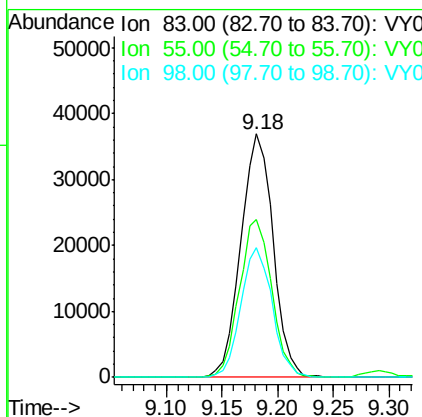
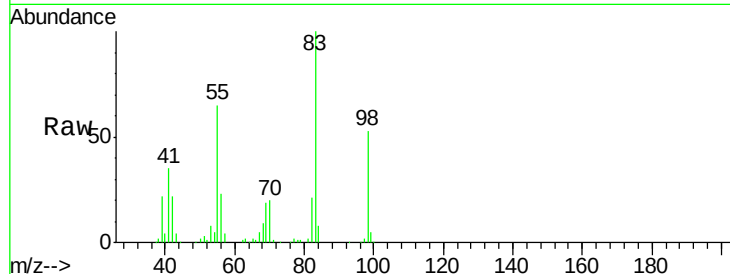
#39
Methylvlcyclohexane
Concen: 18.956 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. 0.00 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0926SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	64.9	49.1	73.7
98	53.4	40.0	60.0

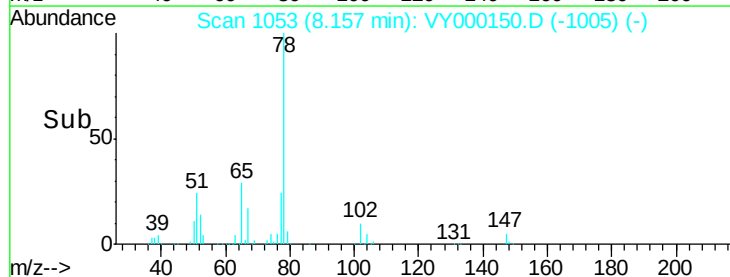
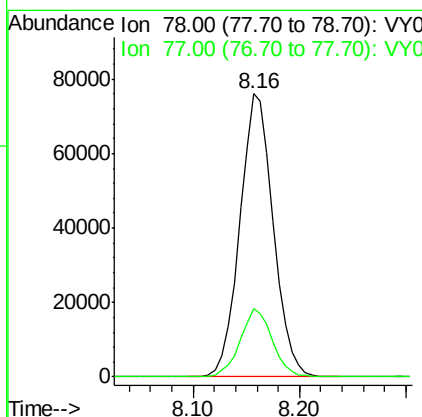
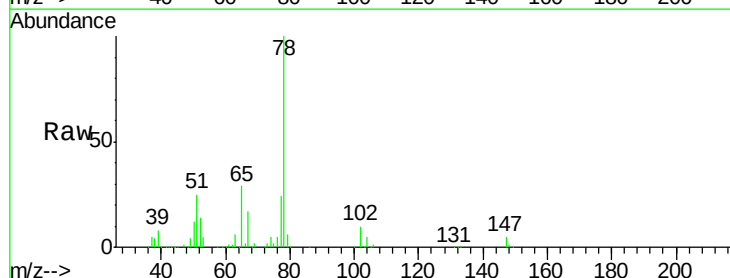
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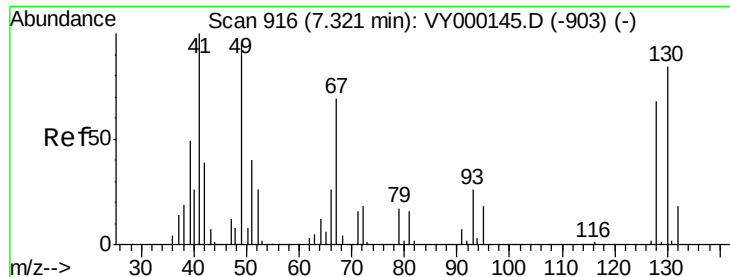
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#40
Benzene
Concen: 19.129 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.2	27.4





#41

Methacrylonitrile

Concen: 18.212 ug/l m

RT: 7.32 min Scan# 915

Delta R.T. -0.01 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Tot Ion: 41 Resp: 12837

Ion Ratio Lower Upper

41 100

39 79.9 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

Instrument :

MSVOA_Y

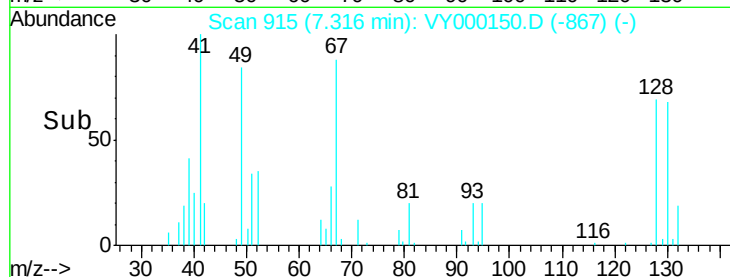
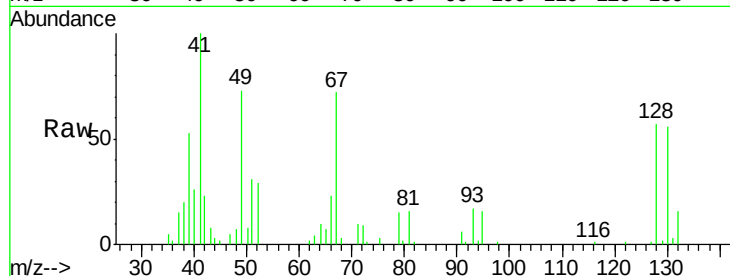
ClientSampleId :

VY0926SBS01

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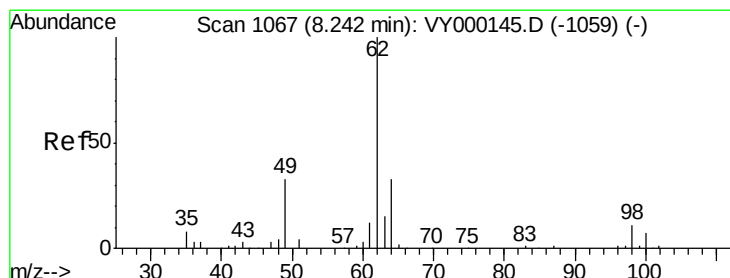
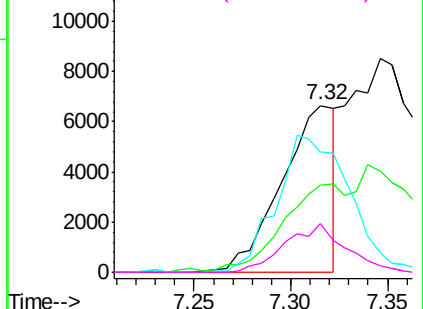


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 18.465 ug/l

RT: 8.24 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VY000150.D

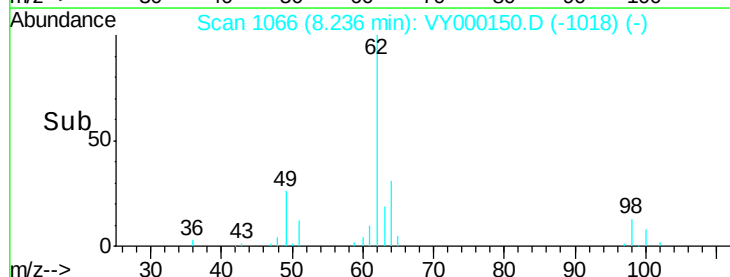
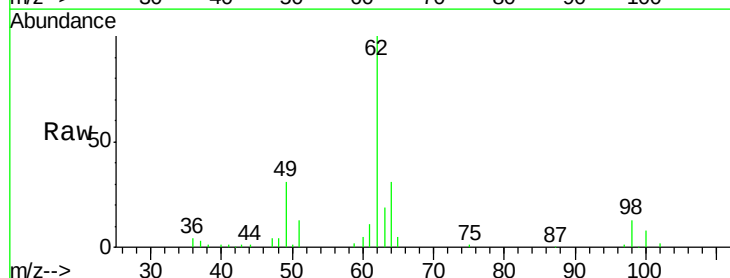
Acq: 26 Sep 2019 14:11

Tgt Ion: 62 Resp: 39314

Ion Ratio Lower Upper

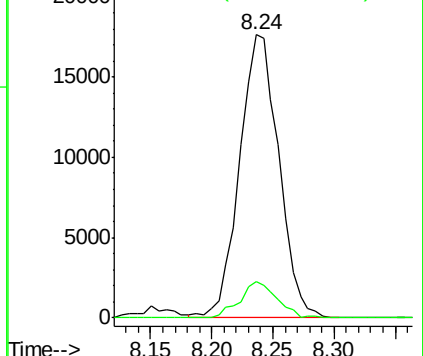
62 100

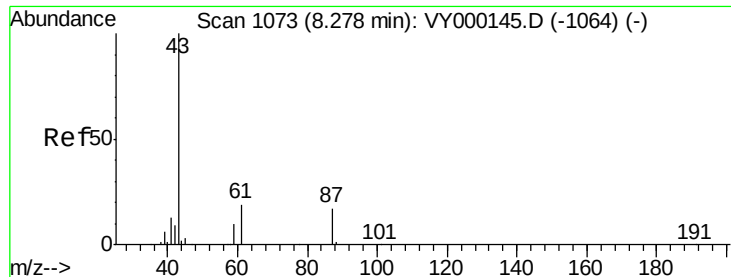
98 12.2 0.0 24.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 18.732 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Instrument :

MSVOA_Y

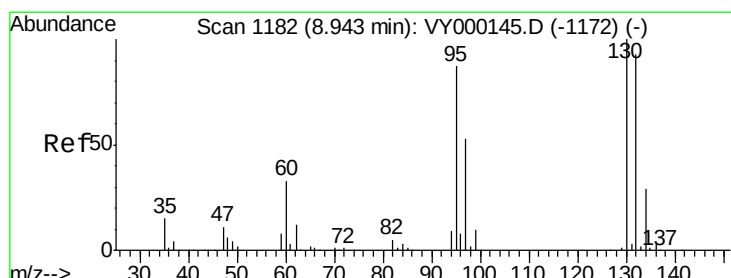
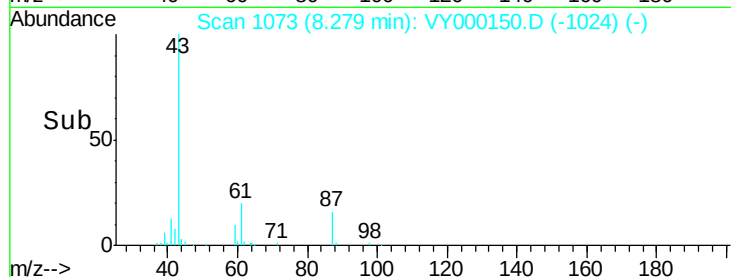
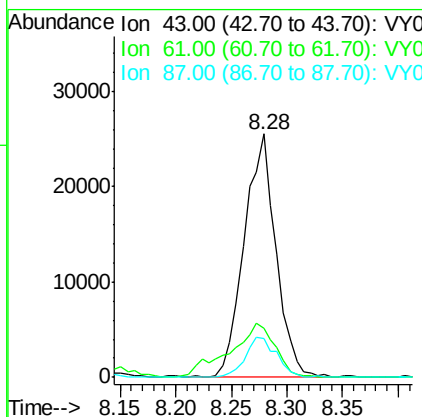
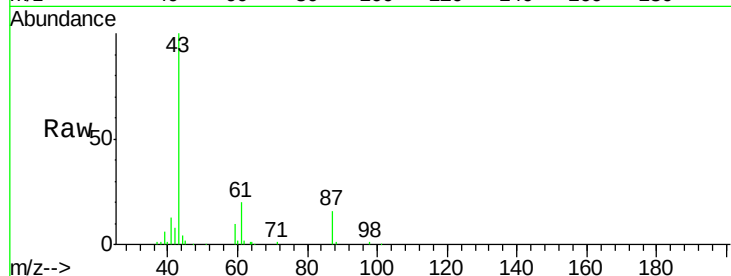
ClientSampleId :

VY0926SBS01

Tot Ion:	43	Resp:	50633
Ion	Ratio	Lower	Upper
43	100		
61	32.0	25.6	38.4
87	16.3	13.5	20.3

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#44

Trichloroethene

Concen: 18.498 ug/l

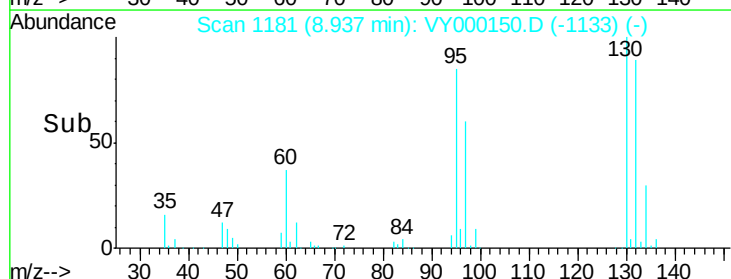
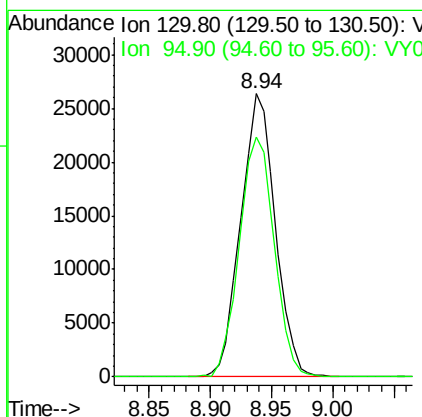
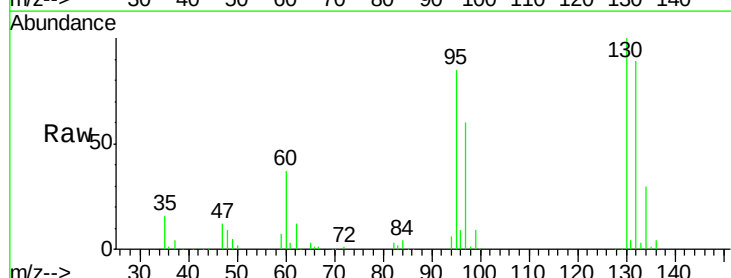
RT: 8.94 min Scan# 1181

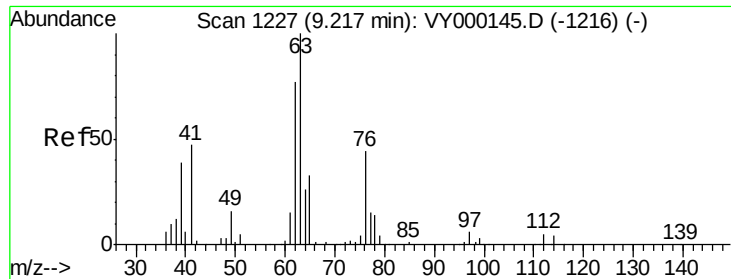
Delta R.T. -0.01 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Tgt Ion:	130	Resp:	51727
Ion	Ratio	Lower	Upper
130	100		
95	84.6	0.0	174.8





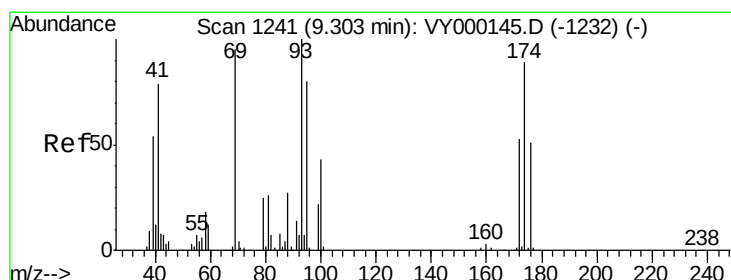
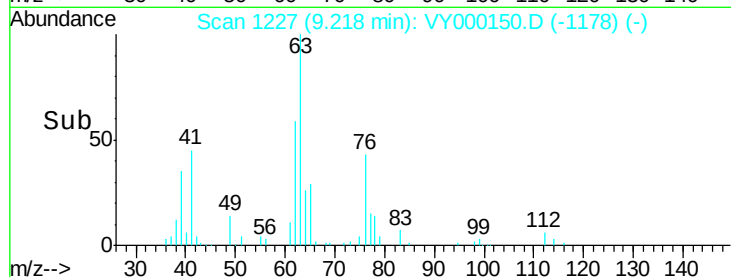
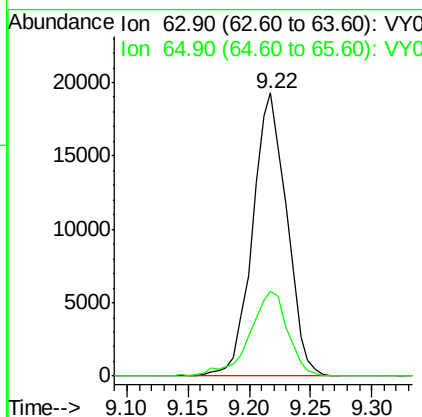
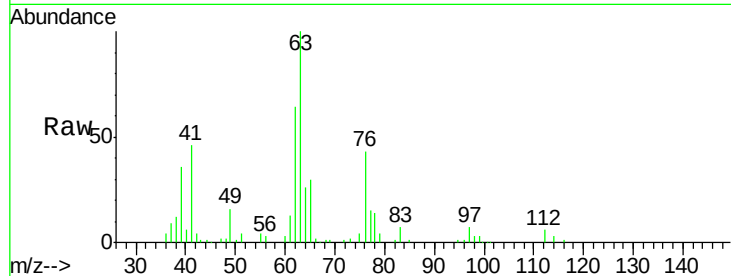
#45
 1,2-Dichloropropane
 Concen: 19.478 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY000150.D
 Acq: 26 Sep 2019 14:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0926SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	26.8	40.2

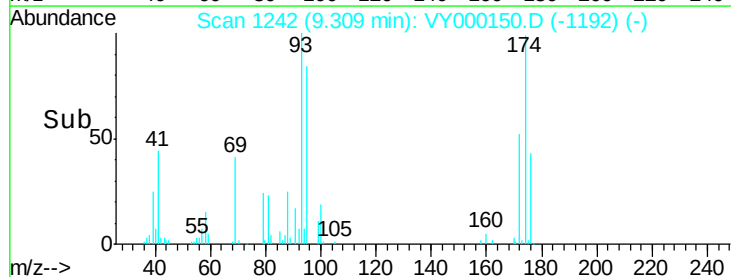
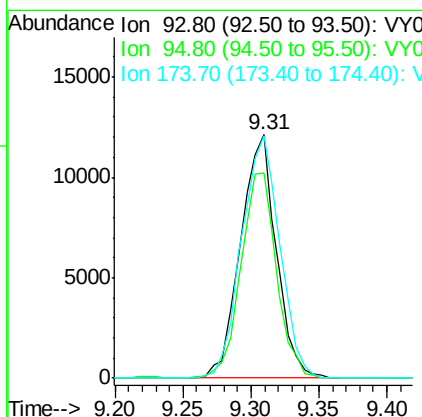
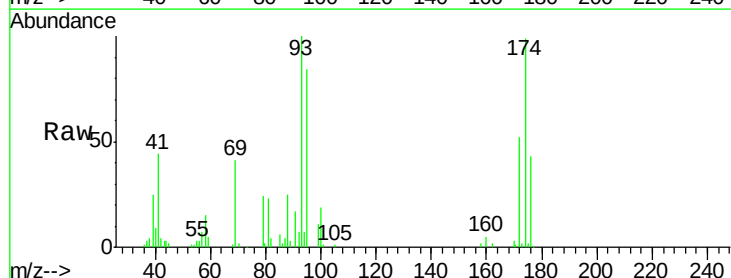
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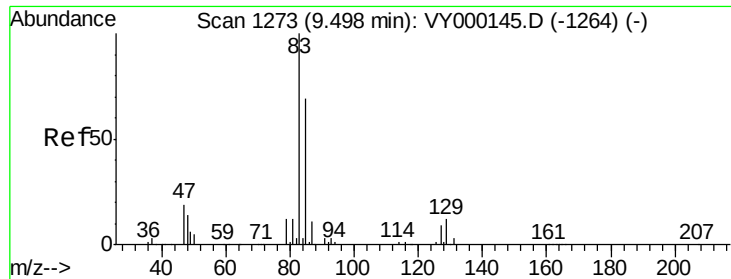
MMDadoda
 10/2/2019 9:13:14 AM



#46
 Dibromomethane
 Concen: 18.862 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.01 min
 Lab File: VY000150.D
 Acq: 26 Sep 2019 14:11

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.3	99.5
174	106.7	87.3	130.9





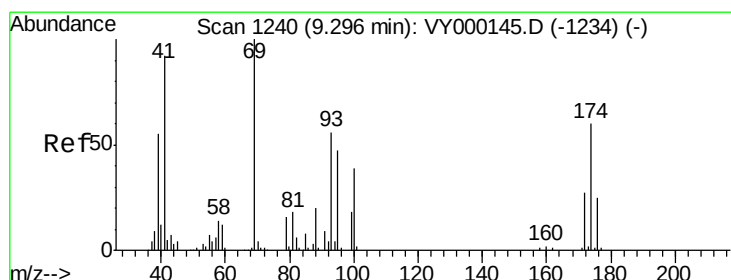
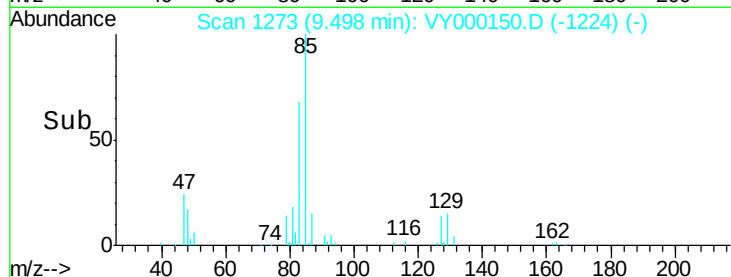
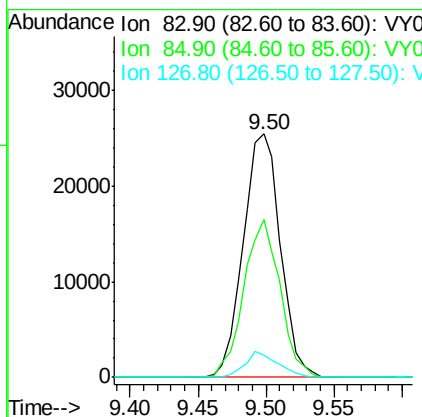
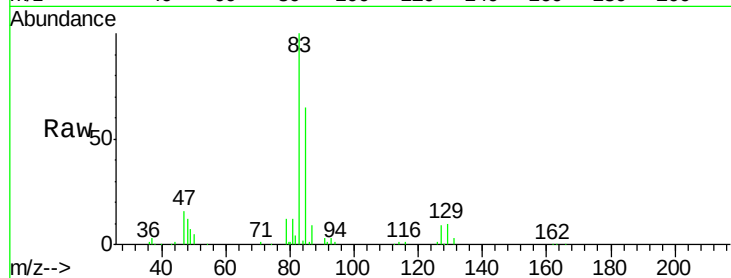
#47
Bromodichloromethane
Concen: 18.340 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0926SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	48700		
85	64.8	55.1	82.7	
127	9.1	6.9	10.3	

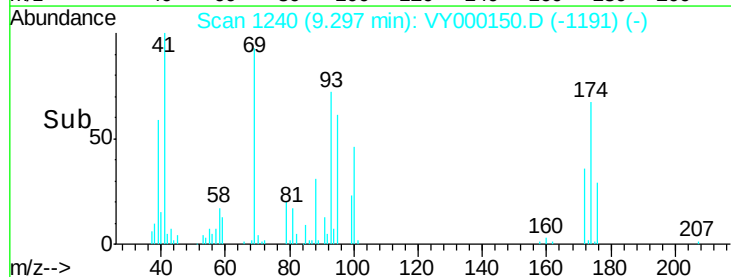
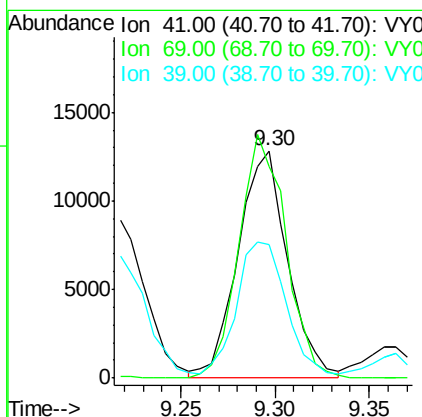
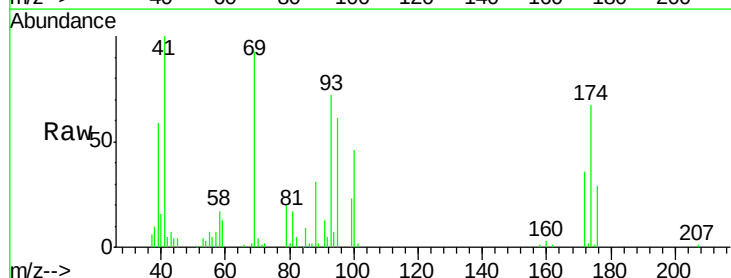
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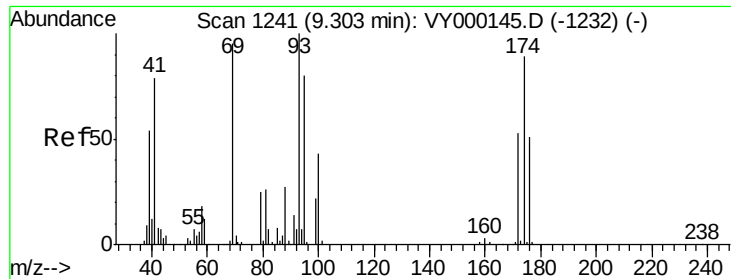
MMDadoda
10/2/2019 9:13:14 AM



#48
Methyl methacrylate
Concen: 19.213 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	23256		
69	102.2	86.5	129.7	
39	61.8	51.0	76.6	





#49

1,4-Dioxane

Concen: 413.289 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Instrument :

MSVOA_Y

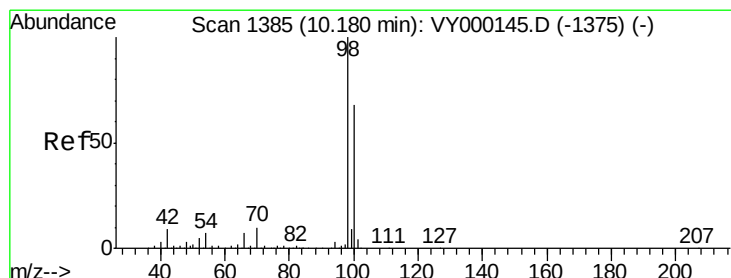
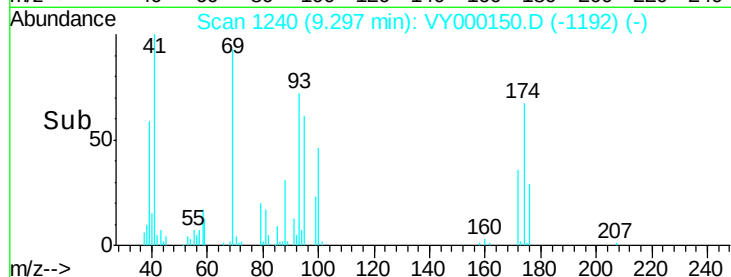
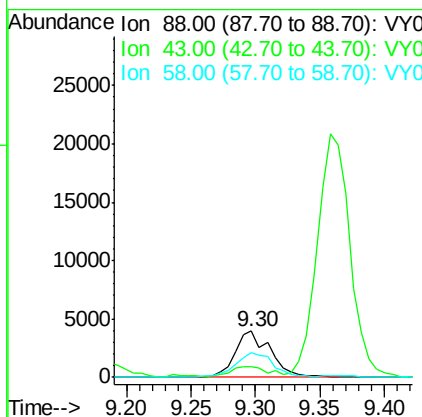
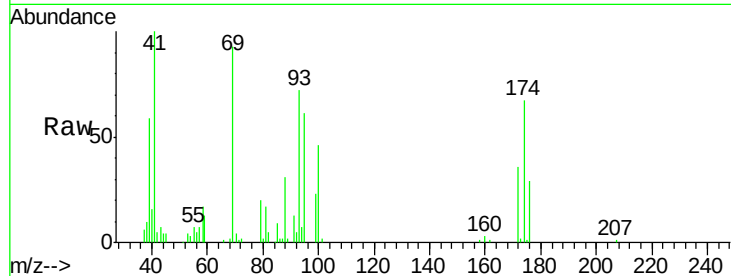
ClientSampleId :

VY0926SBS01

Tot Ion	88	Resp	7522
Ion	Ratio	Lower	Upper
88	100		
43	23.9	24.4	36.6#
58	59.0	49.2	73.8

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#50

Toluene-d8

Concen: 49.643 ug/l

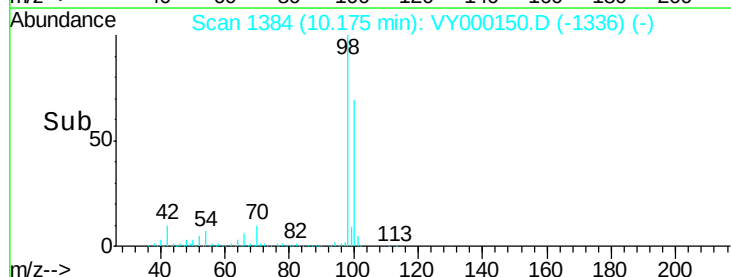
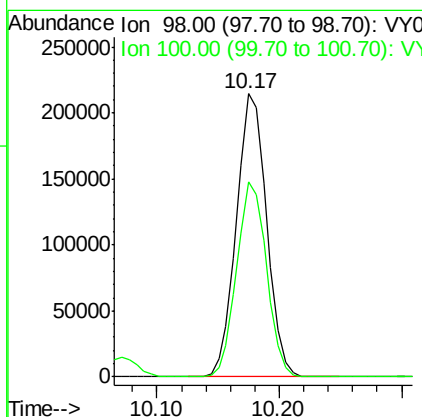
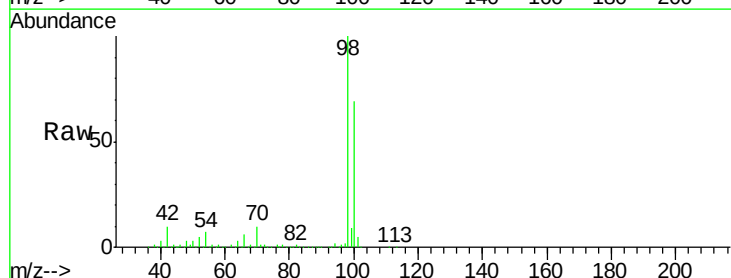
RT: 10.17 min Scan# 1384

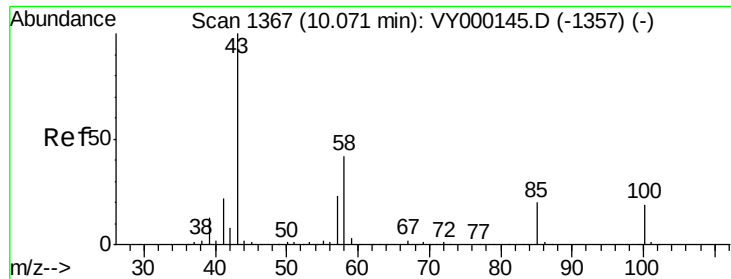
Delta R.T. -0.01 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Tgt Ion	98	Resp	366716
Ion	Ratio	Lower	Upper
98	100		
100	68.2	54.2	81.2





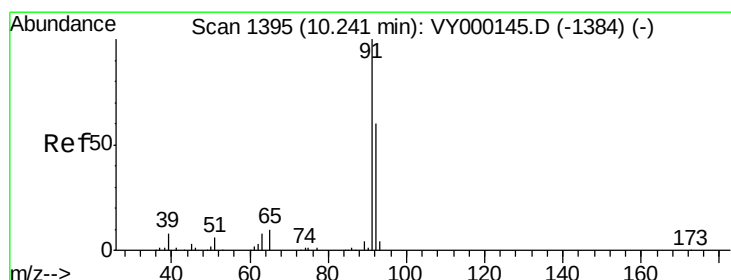
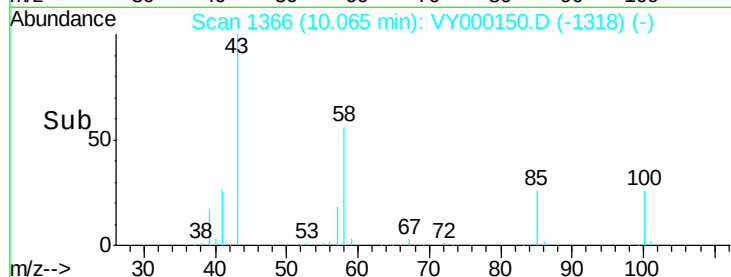
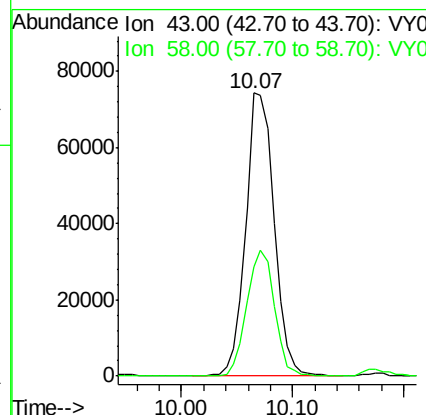
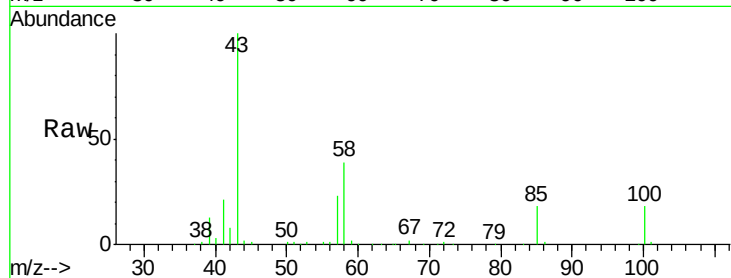
#51
4-Methyl-2-Pentanone
Concen: 94.171 ug/l
RT: 10.07 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0926SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.3	33.6	50.4

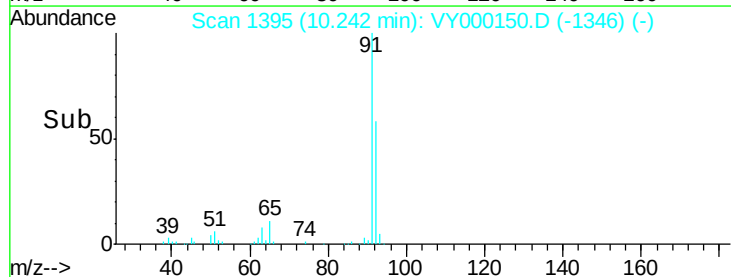
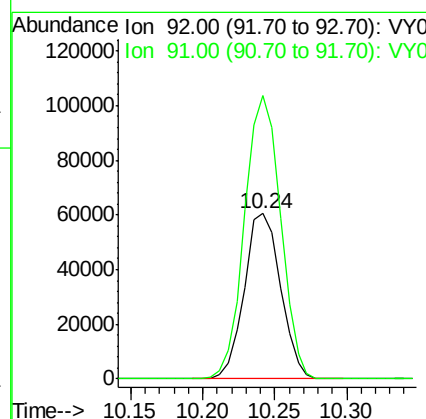
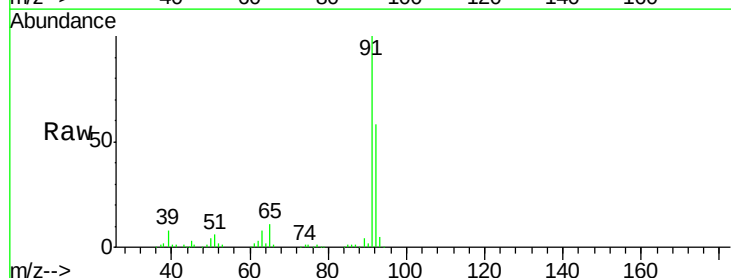
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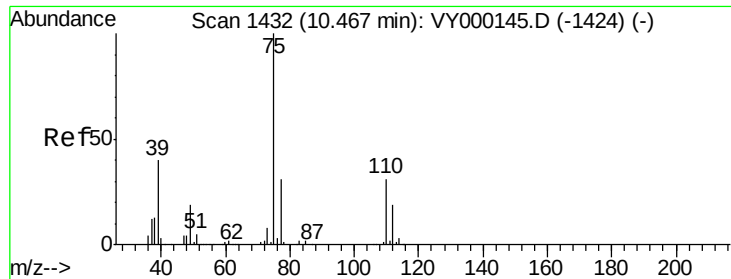
MMDadoda
10/2/2019 9:13:14 AM



#52
Toluene
Concen: 18.679 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.7	134.6	201.8





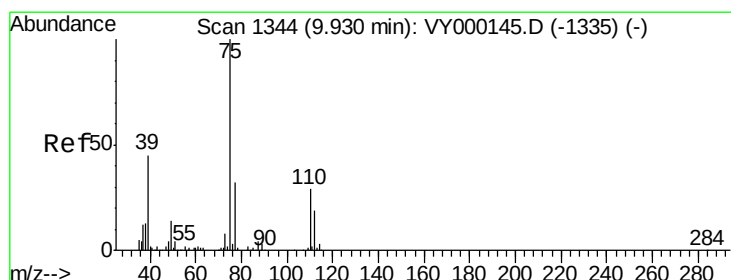
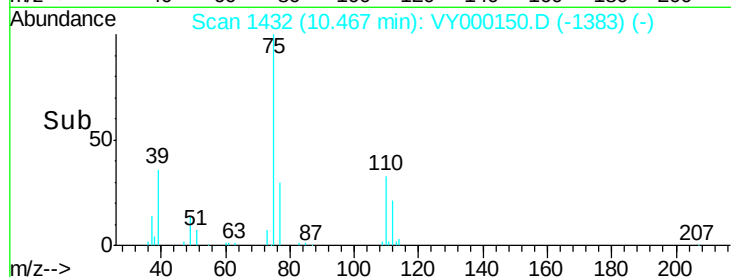
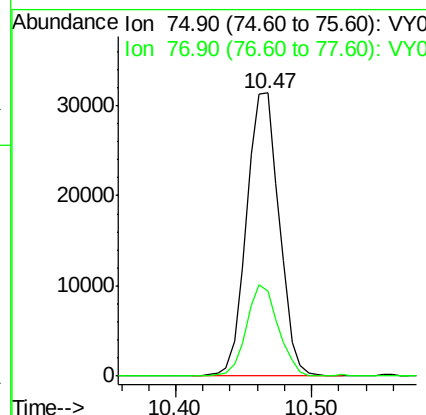
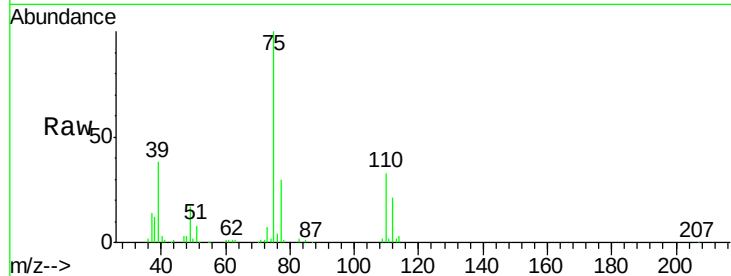
#53
 t-1,3-Dichloropropene
 Concen: 18.925 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VY000150.D
 Acq: 26 Sep 2019 14:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0926SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.0	37.4

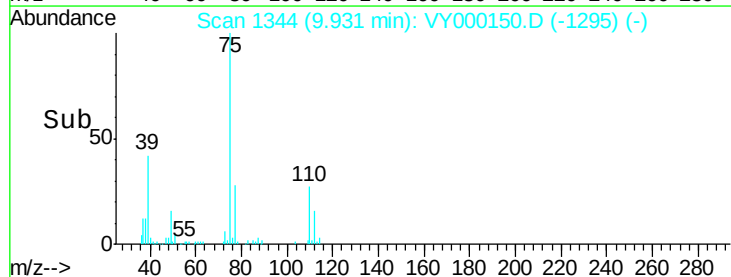
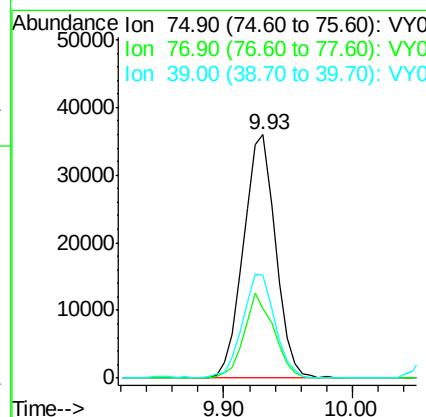
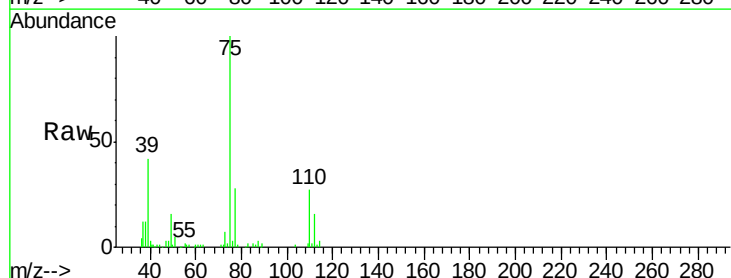
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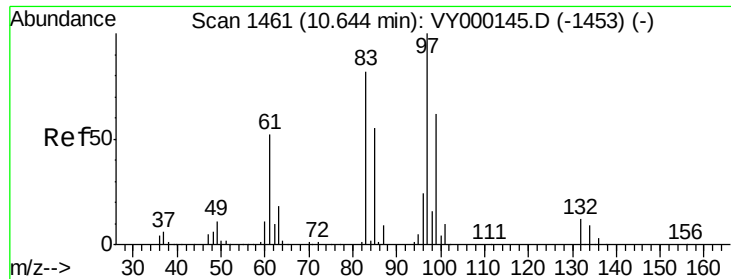
MMDadoda
 10/2/2019 9:13:14 AM



#54
 cis-1,3-Dichloropropene
 Concen: 18.720 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY000150.D
 Acq: 26 Sep 2019 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	28.3	25.4	38.0
39	42.3	35.8	53.6





#55

1,1,2-Trichloroethane

Concen: 18.732 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. 0.00 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Instrument :

MSVOA_Y

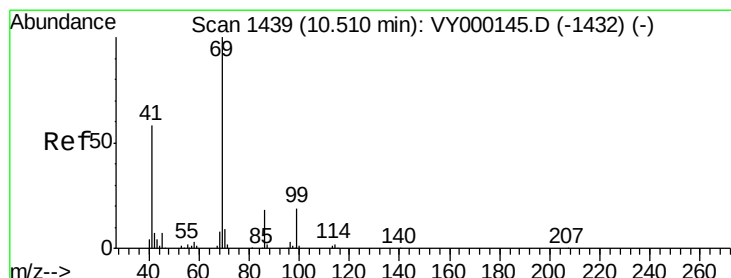
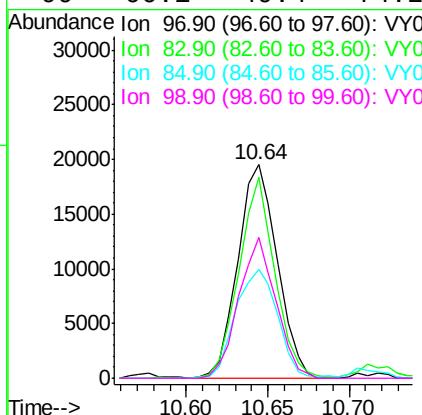
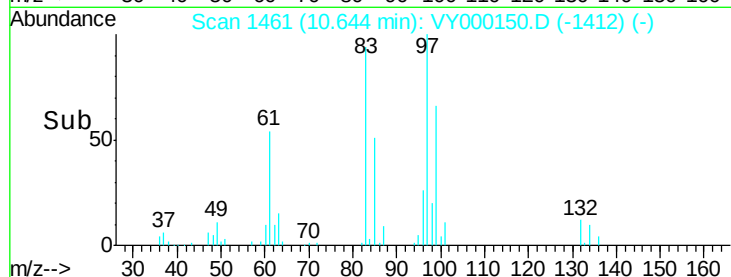
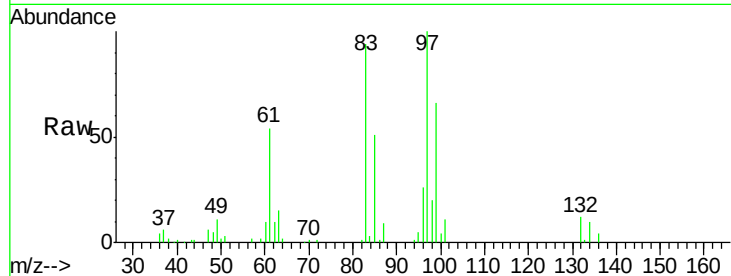
ClientSampleId :

VY0926SBS01

Tot Ion:	97	Resp:	32812
Ion	Ratio	Lower	Upper
97	100		
83	93.9	65.7	98.5
85	51.0	44.1	66.1
99	66.1	49.4	74.2

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#56

Ethyl methacrylate

Concen: 18.860 ug/l

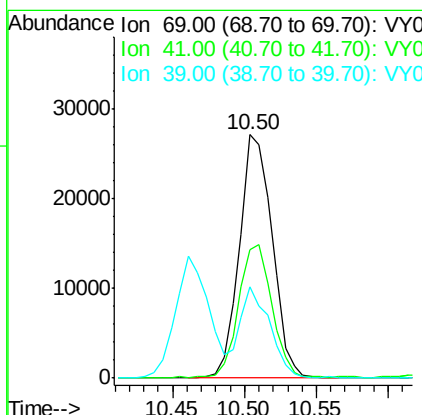
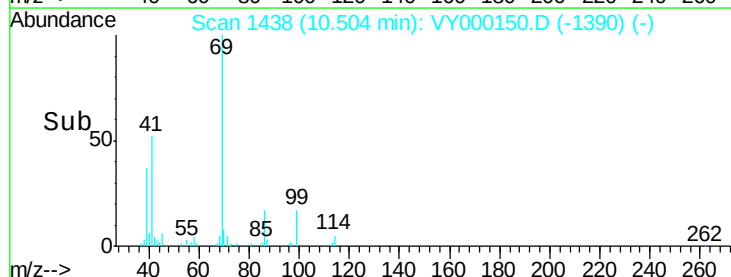
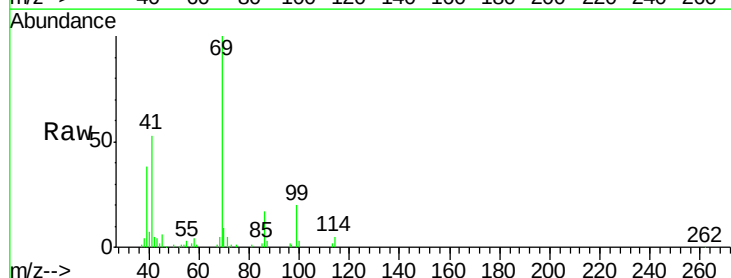
RT: 10.50 min Scan# 1438

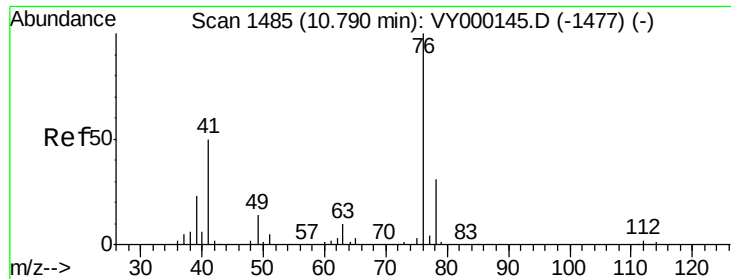
Delta R.T. -0.01 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Tgt Ion:	69	Resp:	42973
Ion	Ratio	Lower	Upper
69	100		
41	56.4	45.8	68.8
39	34.9	27.8	41.8





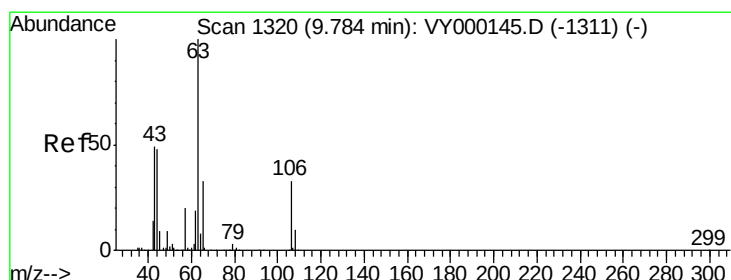
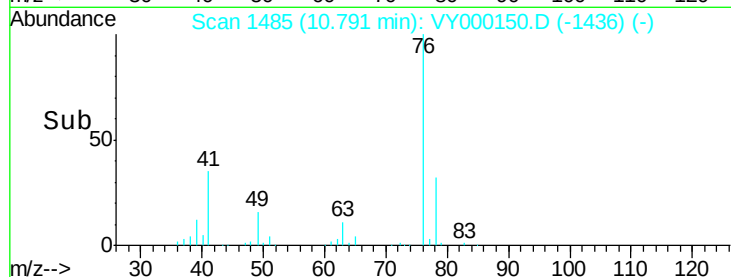
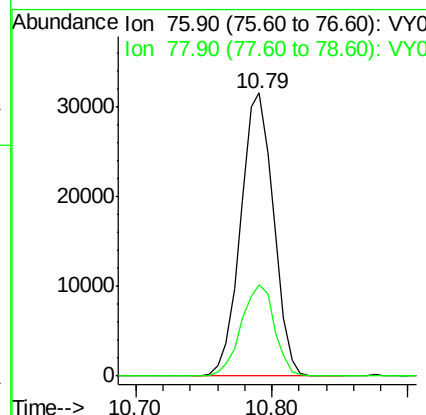
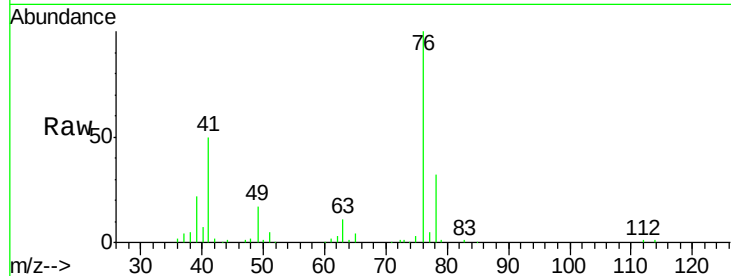
#57
 1,3-Dichloropropane
 Concen: 18.896 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY000150.D
 Acq: 26 Sep 2019 14:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0926SBS01

Tot Ion: 76 Resp: 53188
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.4 38.0

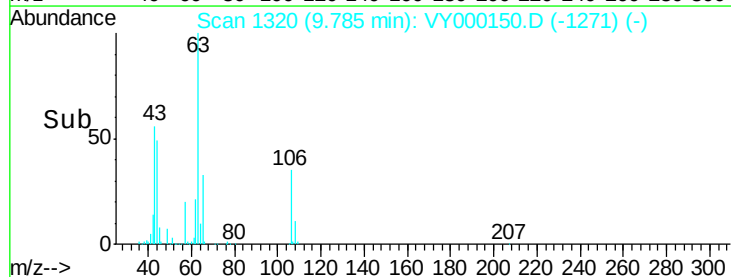
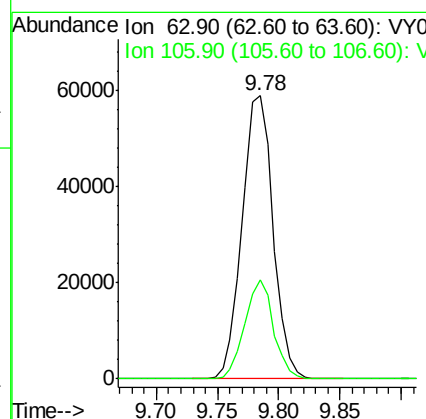
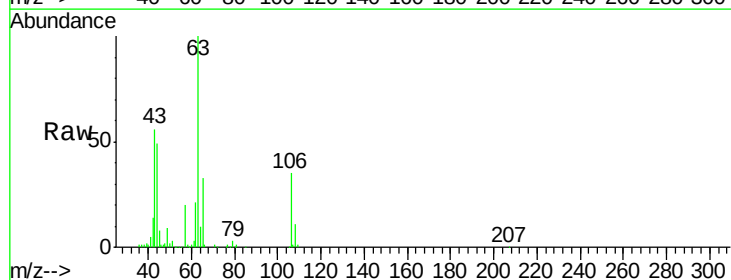
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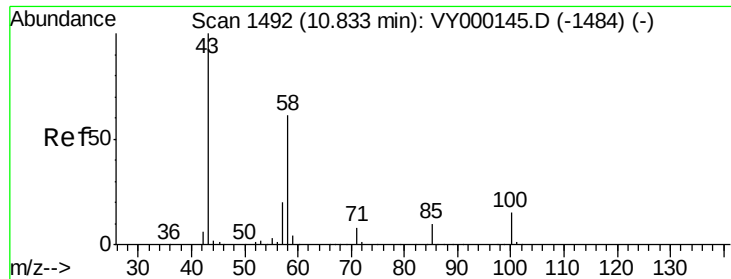
MMDadoda
 10/2/2019 9:13:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.601 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY000150.D
 Acq: 26 Sep 2019 14:11

Tgt Ion: 63 Resp: 103383
 Ion Ratio Lower Upper
 63 100
 106 32.5 27.0 40.6





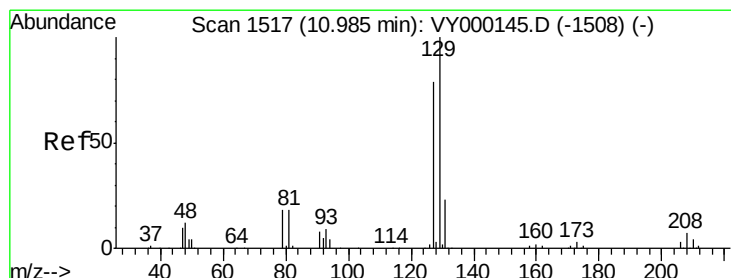
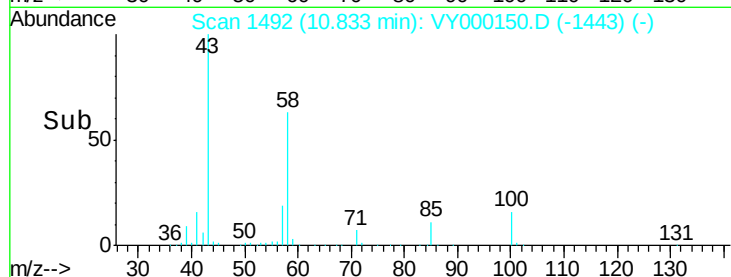
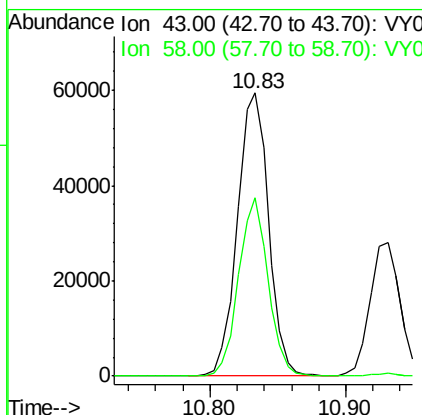
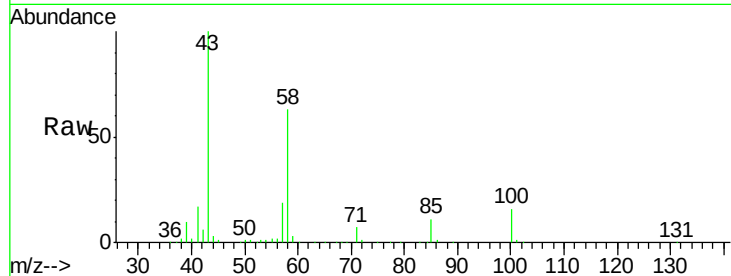
#59
2-Hexanone
Concen: 95.175 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0926SBS01

Tot Ion: 43 Resp: 94905
Ion Ratio Lower Upper
43 100
58 59.6 29.5 88.5

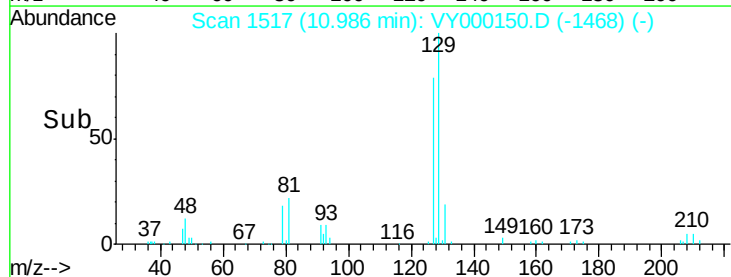
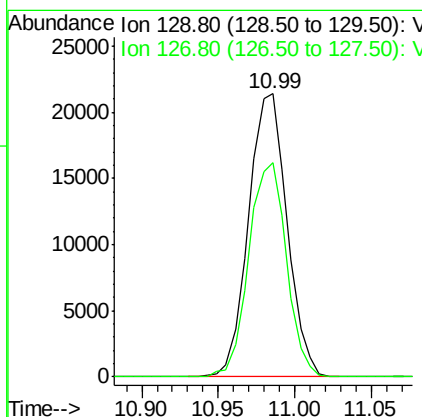
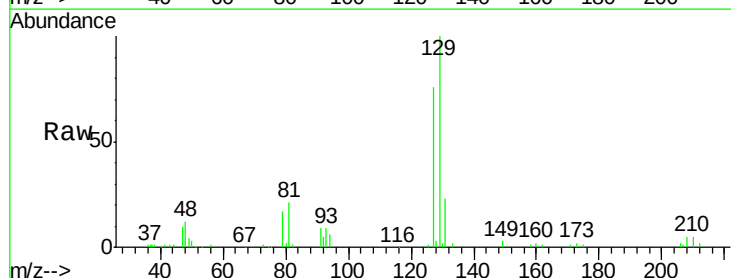
Manual Integrations
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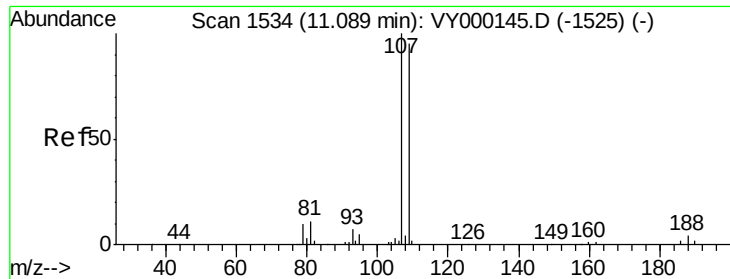
MMDadoda
10/2/2019 9:13:14 AM



#60
Dibromochloromethane
Concen: 18.968 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Tgt Ion: 129 Resp: 37560
Ion Ratio Lower Upper
129 100
127 74.0 39.4 118.1





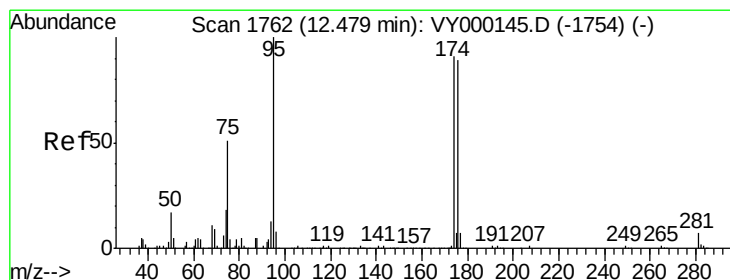
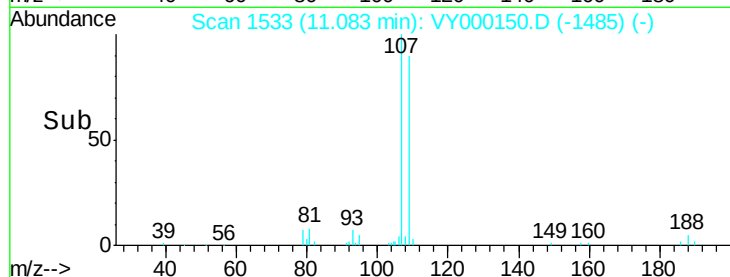
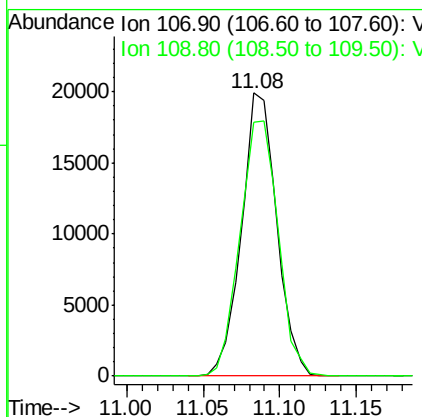
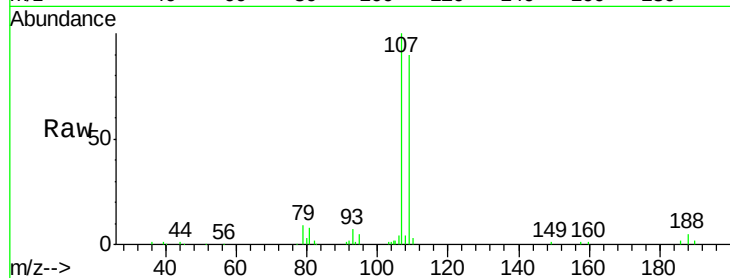
#61
 1,2-Dibromoethane
 Concen: 19.021 ug/l
 RT: 11.08 min Scan# 1533
 Delta R.T. -0.01 min
 Lab File: VY000150.D
 Acq: 26 Sep 2019 14:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0926SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.1	75.8	113.8

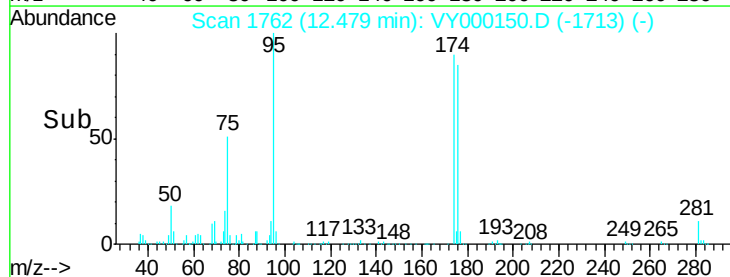
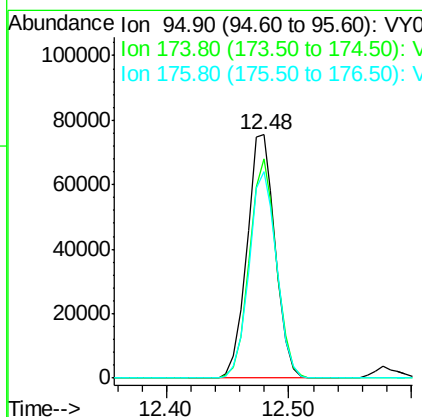
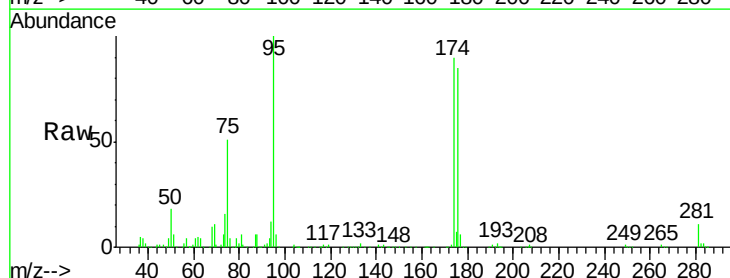
Manual Integrations
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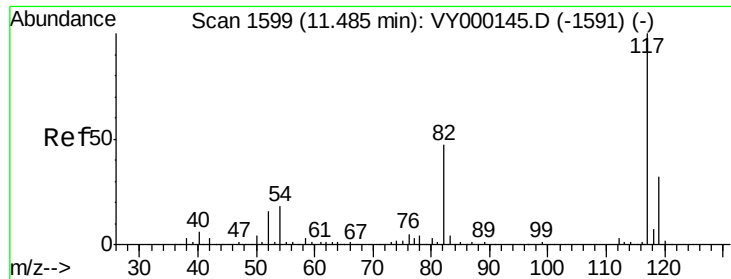
MMDadoda
 10/2/2019 9:13:14 AM



#62
 4-Bromofluorobenzene
 Concen: 44.891 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY000150.D
 Acq: 26 Sep 2019 14:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.1	0.0	180.6
176	83.0	0.0	171.6





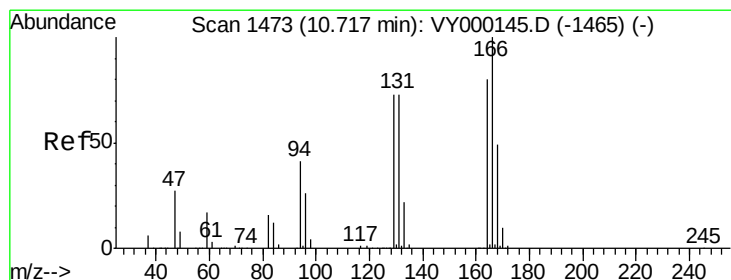
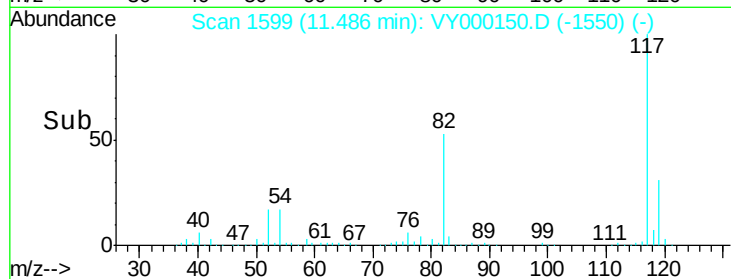
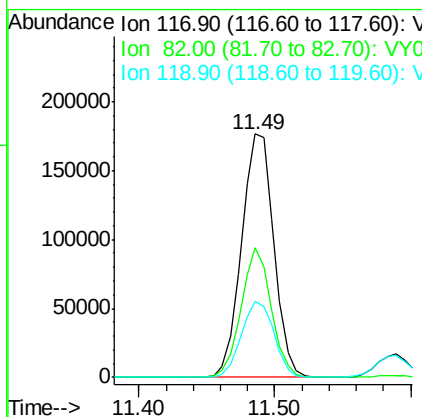
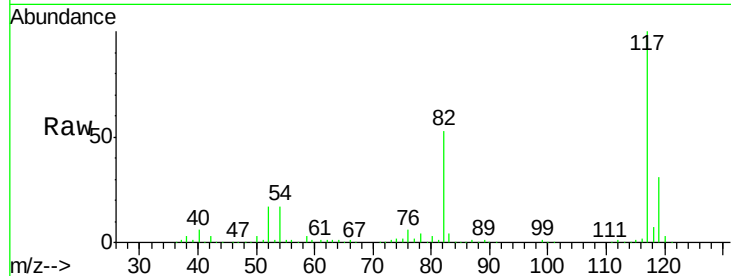
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0926SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	292691		
82	53.1	37.7	56.5	
119	31.4	25.4	38.2	

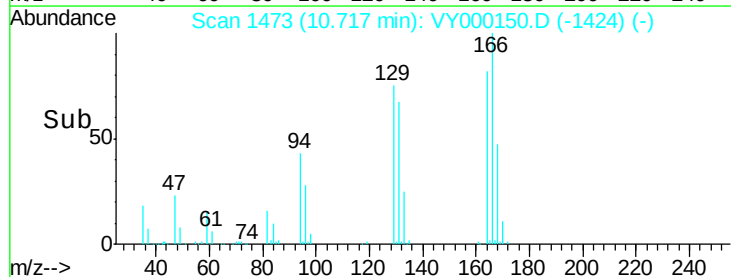
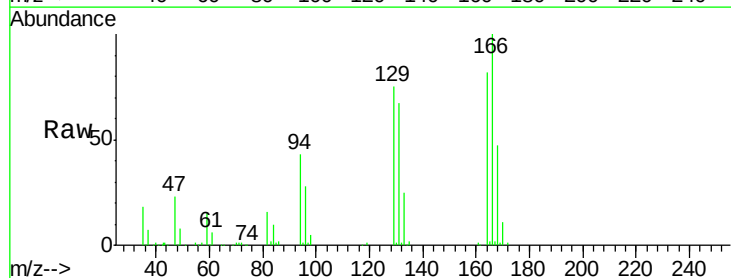
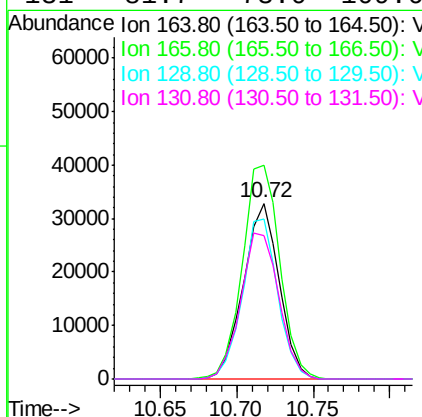
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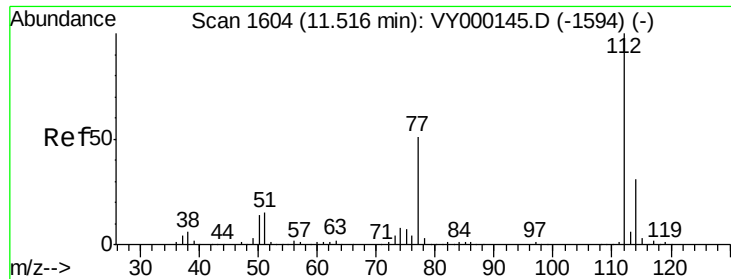
MMDadoda
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#64
Tetrachloroethene
Concen: 18.363 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	53243		
166	121.8	99.5	149.3	
129	91.6	72.8	109.2	
131	81.7	73.0	109.6	





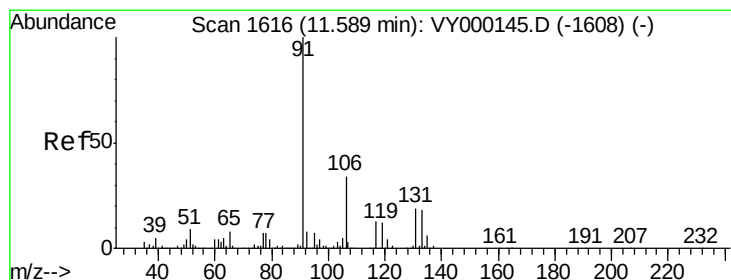
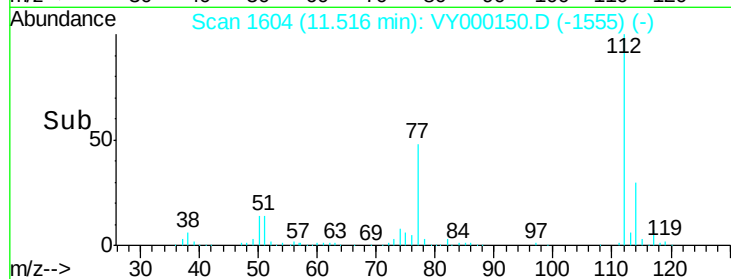
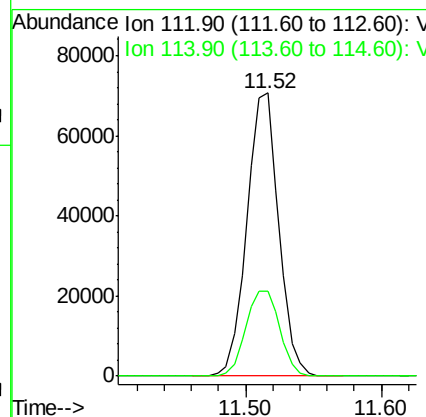
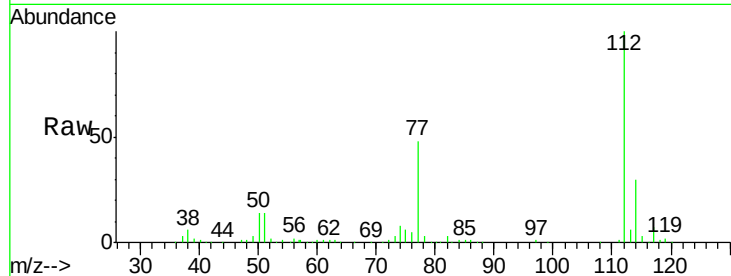
#65
Chlorobenzene
Concen: 18.936 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0926SBS01

Tot Ion:112 Resp: 115341
Ion Ratio Lower Upper
112 100
114 29.8 25.1 37.7

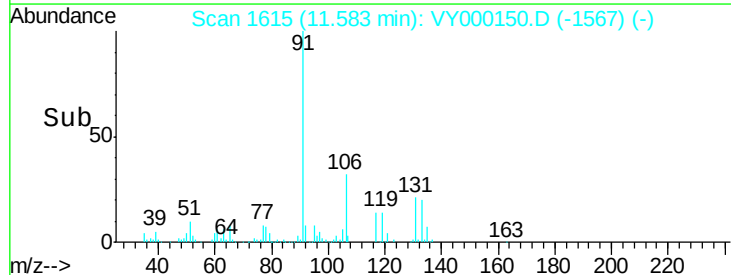
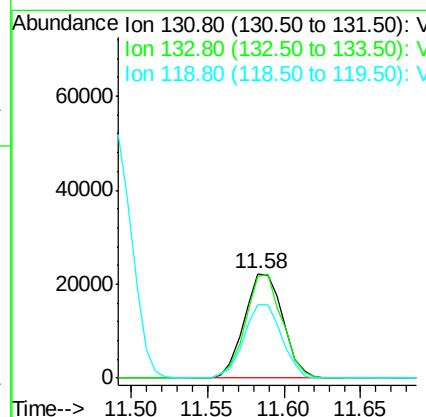
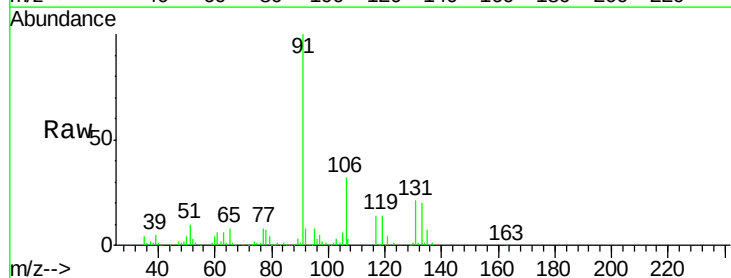
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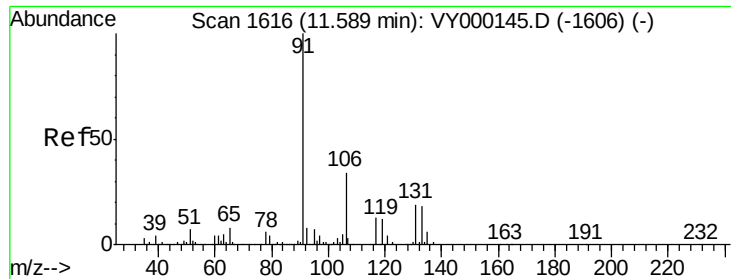
MMDadoda
10/2/2019 9:13:14 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.858 ug/l
RT: 11.58 min Scan# 1615
Delta R.T. -0.01 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Tgt Ion:131 Resp: 38813
Ion Ratio Lower Upper
131 100
133 94.5 47.2 141.6
119 69.7 32.3 96.9





#67

Ethyl Benzene

Concen: 18.872 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Instrument :

MSVOA_Y

ClientSampleId :

VY0926SBS01

Tot Ion: 91 Resp: 196487

Ion Ratio Lower Upper

91 100

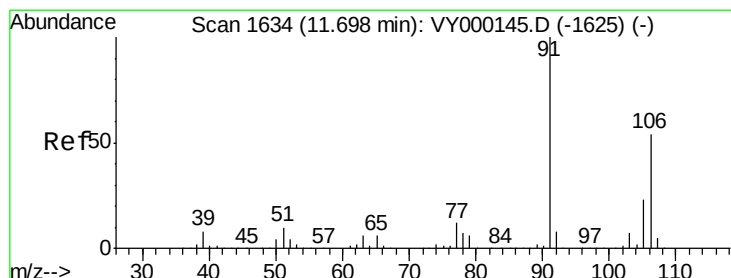
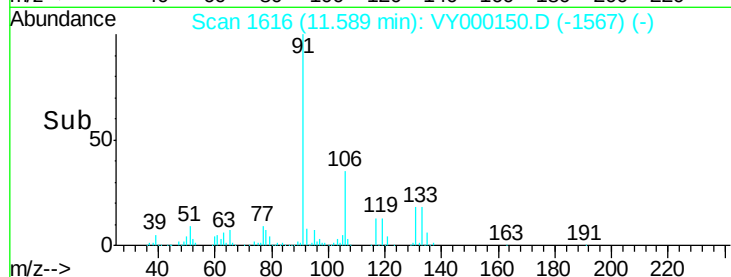
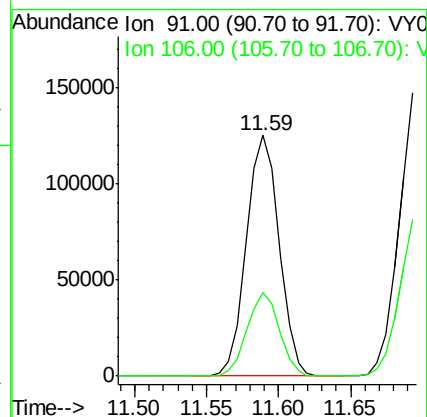
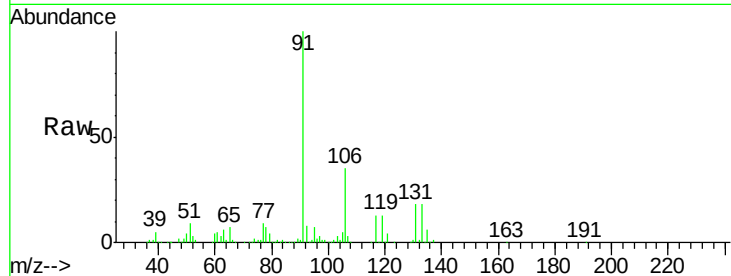
106 34.6 27.3 40.9

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#68

m/p-Xylenes

Concen: 38.622 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY000150.D

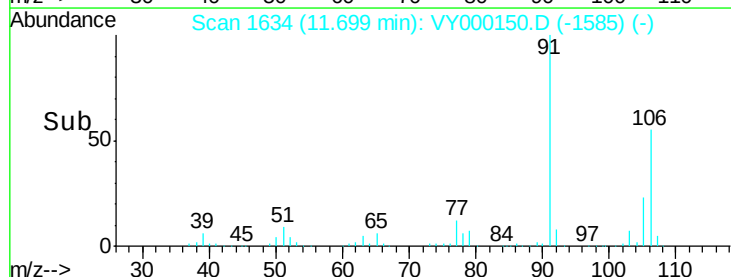
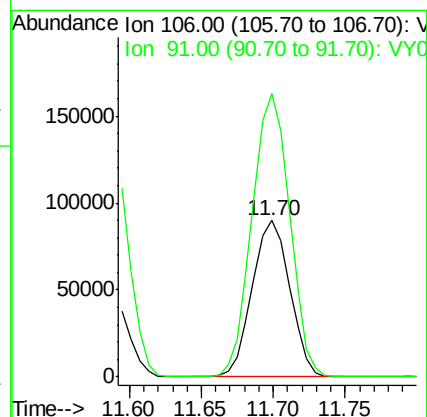
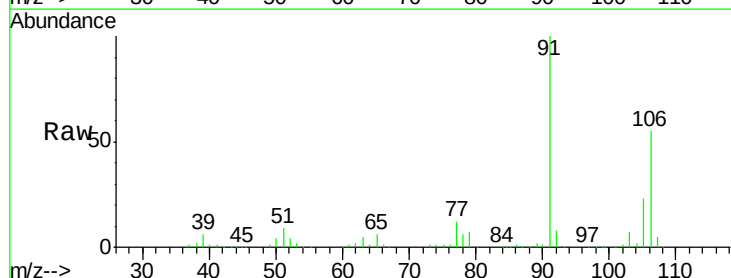
Acq: 26 Sep 2019 14:11

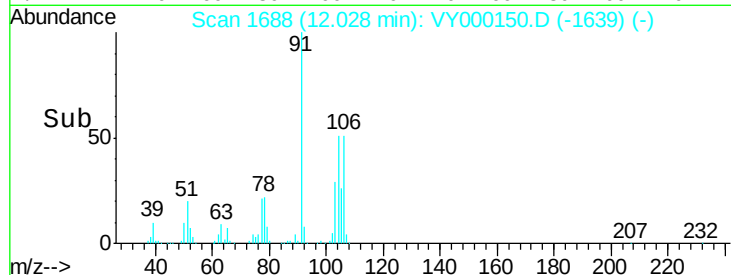
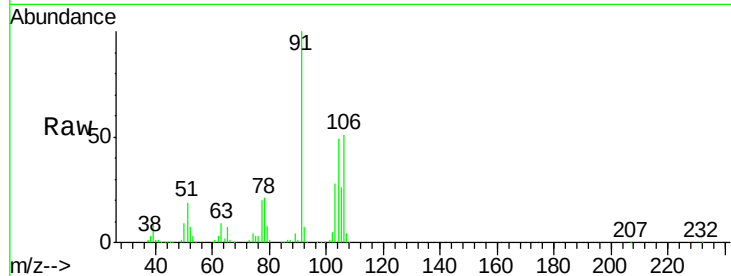
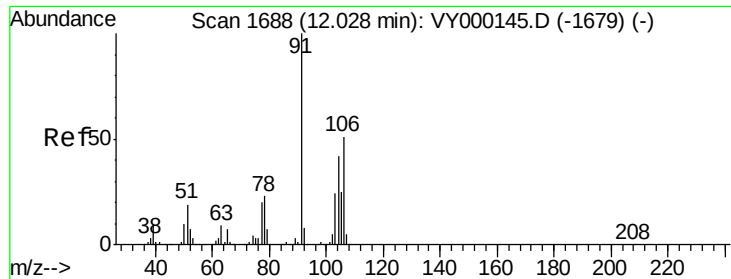
Tgt Ion: 106 Resp: 162564

Ion Ratio Lower Upper

106 100

91 181.1 148.6 223.0





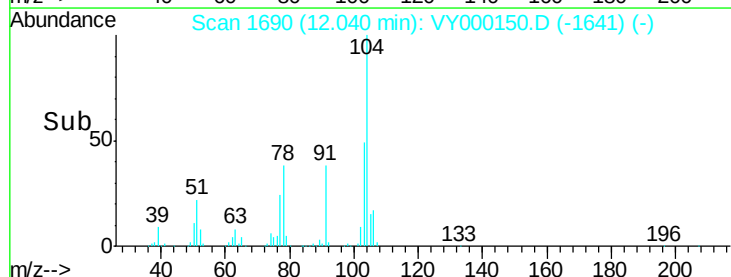
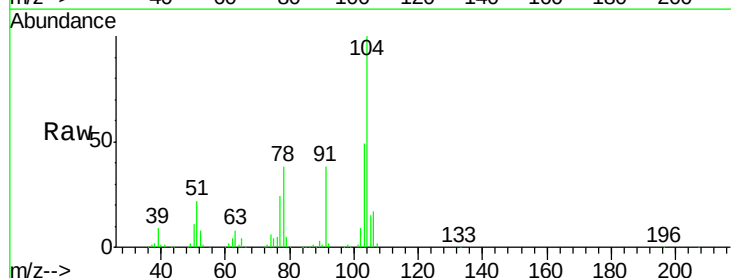
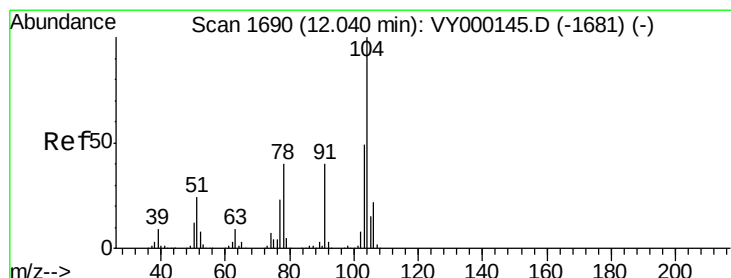
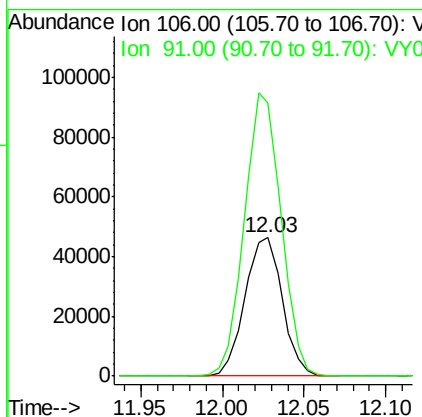
#69
o-Xylene
Concen: 18.470 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Tot Ion:106 Resp: 74143
Ion Ratio Lower Upper
106 100
91 201.2 98.0 293.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0926SBS01

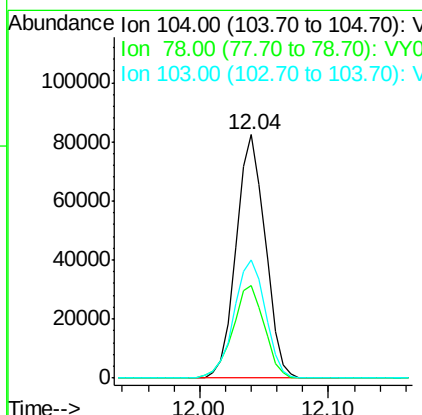
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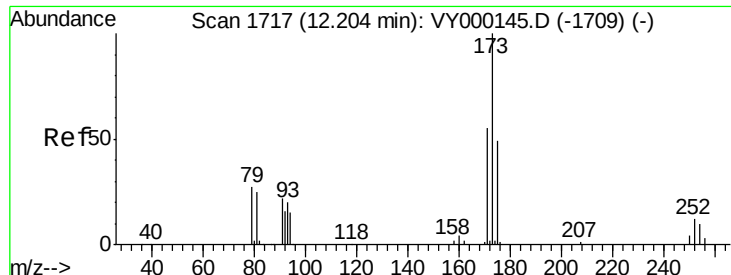
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#70
Styrene
Concen: 18.996 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Tgt Ion:104 Resp: 129055
Ion Ratio Lower Upper
104 100
78 41.3 34.7 52.1
103 52.5 41.6 62.4





#71

Bromoform

Concen: 19.074 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Instrument :

MSVOA_Y

ClientSampleId :

VY0926SBS01

Tot Ion:173 Resp: 23069

Ion Ratio Lower Upper

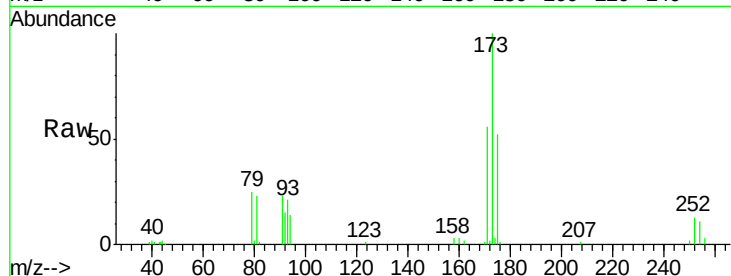
173 100

175 47.2 23.5 70.6

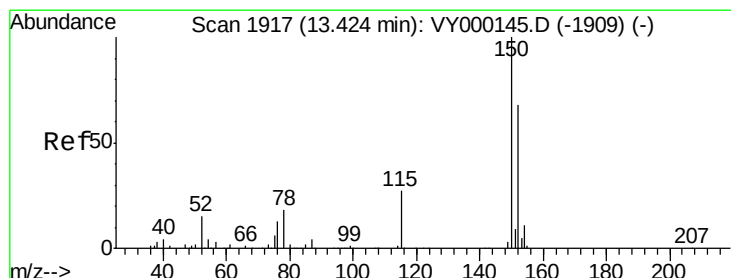
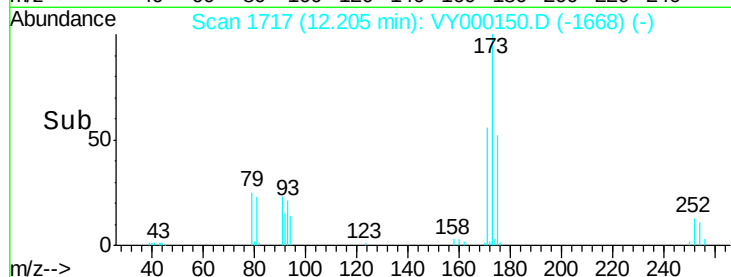
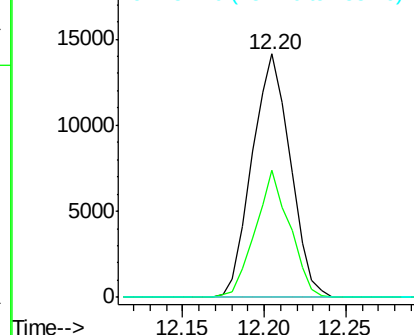
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

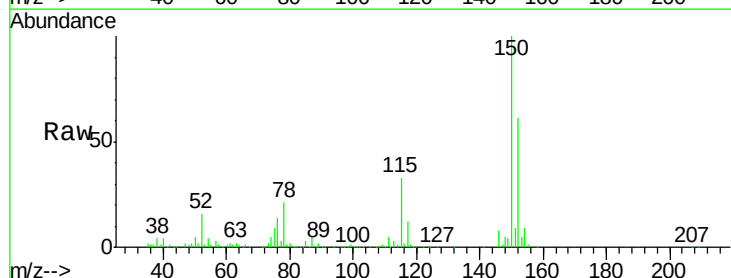
Tgt Ion:152 Resp: 140896

Ion Ratio Lower Upper

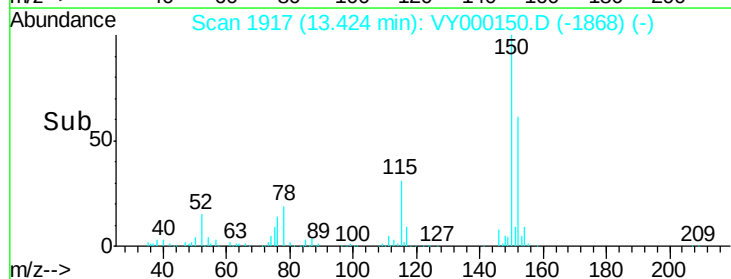
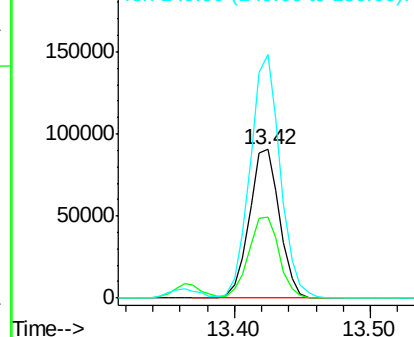
152 100

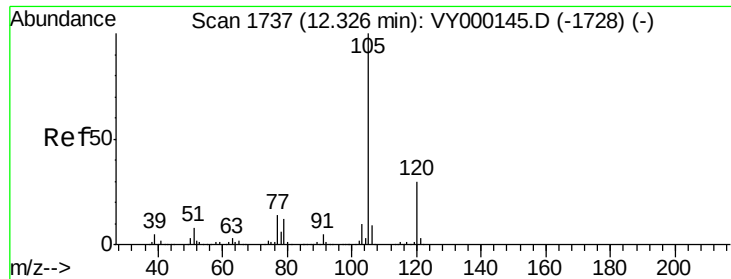
115 55.2 26.8 80.4

150 163.1 0.0 347.8



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





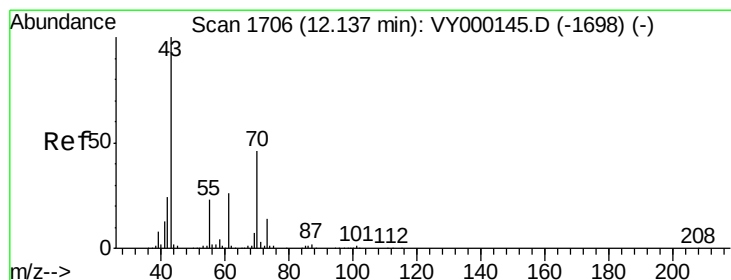
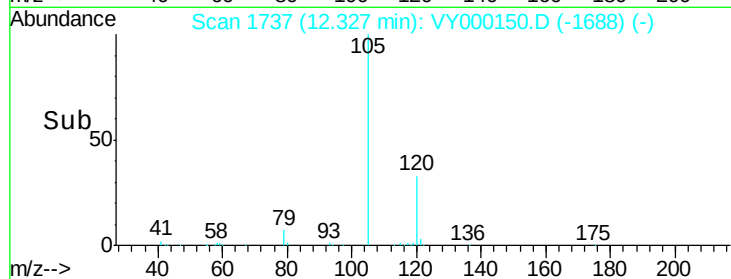
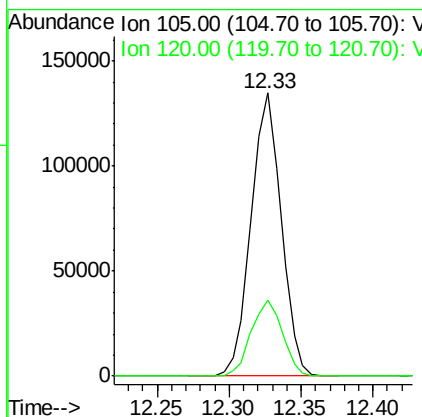
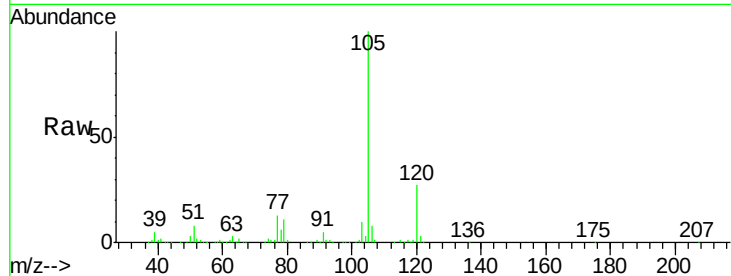
#73
Isopropylbenzene
Concen: 19.189 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0926SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.9	14.7	44.1

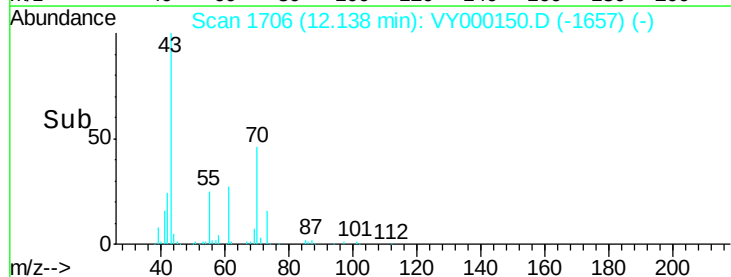
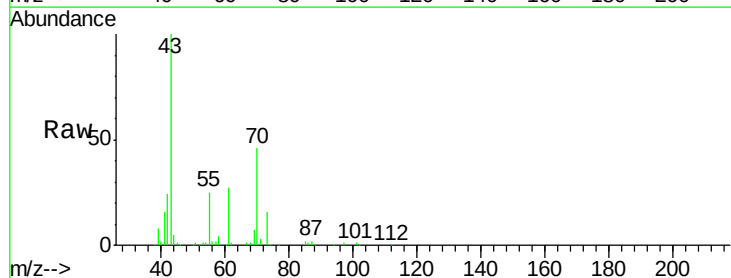
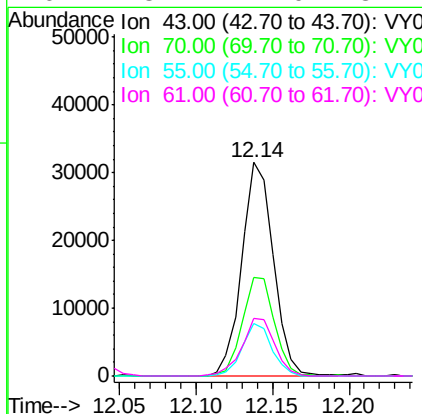
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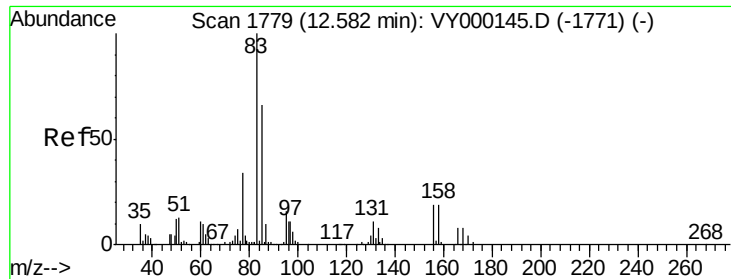
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#74
N-ethyl acetate
Concen: 18.393 ug/l
RT: 12.14 min Scan# 1706
Delta R.T. 0.00 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.0	37.3	55.9
55	23.3	18.6	27.8
61	28.1	21.0	31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.790 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Instrument :

MSVOA_Y

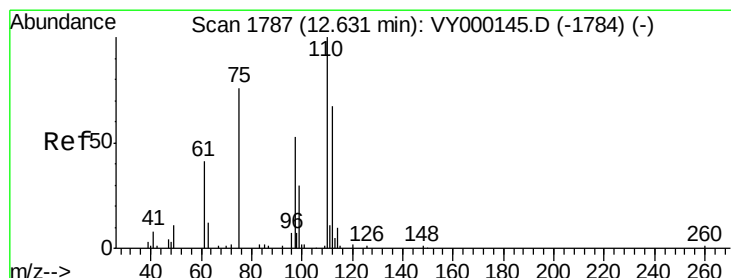
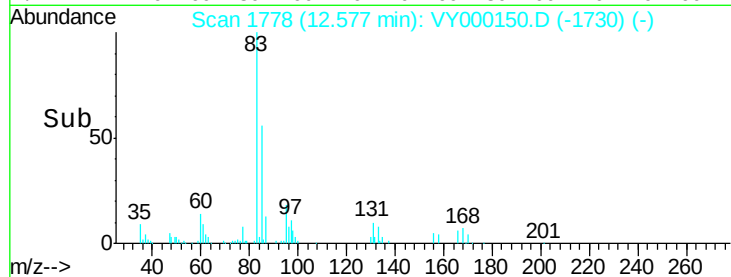
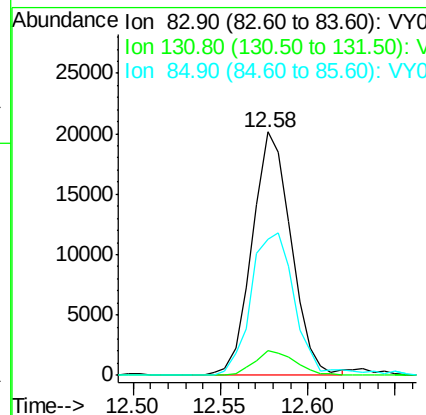
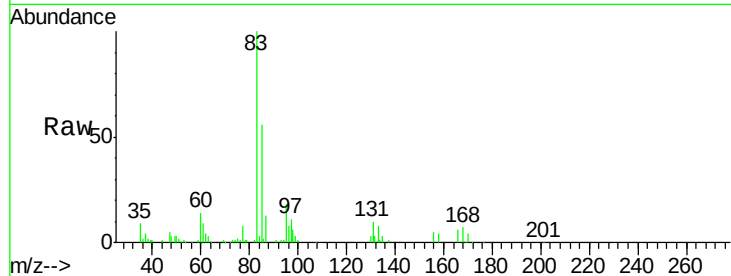
ClientSampleId :

VY0926SBS01

Tot Ion:	83	Resp:	31315
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	65.4	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 17.568 ug/l m

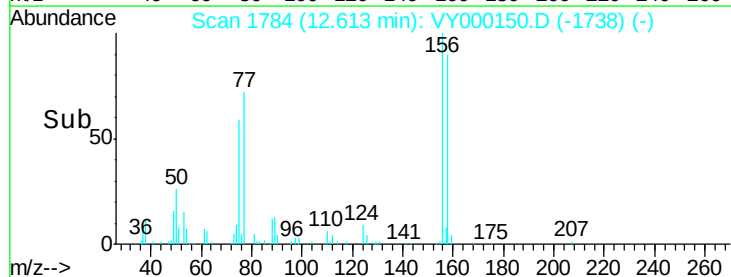
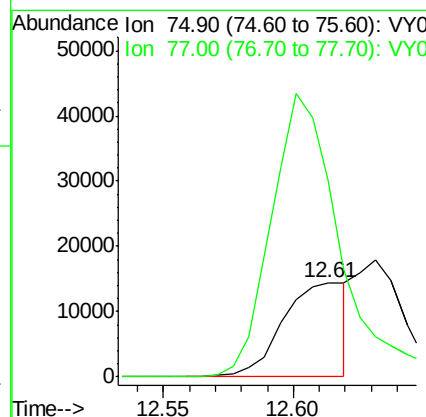
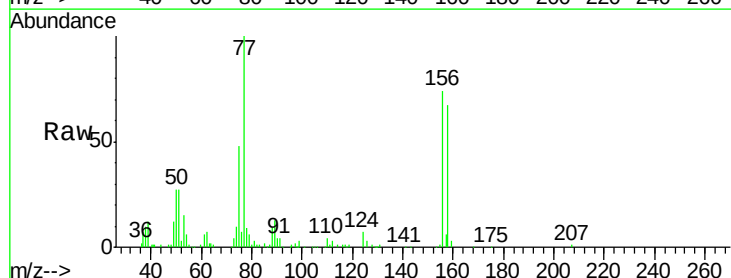
RT: 12.61 min Scan# 1784

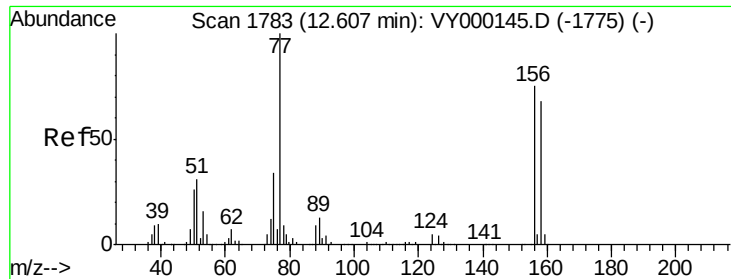
Delta R.T. -0.02 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Tgt Ion:	75	Resp:	24912
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





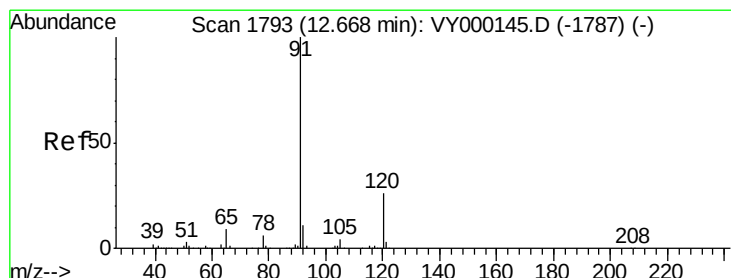
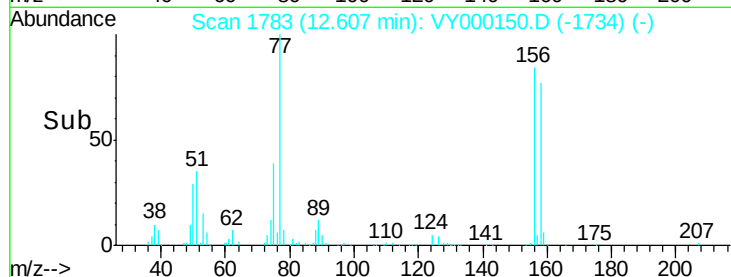
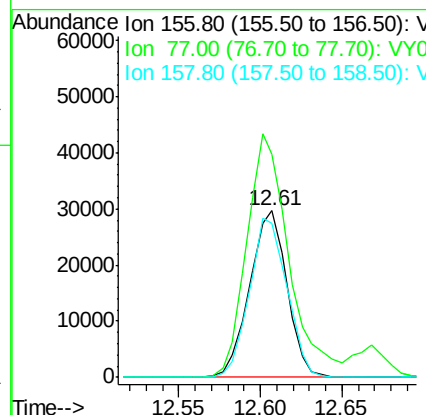
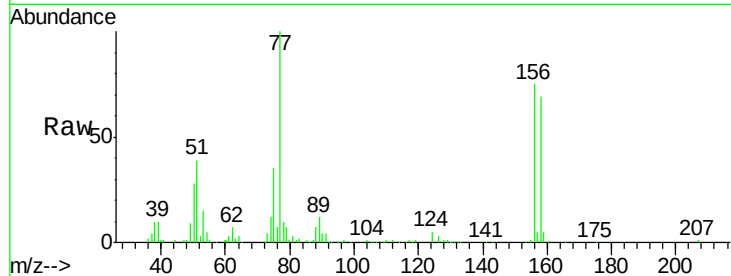
#77
Bromobenzene
Concen: 18.831 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0926SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		47291		
77	165.8	83.0	249.2		
158	96.0	47.4	142.2		

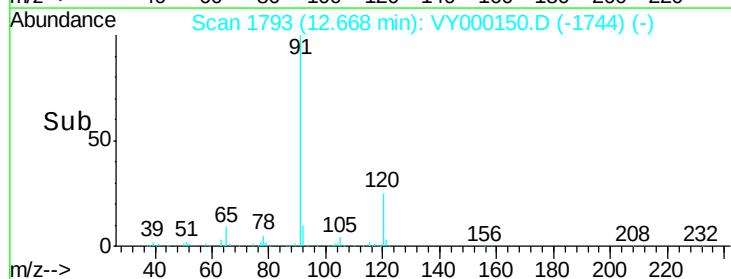
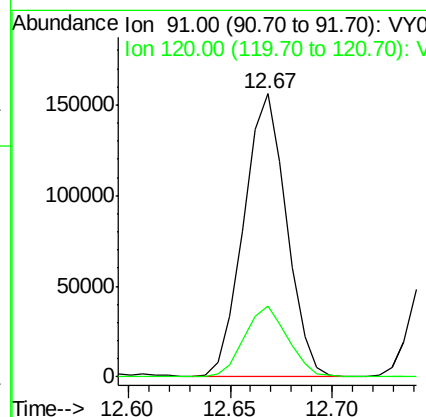
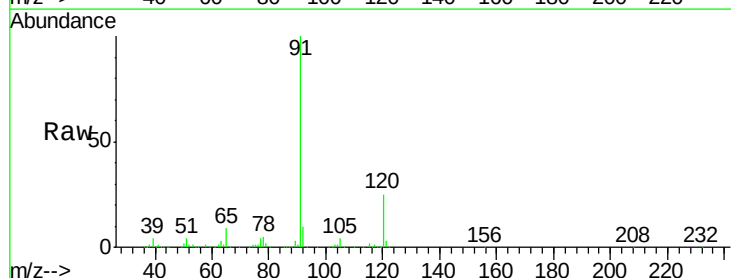
Manual Integrations
APPROVED

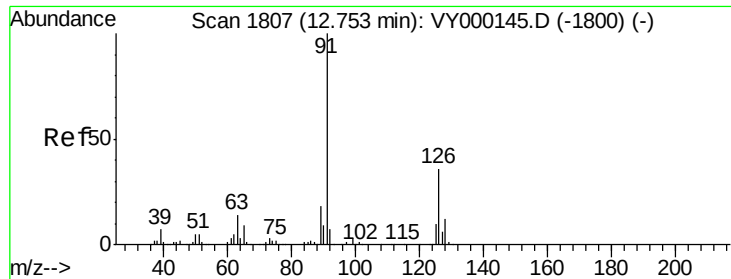
MMDadoda
10/2/2019 9:13:14 AM



#78
n-propylbenzene
Concen: 18.788 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		227679		
120	25.3	12.8	38.3		





#79

2-Chlorotoluene

Concen: 19.115 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Instrument :

MSVOA_Y

ClientSampleId :

VY0926SBS01

Tot Ion: 91 Resp: 126034

Ion Ratio Lower Upper

91 100

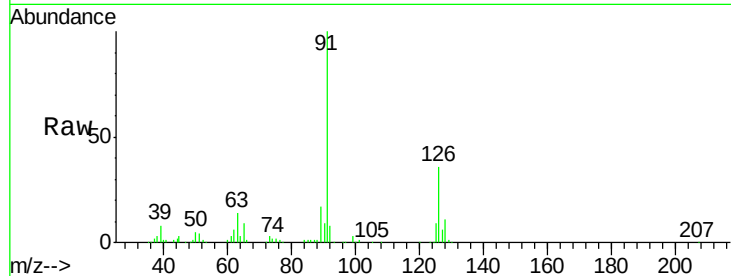
126 37.1 19.1 57.5

Manual Integrations

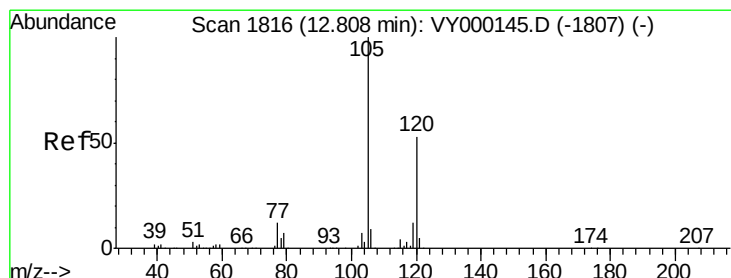
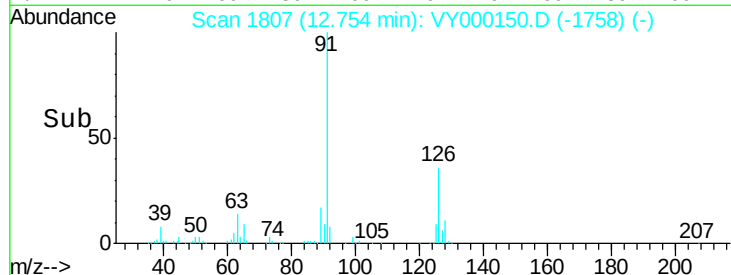
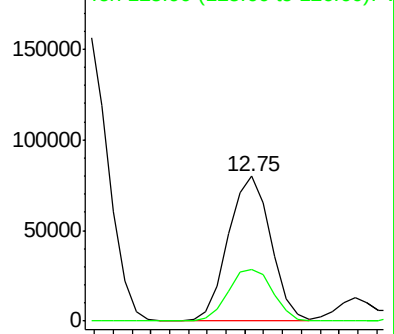
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Abundance Ion 91.00 (90.70 to 91.70): VY000145.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.874 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY000150.D

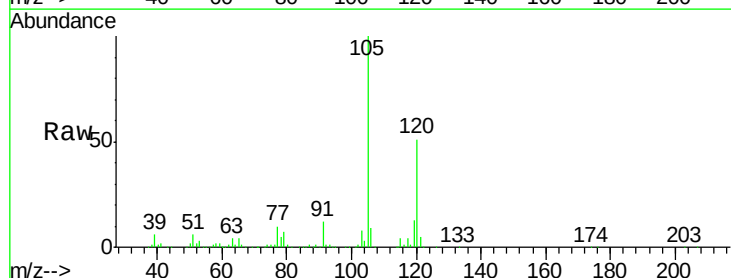
Acq: 26 Sep 2019 14:11

Tgt Ion: 105 Resp: 159601

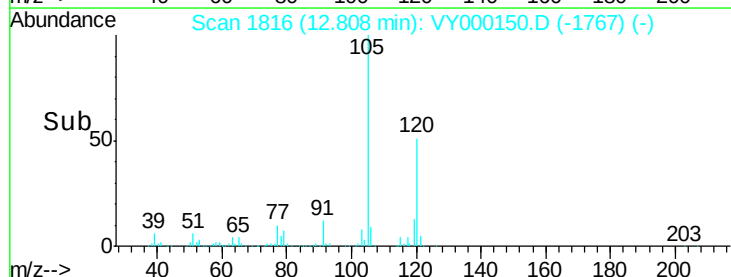
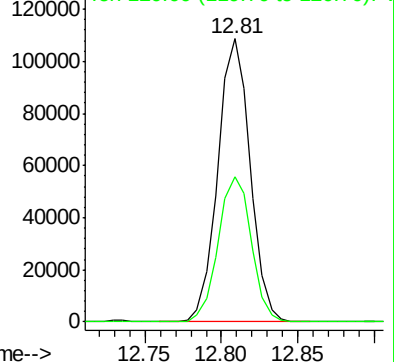
Ion Ratio Lower Upper

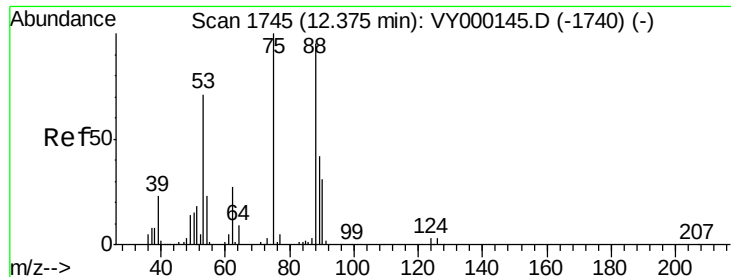
105 100

120 52.8 26.7 80.0



Abundance Ion 105.00 (104.70 to 105.70): VY000145.D (-1807) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.300 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Instrument :

MSVOA_Y

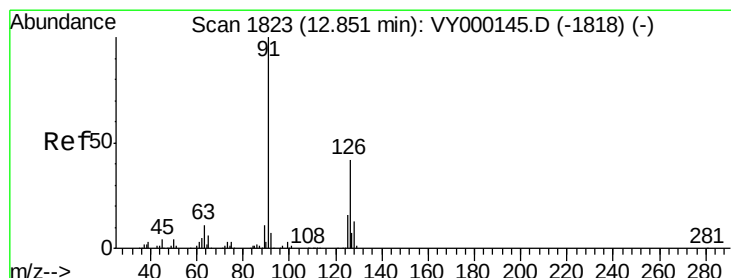
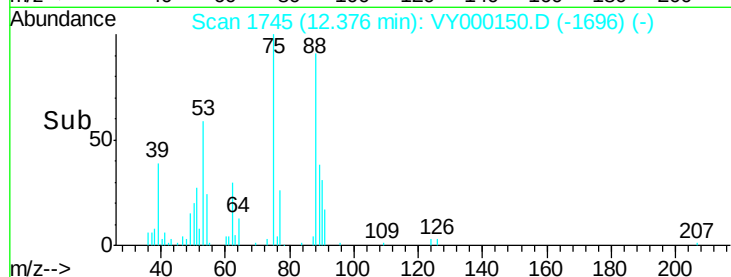
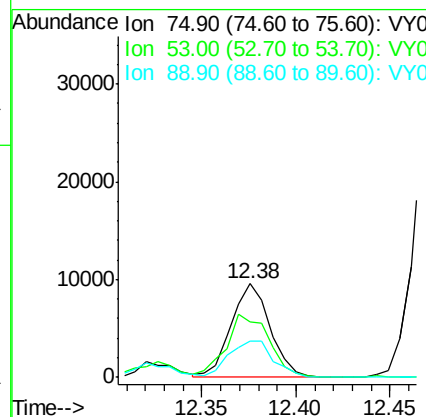
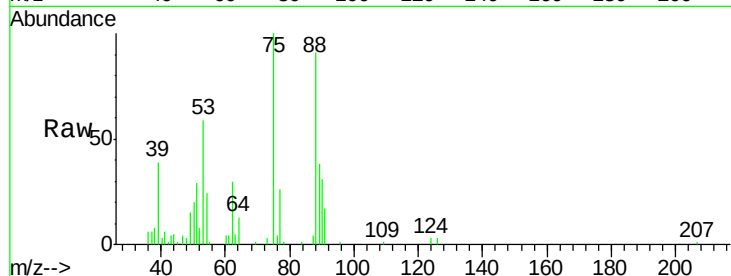
ClientSampleId :

VY0926SBS01

Tot Ion:	75	Resp:	13733
Ion	Ratio	Lower	Upper
75	100		
53	74.5	61.8	92.8
89	44.1	35.6	53.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.258 ug/l

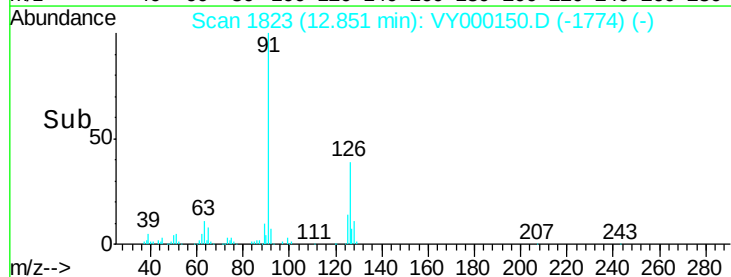
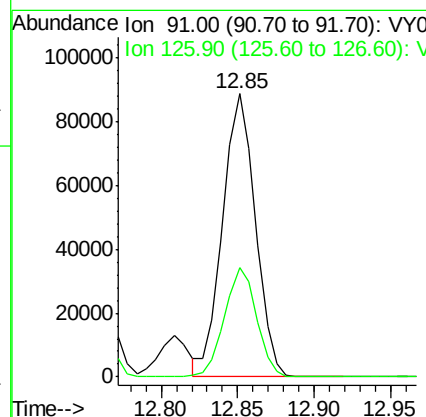
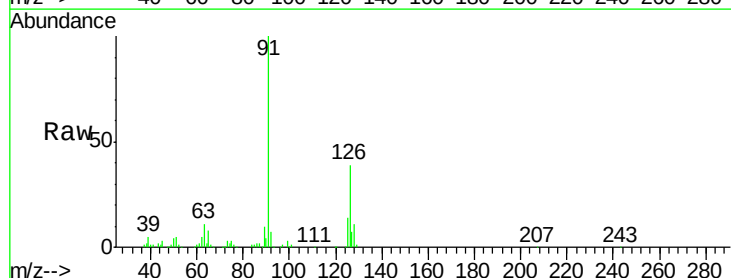
RT: 12.85 min Scan# 1823

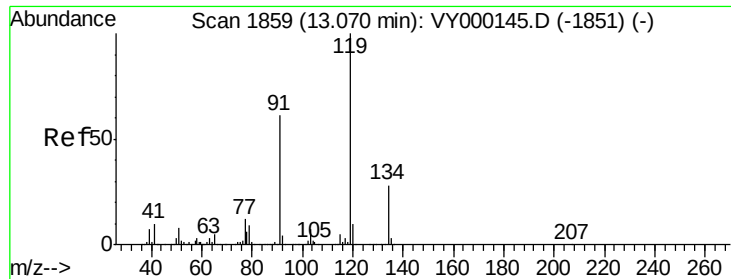
Delta R.T. 0.00 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Tgt Ion:	91	Resp:	132301
Ion	Ratio	Lower	Upper
91	100		
126	37.8	19.4	58.2





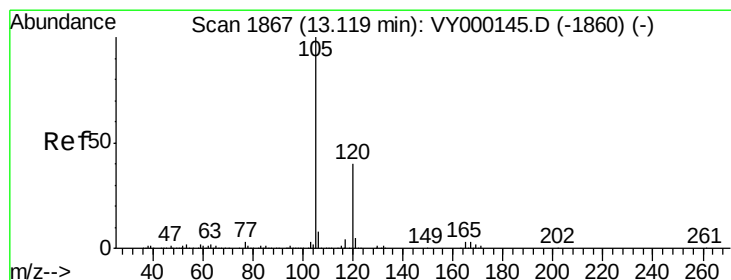
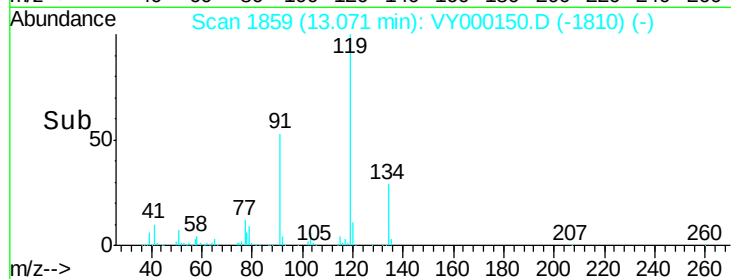
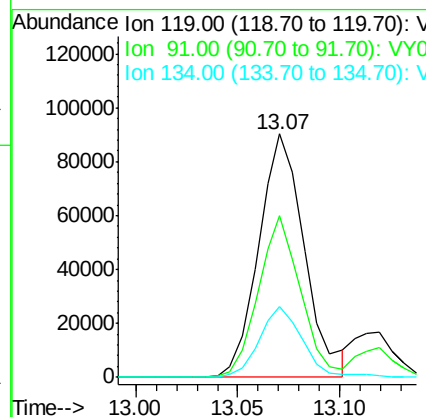
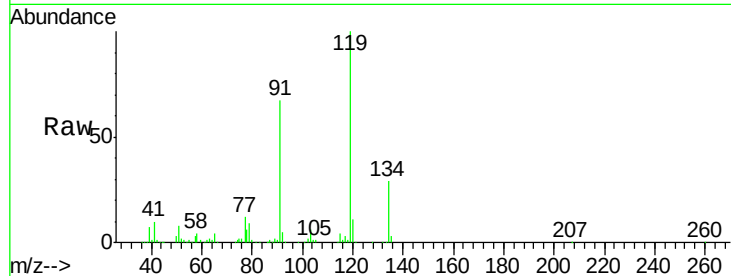
#83
 tert-Butylbenzene
 Concen: 19.287 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VY000150.D
 Acq: 26 Sep 2019 14:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0926SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	140448		
91	61.4	31.0	93.0	
134	27.7	14.0	41.9	

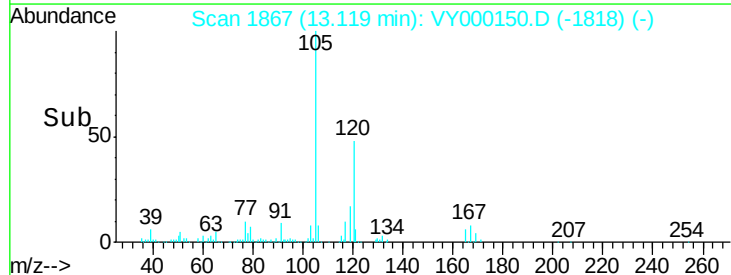
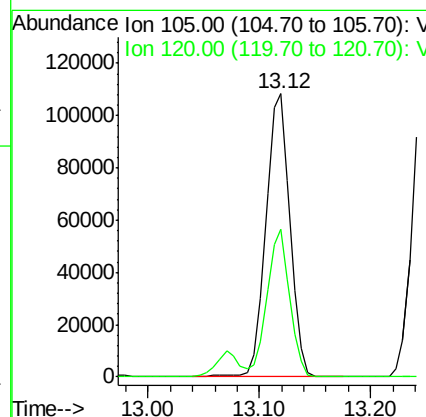
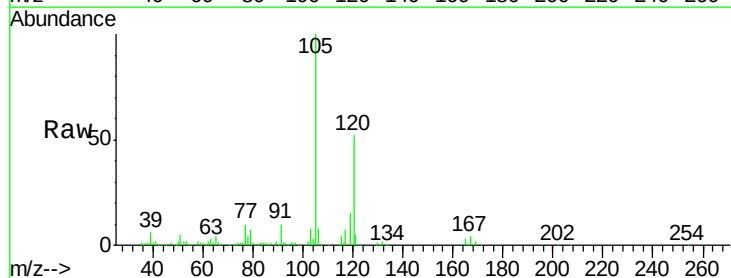
Manual Integrations
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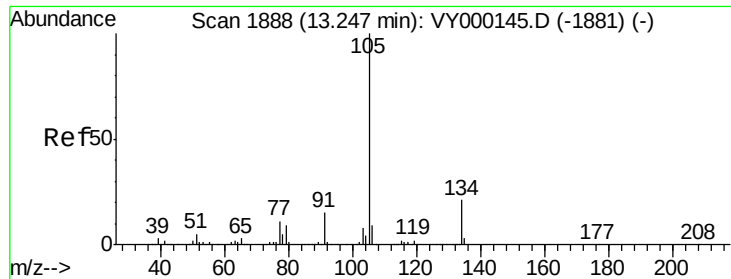
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.140 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY000150.D
 Acq: 26 Sep 2019 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	163564		
120	49.1	24.6	73.8	





#85

sec-Butylbenzene

Concen: 19.019 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Instrument :

MSVOA_Y

ClientSampleId :

VY0926SBS01

Tot Ion:105 Resp: 198850

Ion Ratio Lower Upper

105 100

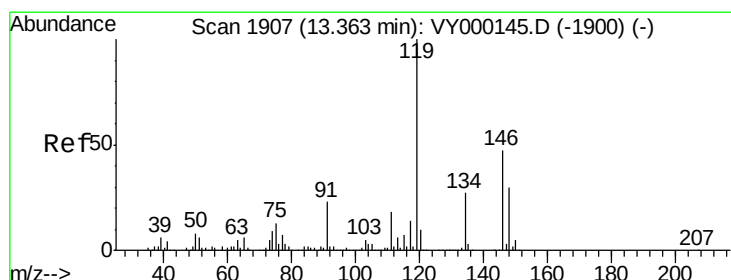
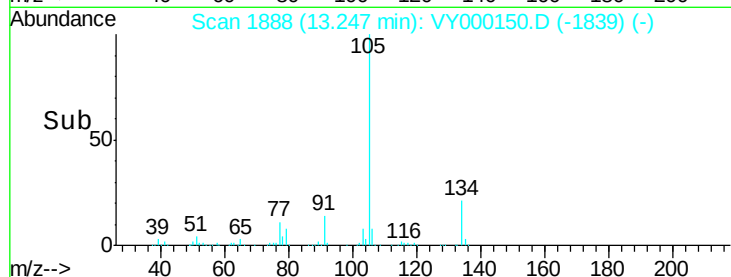
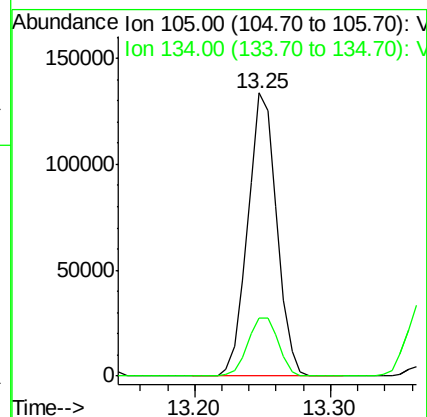
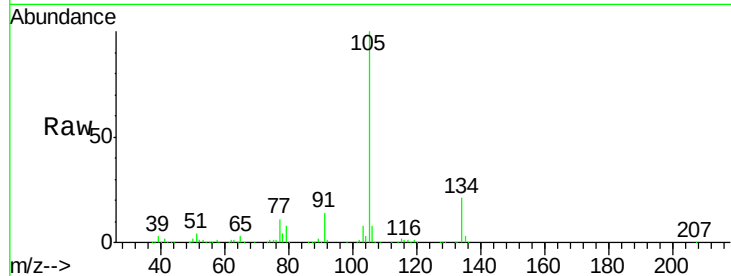
134 21.8 10.9 32.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.034 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

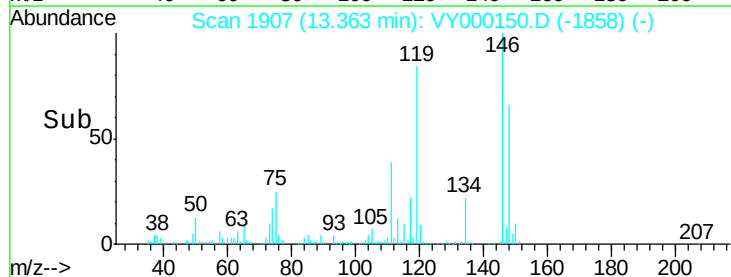
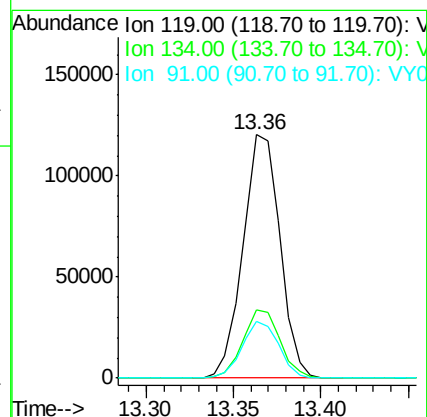
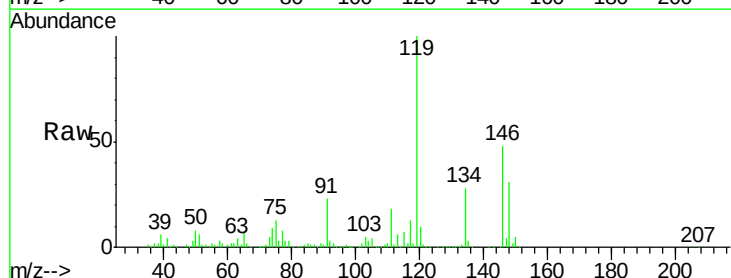
Tgt Ion:119 Resp: 177215

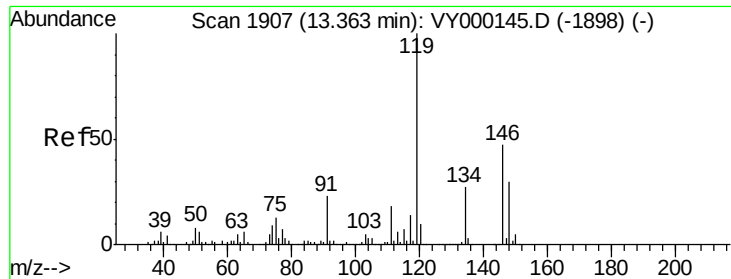
Ion Ratio Lower Upper

119 100

134 28.1 14.3 42.9

91 23.2 11.4 34.1





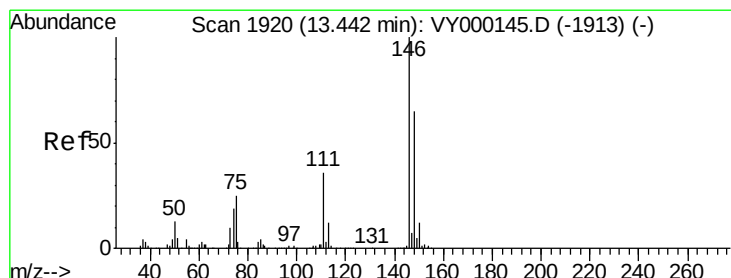
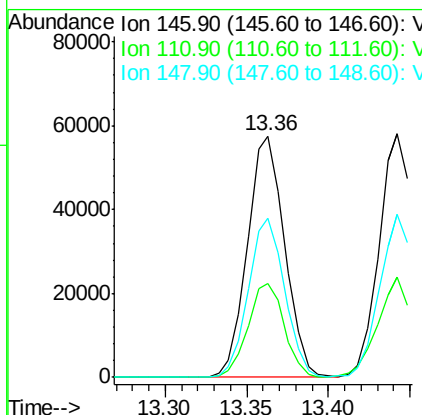
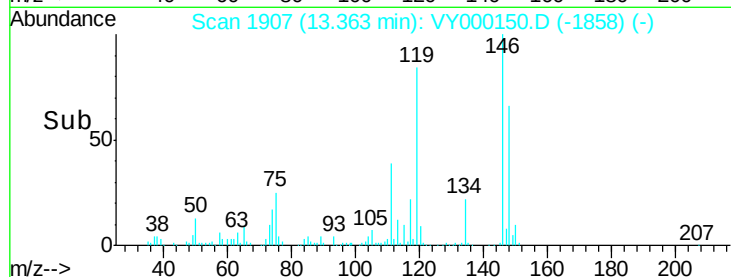
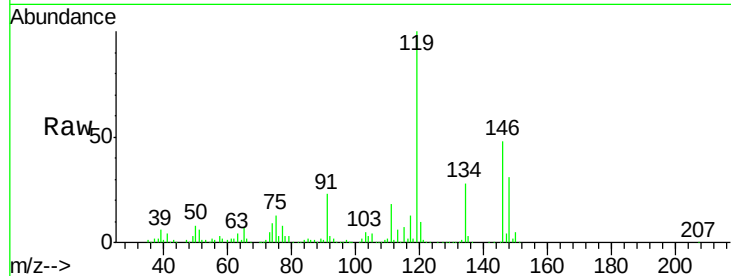
#87
 1,3-Dichlorobenzene
 Concen: 18.987 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY000150.D
 Acq: 26 Sep 2019 14:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0926SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.0	57.0
148	64.4	31.6	94.8

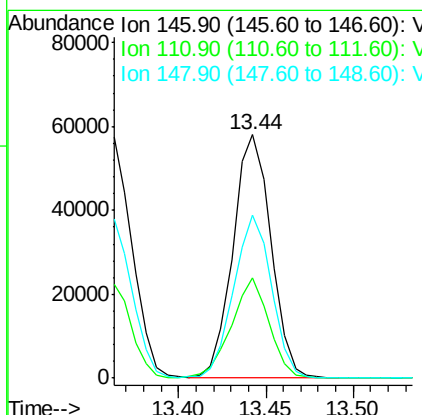
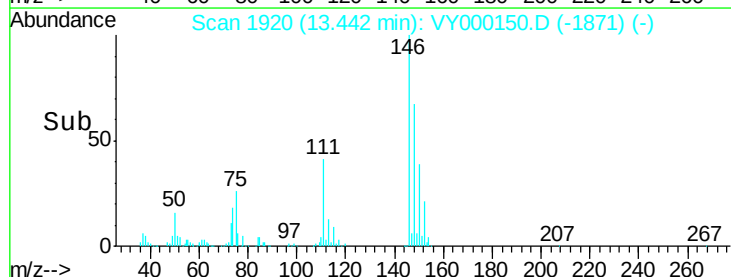
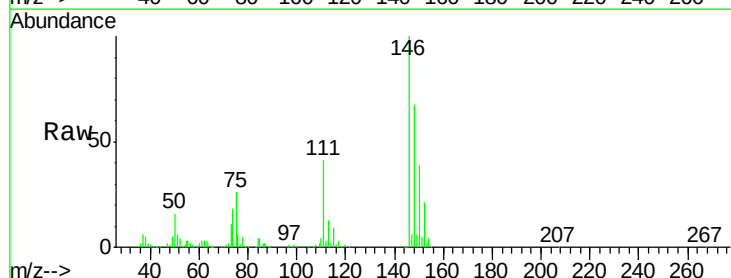
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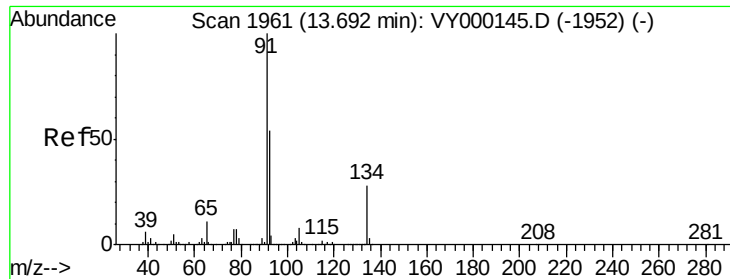
MMDadoda
 10/2/2019 9:13:14 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.331 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000150.D
 Acq: 26 Sep 2019 14:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	18.3	54.9
148	66.8	31.9	95.7





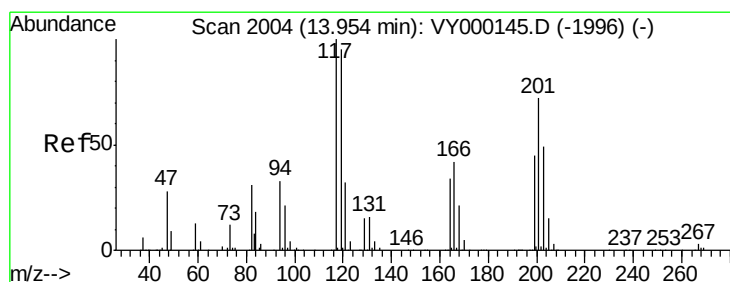
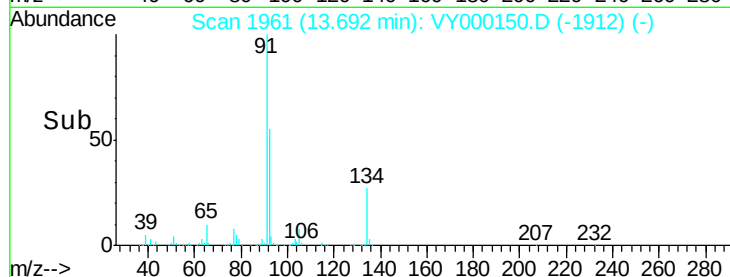
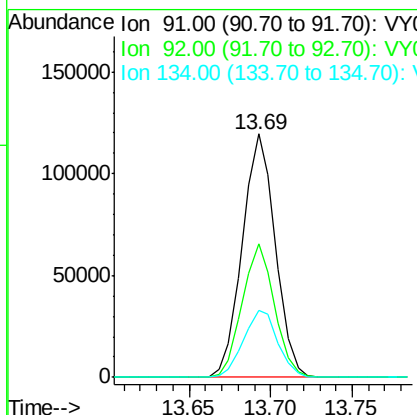
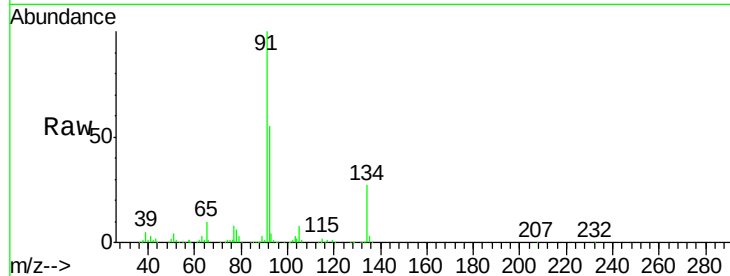
#89
n-Butylbenzene
Concen: 19.020 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0926SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	168290		
92	53.7		26.8	80.4
134	28.5		14.4	43.2

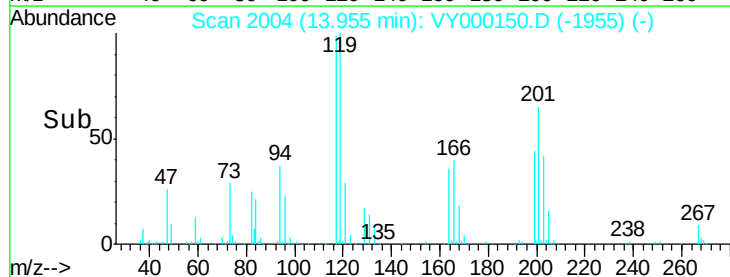
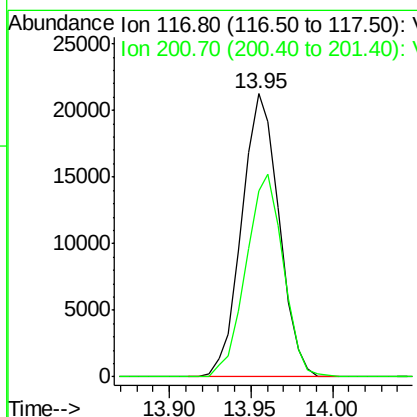
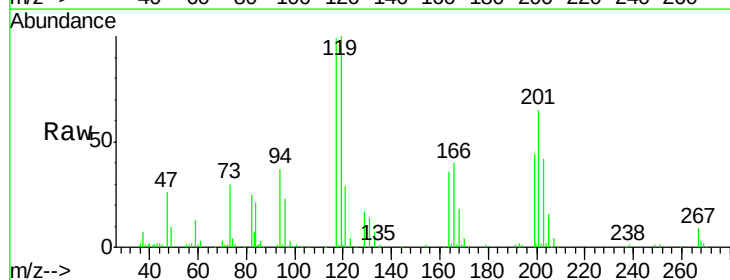
Manual Integrations
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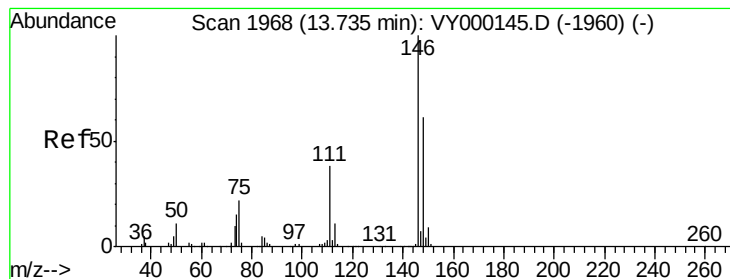
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#90
Hexachloroethane
Concen: 19.250 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	33860		
201	71.9		38.6	115.8





#91

1,2-Dichlorobenzene

Concen: 19.005 ug/l

RT: 13.74 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VY000150.D

Acq: 26 Sep 2019 14:11

Instrument :

MSVOA_Y

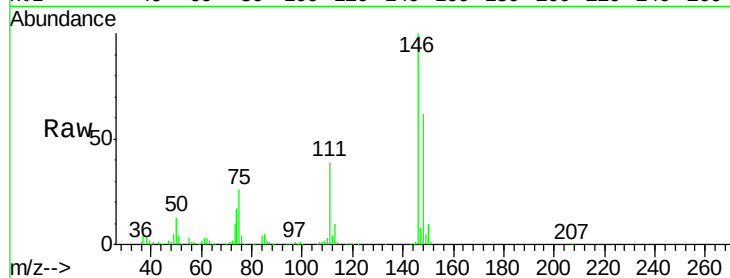
ClientSampleId :

VY0926SBS01

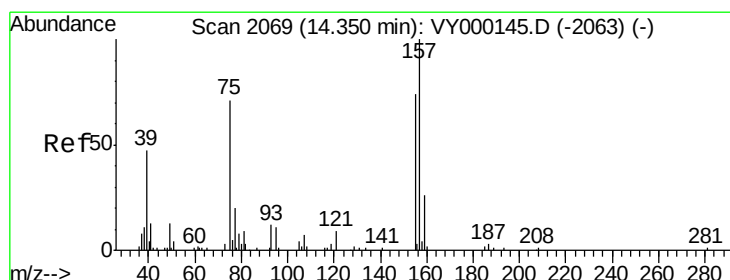
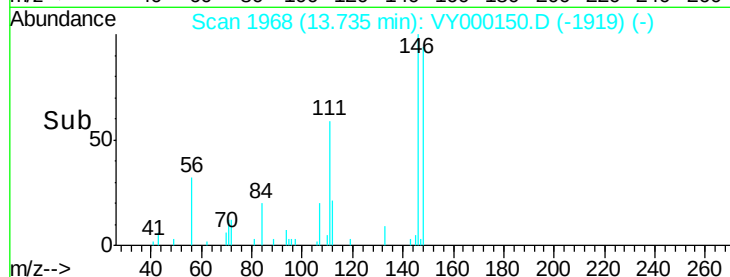
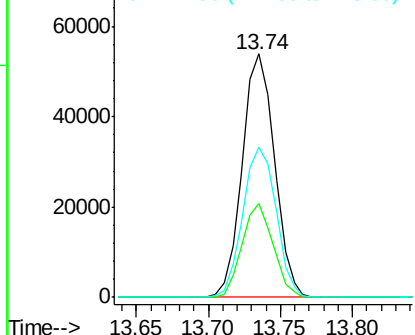
Tot Ion:	146	Resp:	83552
Ion Ratio	Lower	Upper	
146	100		
111	37.1	19.2	57.6
148	63.6	31.9	95.7

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.494 ug/l

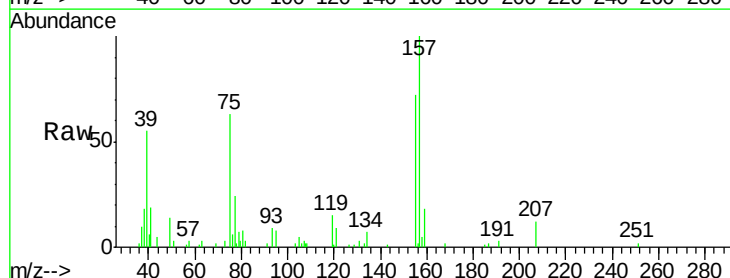
RT: 14.35 min Scan# 2069

Delta R.T. 0.00 min

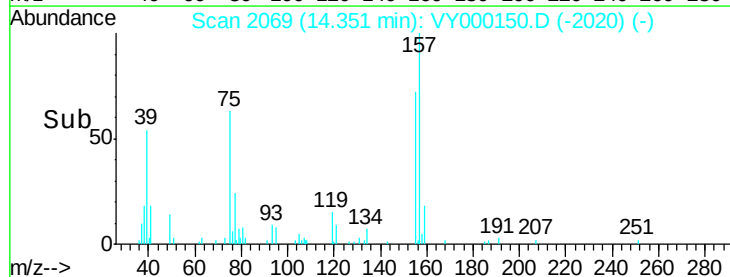
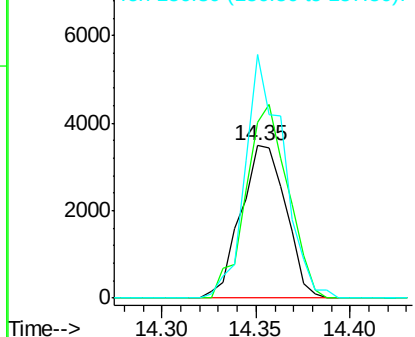
Lab File: VY000150.D

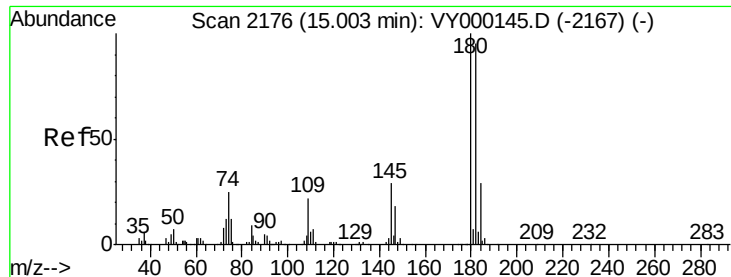
Acq: 26 Sep 2019 14:11

Tgt Ion:	75	Resp:	5774
Ion Ratio	Lower	Upper	
75	100		
155	119.5	51.3	153.9
157	136.2	67.3	201.8



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





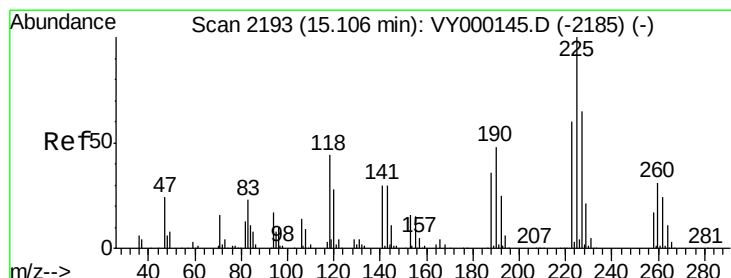
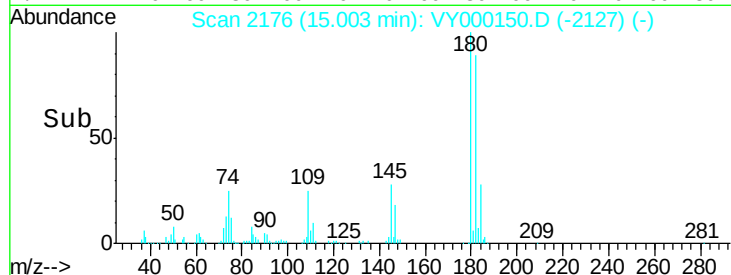
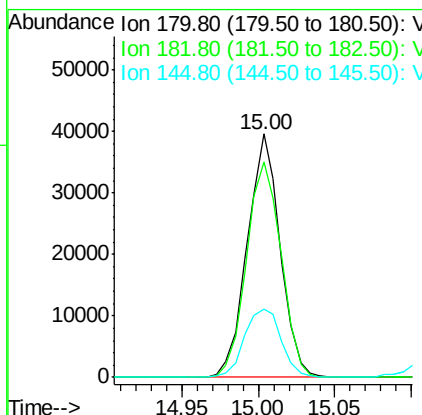
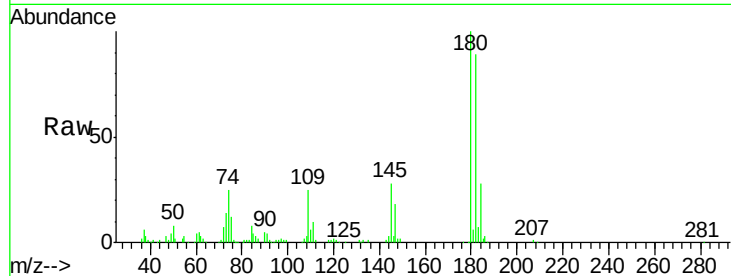
#93
 1,2,4-Trichlorobenzene
 Concen: 19.346 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000150.D
 Acq: 26 Sep 2019 14:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0926SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	59011		
182	93.1	47.0	141.2	
145	31.3	14.6	44.0	

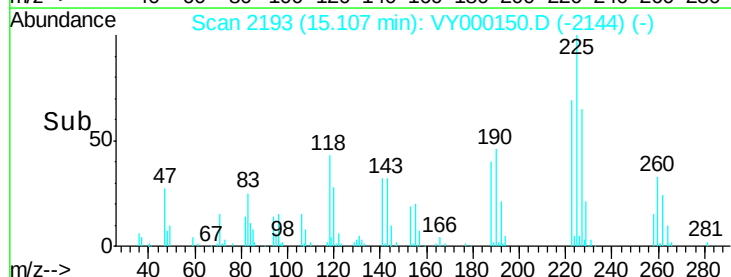
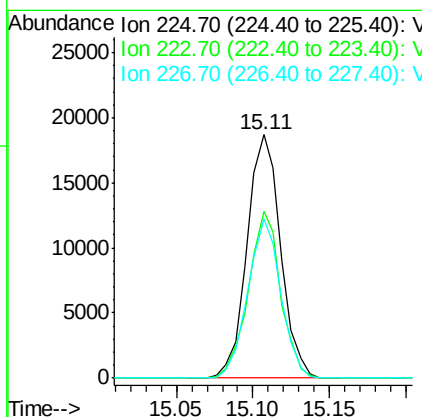
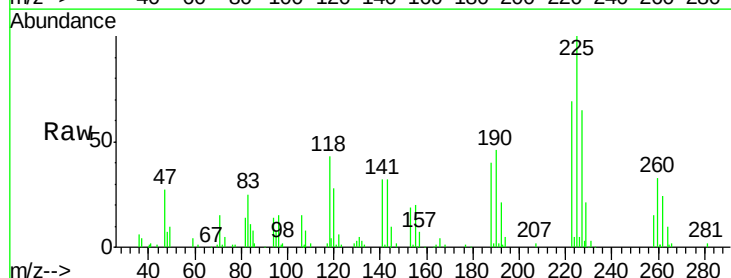
Manual Integrations
 APPROVED

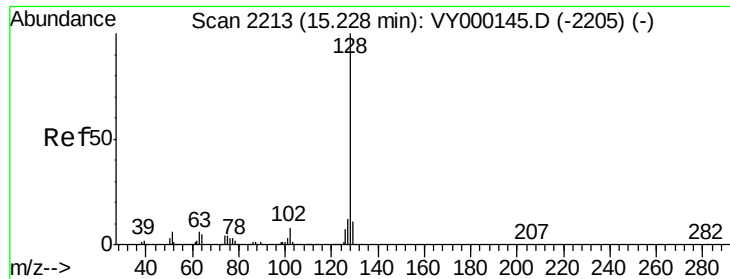
MMDadoda
 10/2/2019 9:13:14 AM



#94
 Hexachlorobutadiene
 Concen: 19.125 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY000150.D
 Acq: 26 Sep 2019 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	28463		
223	66.0	31.5	94.5	
227	63.9	32.4	97.0	





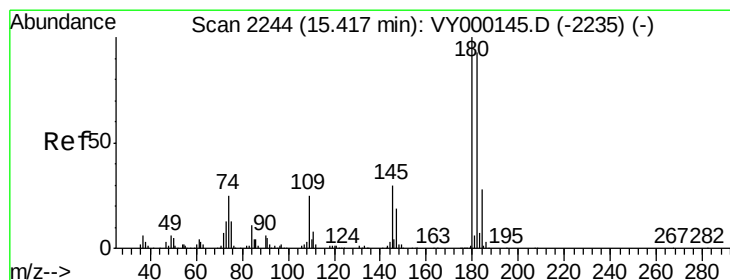
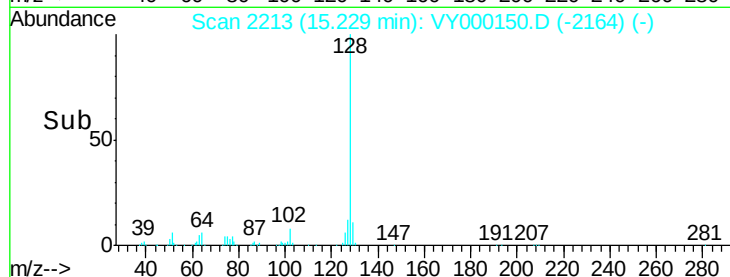
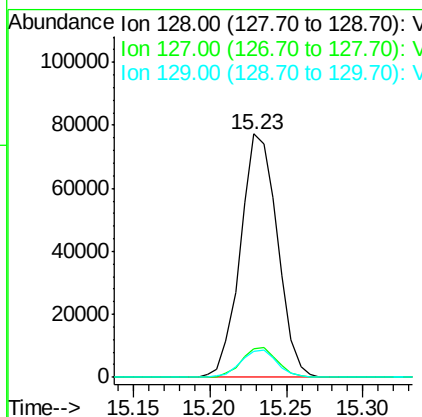
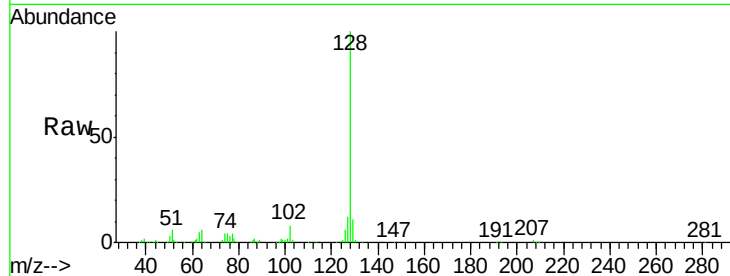
#95
Naphthalene
Concen: 18.995 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0926SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	129741		
127	11.9		9.5	14.3
129	11.0		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:13:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.961 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VY000150.D
Acq: 26 Sep 2019 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	51871		
182	93.7		46.6	139.7
145	32.1		15.4	46.4

