

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030520\
 Data File : VY001871.D
 Acq On : 05 Mar 2020 11:16
 Operator : SY/MD
 Sample : VY0305SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0305SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:16:49 AM

Quant Time: Mar 06 04:53:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	178132	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	318208	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	289787	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.42	152	135538	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	95392	50.16	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.32%	
35) Dibromofluoromethane	7.74	113	88400	50.88	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	10.19	98	374105	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.49	95	129432	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	30275	18.412 ug/l	96
3) Chloromethane	2.12	50	43527	19.634 ug/l	100
4) Vinyl Chloride	2.26	62	41492	18.400 ug/l	96
5) Bromomethane	2.65	94	28705	18.056 ug/l	95
6) Chloroethane	2.80	64	26923	19.007 ug/l	97
7) Trichlorofluoromethane	3.13	101	57454	18.787 ug/l	95
8) Diethyl Ether	3.54	74	23142	19.200 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.92	101	36902	18.761 ug/l	99
10) Methyl Iodide	4.10	142	40626	17.860 ug/l	98
11) Tert butyl alcohol	4.98	59	17942	74.842 ug/l	97
12) 1,1-Dichloroethene	3.88	96	37792	19.082 ug/l	97
13) Acrolein	3.75	56	27161	101.639 ug/l	97
14) Allyl chloride	4.49	41	66725	19.004 ug/l	99
15) Acrylonitrile	5.19	53	61672	95.753 ug/l	99
16) Acetone	3.96	43	50760	91.644 ug/l	100
17) Carbon Disulfide	4.21	76	122718	18.432 ug/l	100
18) Methyl Acetate	4.49	43	28456	19.995 ug/l	96
19) Methyl tert-butyl Ether	5.24	73	103601	19.303 ug/l	97
20) Methylene Chloride	4.74	84	46528	19.600 ug/l	96
21) trans-1,2-Dichloroethene	5.24	96	42146	18.749 ug/l	97
22) Diisopropyl ether	6.14	45	140845	19.570 ug/l	94
23) Vinyl Acetate	6.08	43	452805	95.971 ug/l	98
24) 1,1-Dichloroethane	6.04	63	73914	18.965 ug/l	98
25) 2-Butanone	7.00	43	79276	94.118 ug/l	96
26) 2,2-Dichloropropane	7.00	77	59766	18.683 ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	46491	19.013 ug/l	99
28) Bromochloromethane	7.35	49	35109	19.985 ug/l	99
29) Tetrahydrofuran	7.36	42	53469	95.592 ug/l	99
30) Chloroform	7.52	83	70305	19.200 ug/l	100
31) Cyclohexane	7.80	56	77258	18.488 ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	58726	19.028 ug/l	97
36) 1,1-Dichloropropene	7.93	75	57801	18.876 ug/l	98
37) Ethyl Acetate	7.09	43	34306	19.276 ug/l	99
38) Carbon Tetrachloride	7.91	117	49434	18.898 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	77121	18.989	ug/l	96
40) Benzene	8.17	78	174386	19.214	ug/l	98
41) Methacrylonitrile	7.33	41	16051m	20.040	ug/l	
42) 1,2-Dichloroethane	8.25	62	45756	19.564	ug/l	99
43) Isopropyl Acetate	8.28	43	65557	19.456	ug/l	99
44) Trichloroethene	8.95	130	41404	18.731	ug/l	99
45) 1,2-Dichloropropane	9.22	63	44283	19.409	ug/l	94
46) Dibromomethane	9.32	93	22864	19.446	ug/l	99
47) Bromodichloromethane	9.50	83	52806	19.307	ug/l	99
48) Methyl methacrylate	9.30	41	30161	20.173	ug/l	99
49) 1,4-Dioxane	9.31	88	6615	410.595	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	167831	96.703	ug/l	100
52) Toluene	10.25	92	107731	19.539	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	58134	19.510	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	67591	19.054	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	32731	19.022	ug/l	97
56) Ethyl methacrylate	10.51	69	48936	19.403	ug/l	96
57) 1,3-Dichloropropane	10.80	76	58893	19.201	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	133183	136.456	ug/l	100
59) 2-Hexanone	10.83	43	120265	97.086	ug/l	100
60) Dibromochloromethane	10.99	129	34549	19.055	ug/l	99
61) 1,2-Dibromoethane	11.09	107	31195	19.139	ug/l	98
64) Tetrachloroethene	10.72	164	35054	19.289	ug/l	91
65) Chlorobenzene	11.52	112	108679	18.822	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	35392	18.691	ug/l	99
67) Ethyl Benzene	11.60	91	203688	18.915	ug/l	98
68) m/p-Xylenes	11.70	106	153386	38.527	ug/l	99
69) o-Xylene	12.03	106	71702	19.108	ug/l	97
70) Styrene	12.05	104	123375	19.196	ug/l	99
71) Bromoform	12.21	173	19164	18.662	ug/l #	99
73) Isopropylbenzene	12.33	105	190992	18.459	ug/l	99
74) N-amyl acetate	12.14	43	60719	19.094	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	42673	19.125	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	31289m	19.455	ug/l	
77) Bromobenzene	12.61	156	41446	18.907	ug/l	100
78) n-propylbenzene	12.67	91	235998	18.488	ug/l	99
79) 2-Chlorotoluene	12.76	91	131900	18.703	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	159164	18.686	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	14258	17.908	ug/l	93
82) 4-Chlorotoluene	12.86	91	137726	18.757	ug/l	99
83) tert-Butylbenzene	13.08	119	131298	18.559	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	160642	19.004	ug/l	99
85) sec-Butylbenzene	13.25	105	194965	18.696	ug/l	100
86) p-Isopropyltoluene	13.37	119	170700	18.976	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	81935	19.074	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	82390	18.906	ug/l	99
89) n-Butylbenzene	13.70	91	176657	18.929	ug/l	99
90) Hexachloroethane	13.96	117	30168	17.777	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	73967	18.953	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6345	18.224	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	48492	19.160	ug/l	98
94) Hexachlorobutadiene	15.11	225	23512	19.055	ug/l	99
95) Naphthalene	15.24	128	112731	18.779	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	43232	19.391	ug/l	98

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

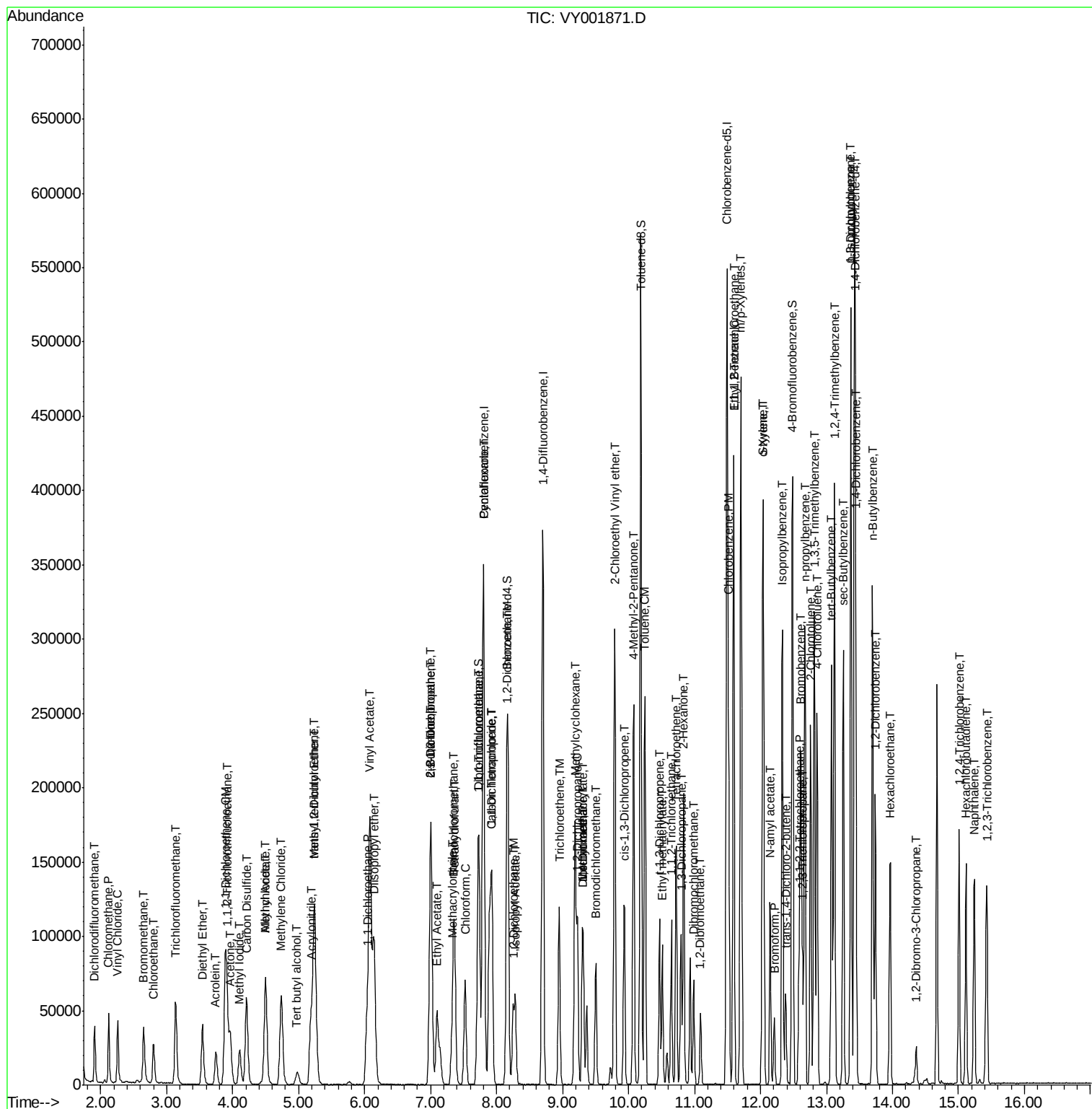
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030520\
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Operator : SY/MD
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0305SBS01

Tot Ion:168 Resp: 178132

Ion Ratio Lower Upper

168 100

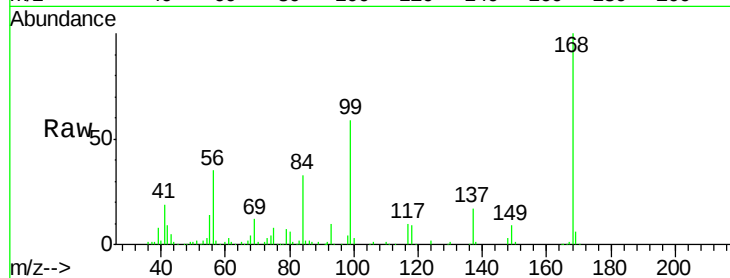
99 59.0 46.7 70.1

Manual Integrations

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3/6/2020 11:16:49 AM



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

80000

60000

40000

20000

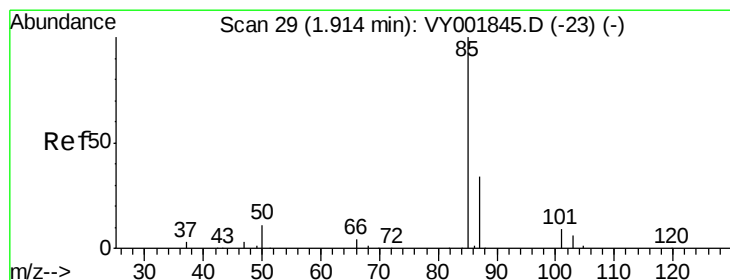
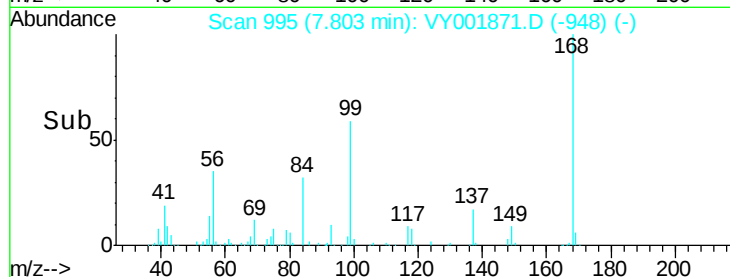
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.412 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001871.D

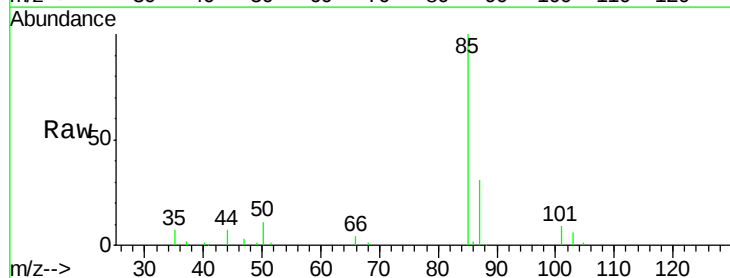
Acq: 05 Mar 2020 11:16

Tgt Ion: 85 Resp: 30275

Ion Ratio Lower Upper

85 100

87 31.3 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

25000

20000

15000

10000

5000

0

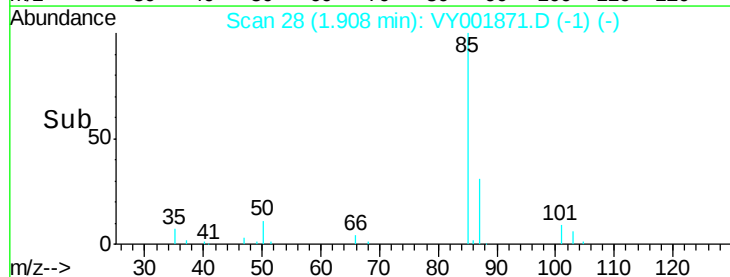
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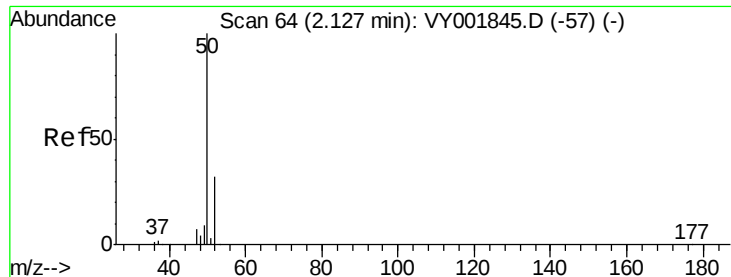
1.90

1.95

2.00

Time-->





#3

Chloromethane

Concen: 19.634 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0305SBS01

Tot Ion: 50 Resp: 43527

Ion Ratio Lower Upper

50 100

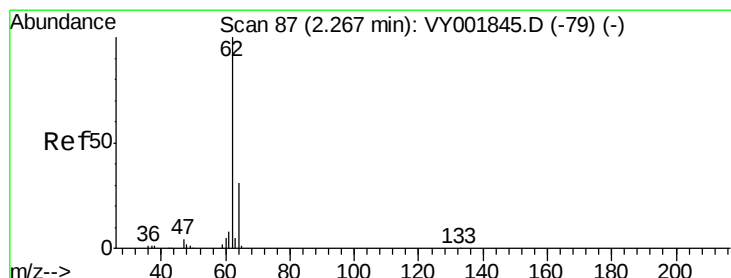
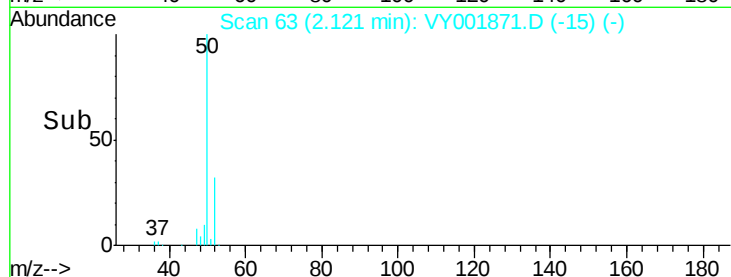
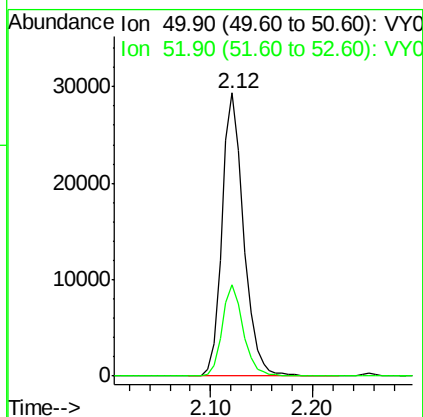
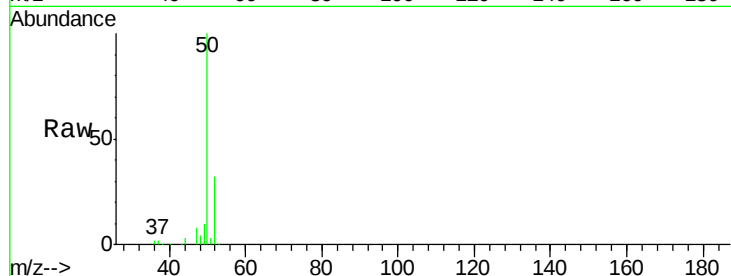
52 32.1 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.400 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY001871.D

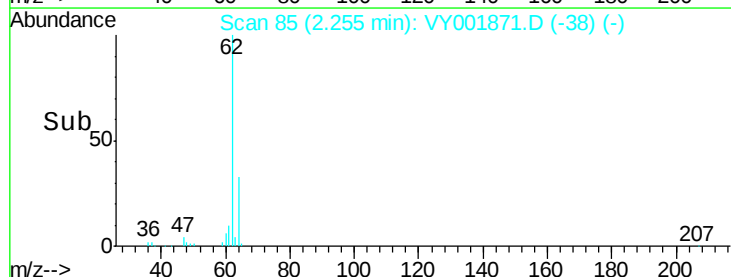
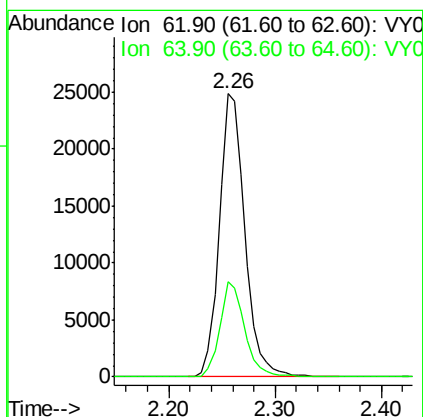
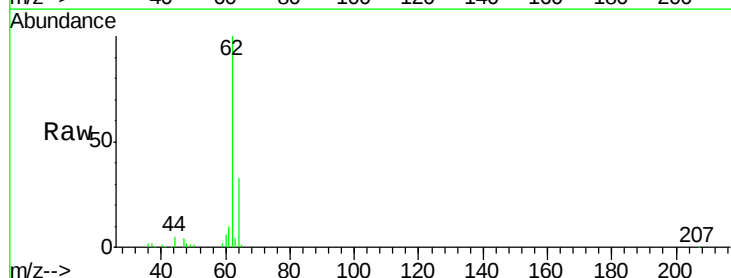
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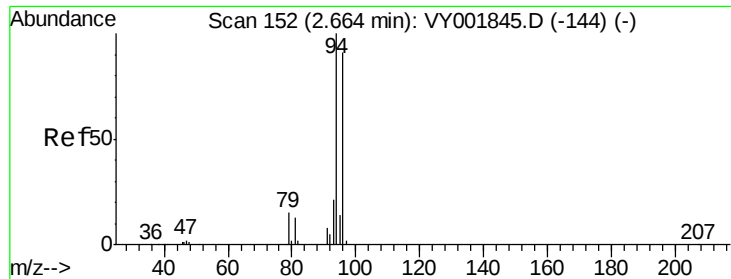
Tgt Ion: 62 Resp: 41492

Ion Ratio Lower Upper

62 100

64 33.5 25.1 37.7





#5

Bromomethane

Concen: 18.056 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.02 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0305SBS01

Tot Ion: 94 Resp: 28705

Ion Ratio Lower Upper

94 100

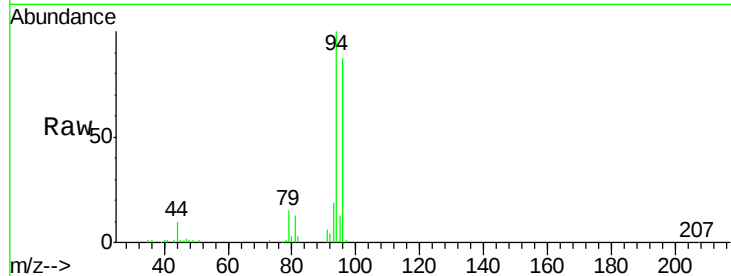
96 86.6 73.2 109.8

Manual Integrations

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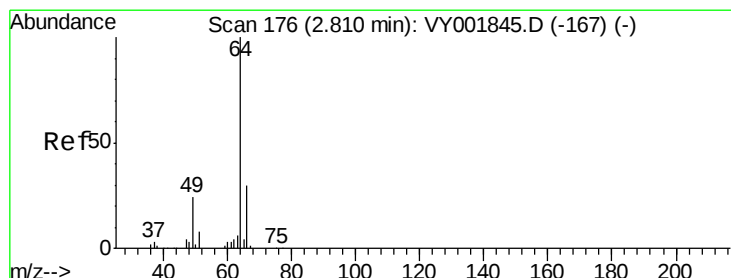
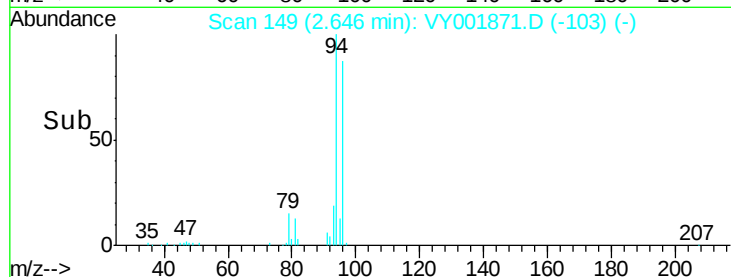
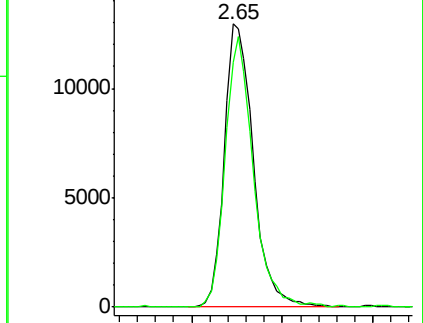
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 19.007 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001871.D

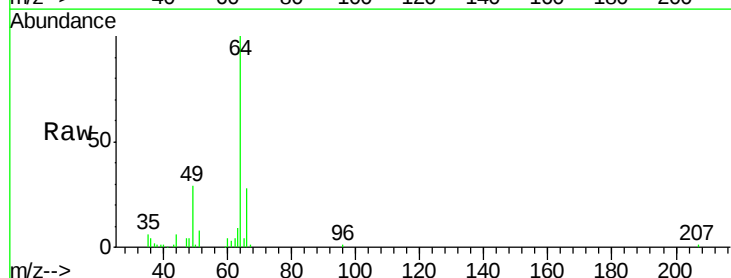
Acq: 05 Mar 2020 11:16

Tgt Ion: 64 Resp: 26923

Ion Ratio Lower Upper

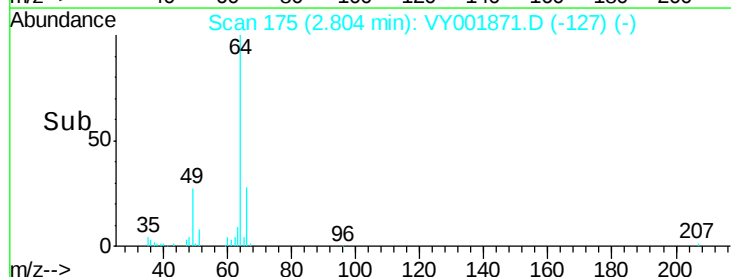
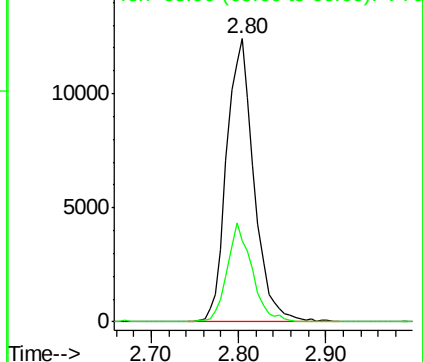
64 100

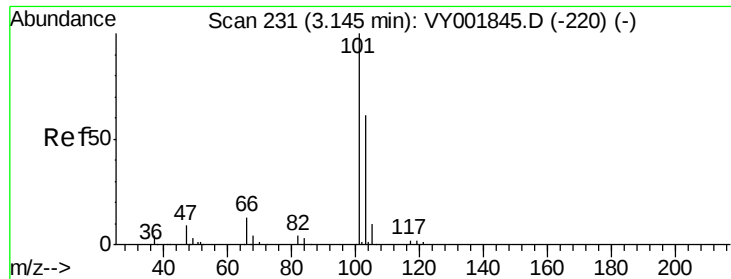
66 28.4 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

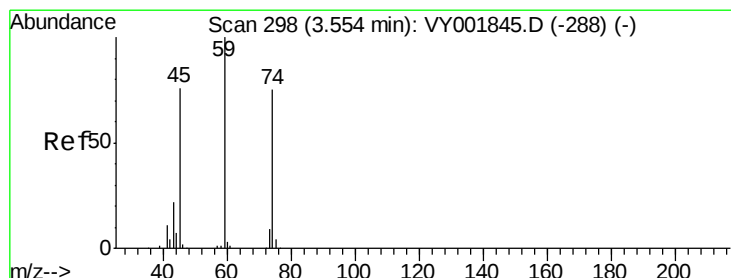
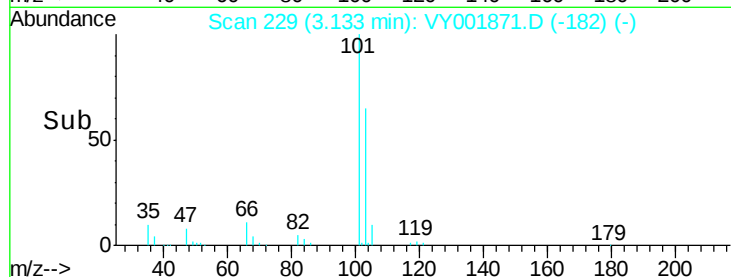
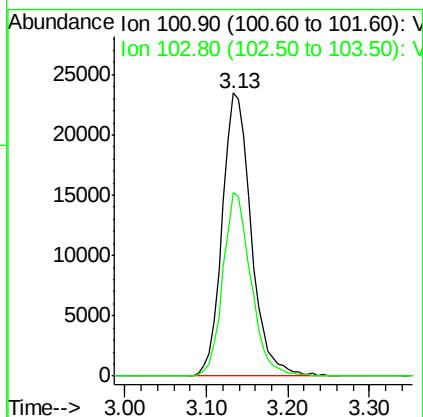
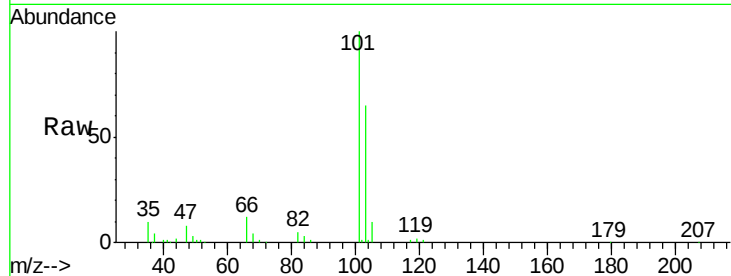
Trichlorofluoromethane
 Concen: 18.787 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VY001871.D
 Acq: 05 Mar 2020 11:16

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	49.1	73.7

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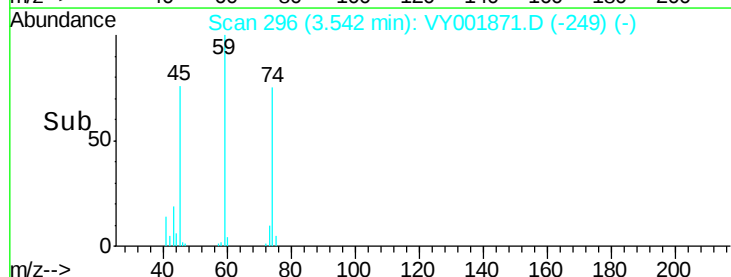
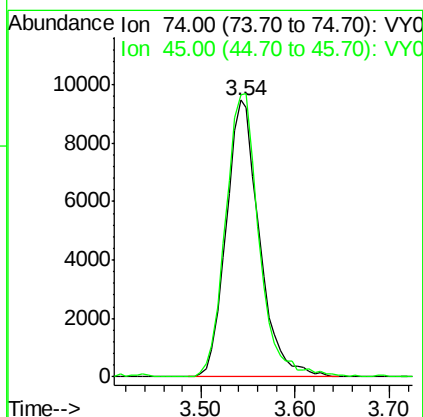
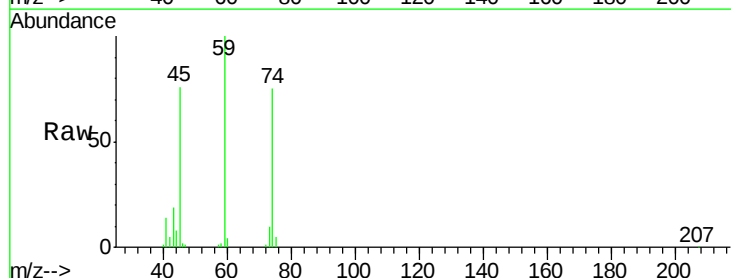
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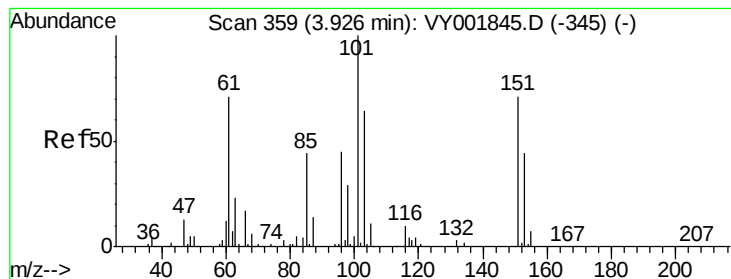


#8

Diethyl Ether
 Concen: 19.200 ug/l
 RT: 3.54 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: VY001871.D
 Acq: 05 Mar 2020 11:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.6	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.761 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

Instrument :

MSVOA_Y

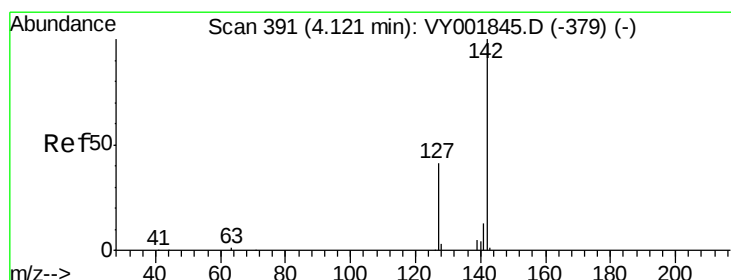
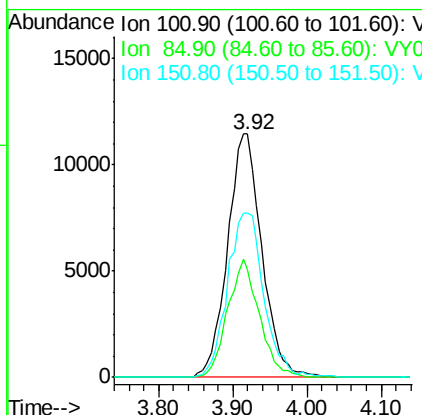
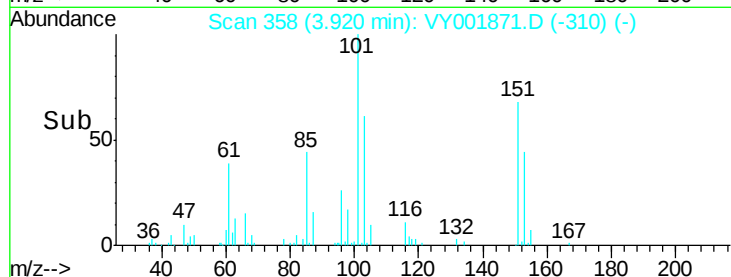
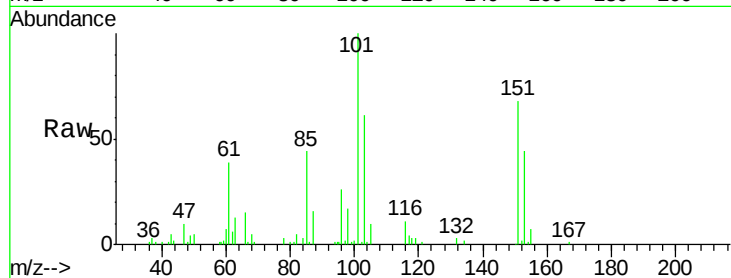
ClientSampleId :

VY0305SBS01

Tot Ion:	101	Resp:	36902
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.3	52.9
151	71.7	57.0	85.4

Manual Integrations
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MMDadoda
3/6/2020 11:16:49 AM



#10

Methyl Iodide

Concen: 17.860 ug/l

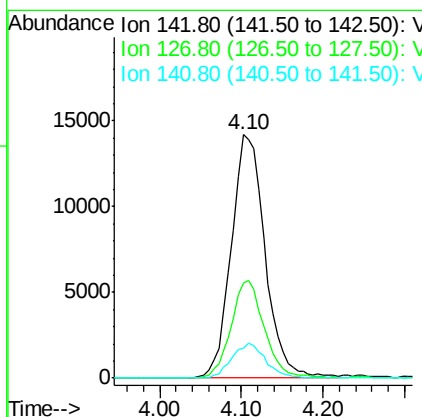
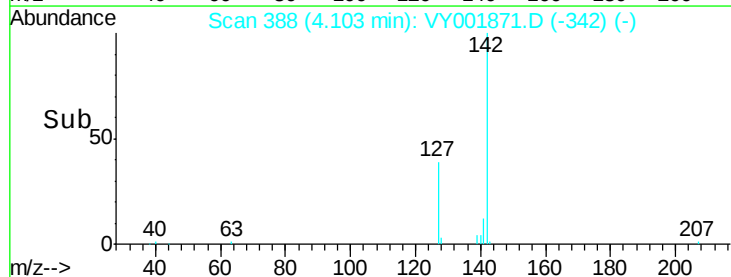
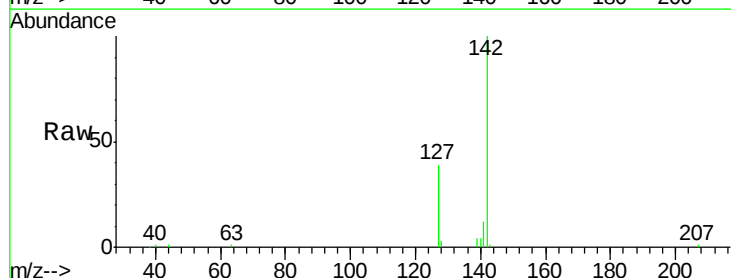
RT: 4.10 min Scan# 388

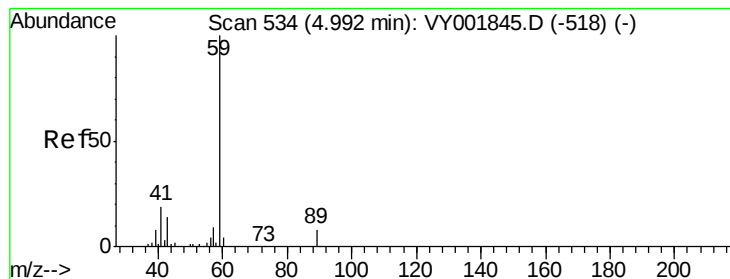
Delta R.T. -0.02 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

Tgt Ion:	142	Resp:	40626
Ion Ratio	Lower	Upper	
142	100		
127	39.5	32.7	49.1
141	14.3	11.0	16.6





#11

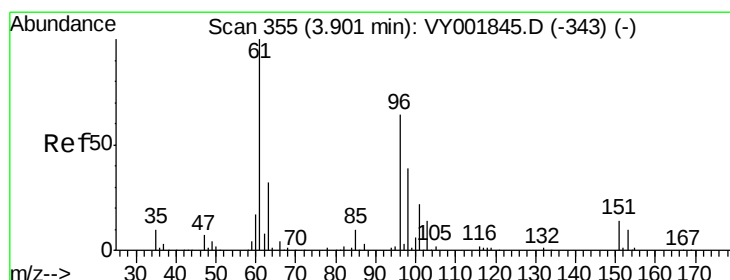
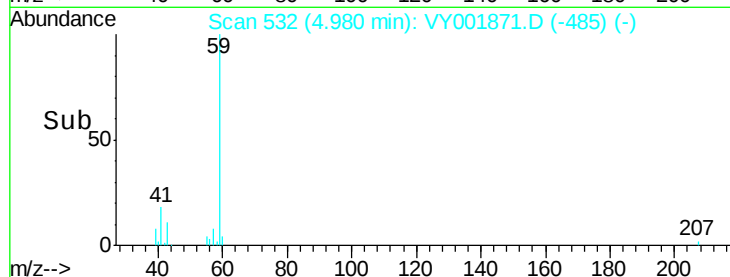
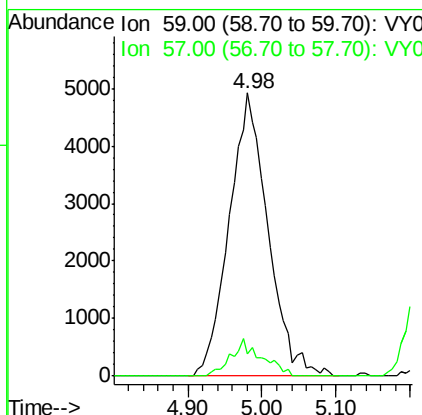
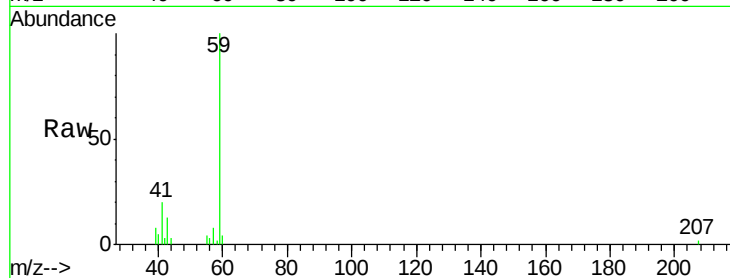
Tert butyl alcohol
Concen: 74.842 ug/l
RT: 4.98 min Scan# 532
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	59	Resp	17942
Ion Ratio	100	Lower	Upper
57	10.2	7.4	11.2

Manual Integrations
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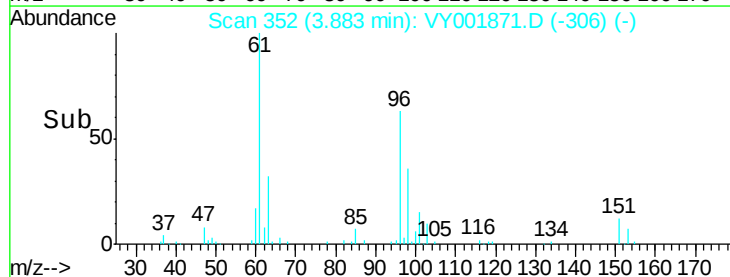
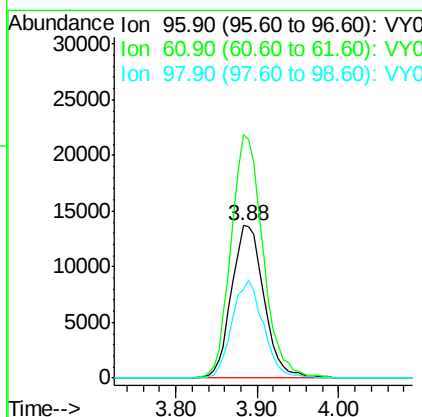
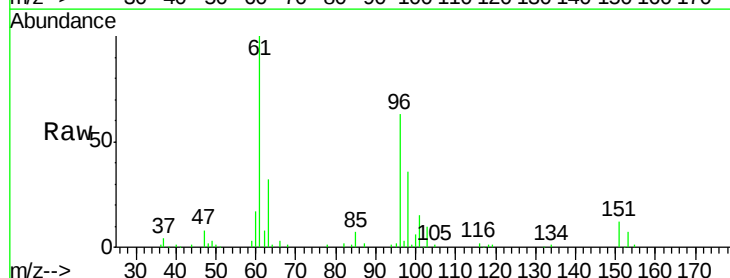
MMDadoda
3/6/2020 11:16:49 AM

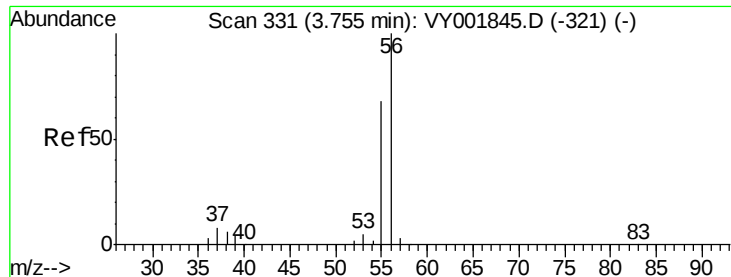


#12

1,1-Dichloroethene
Concen: 19.082 ug/l
RT: 3.88 min Scan# 352
Delta R.T. -0.02 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Tgt Ion	96	Resp	37792
Ion Ratio	100	Lower	Upper
61	159.8	124.8	187.2
98	57.9	49.2	73.8





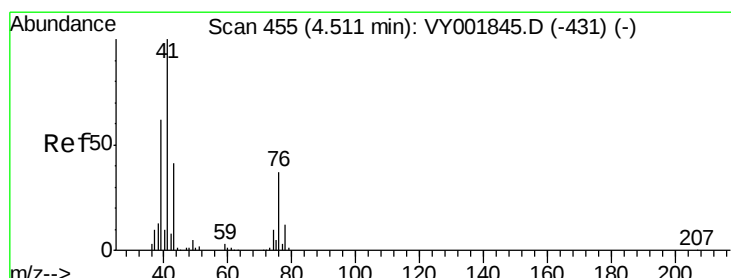
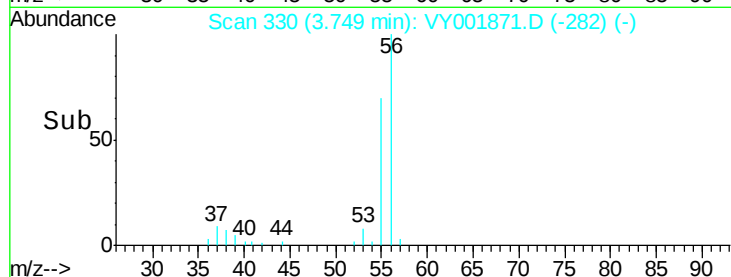
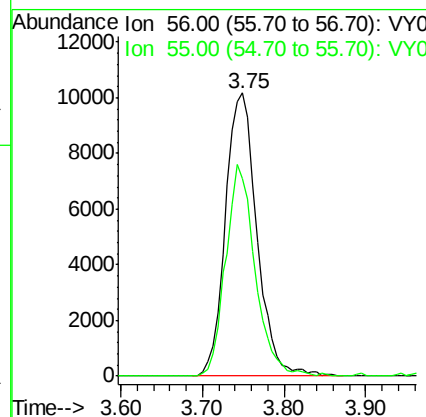
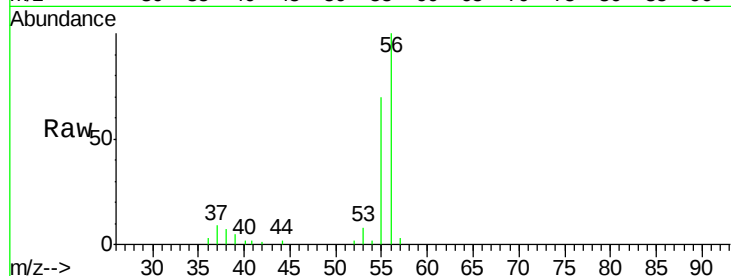
#13
Acrolein
Concen: 101.639 ug/l
RT: 3.75 min Scan# 330
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	56	55	Ratio	Lower	Upper
27161	100	70.0		54.0	81.0

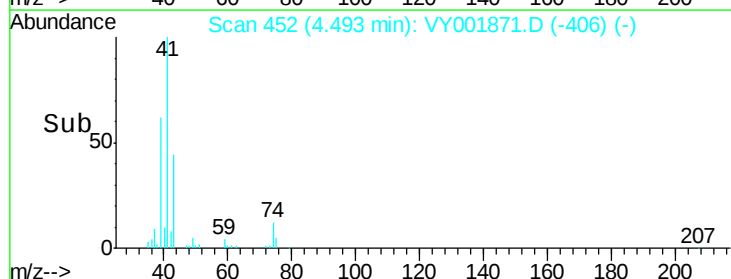
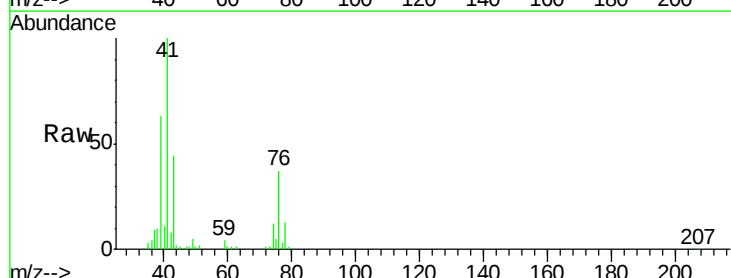
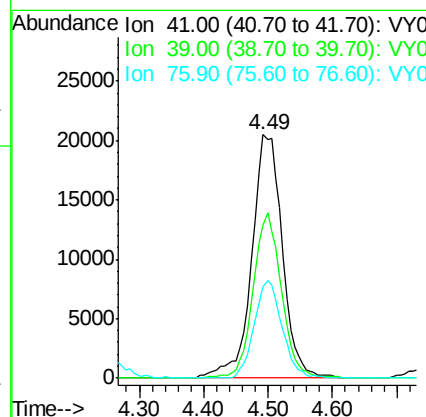
Manual Integrations
APPROVED

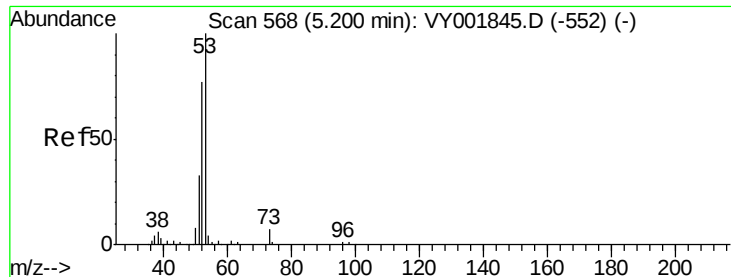
MMDadoda
3/6/2020 11:16:49 AM



#14
Allyl chloride
Concen: 19.004 ug/l
RT: 4.49 min Scan# 452
Delta R.T. -0.02 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Tgt Ion	41	39	76	Ratio	Lower	Upper
66725	100	62.8	36.2		49.0	73.6
					28.9	43.3





#15

Acrylonitrile

Concen: 95.753 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.01 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

Instrument :

MSVOA_Y

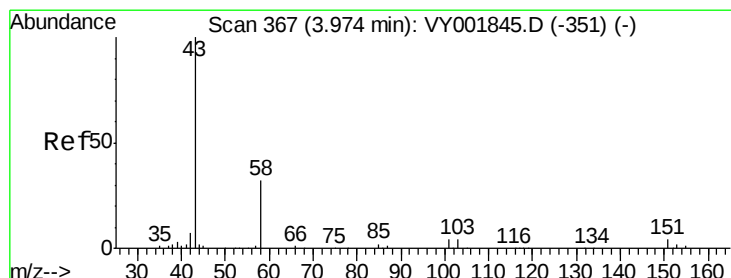
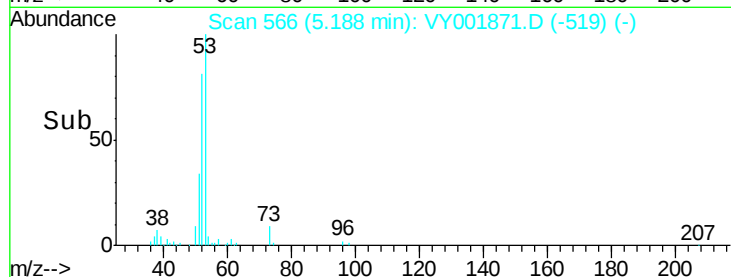
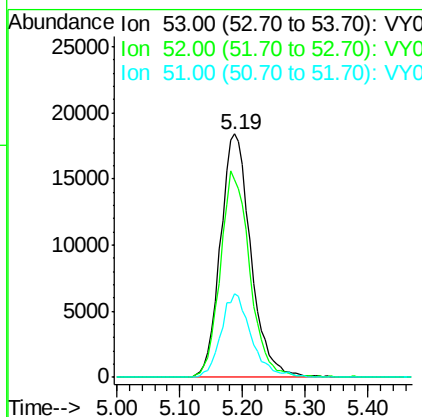
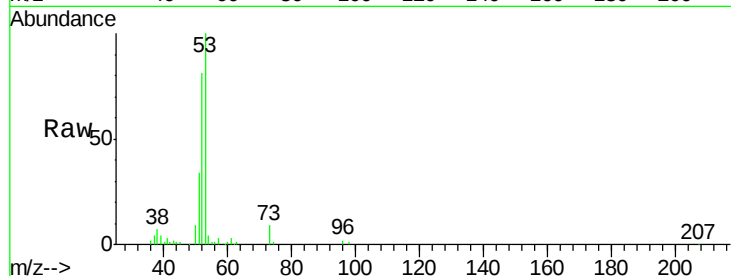
ClientSampleId :

VY0305SBS01

Tot Ion:	53	Resp:	61672
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.1	97.7
51	34.3	27.5	41.3

Manual Integrations
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MMDadoda
3/6/2020 11:16:49 AM



#16

Acetone

Concen: 91.644 ug/l

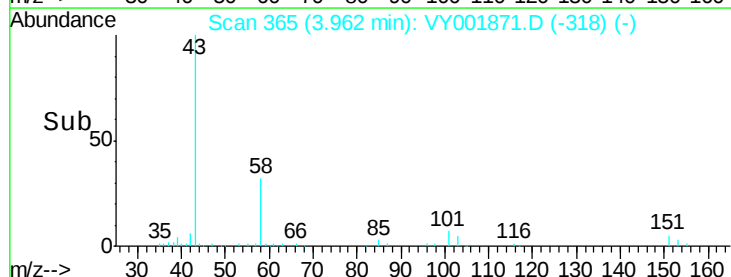
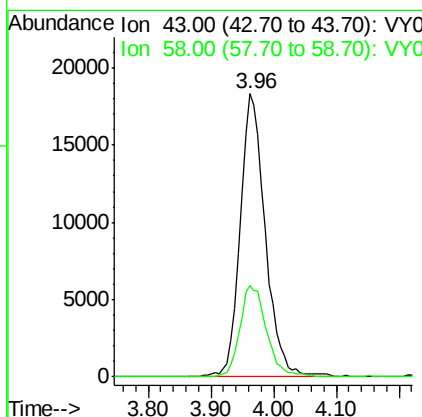
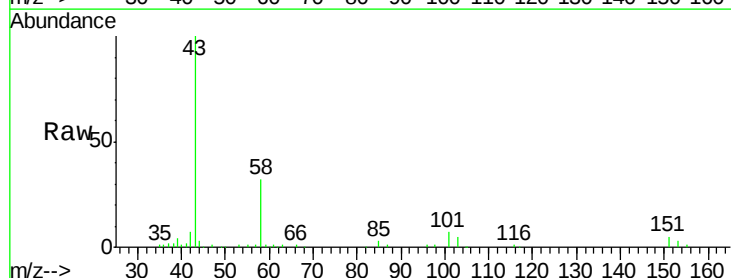
RT: 3.96 min Scan# 365

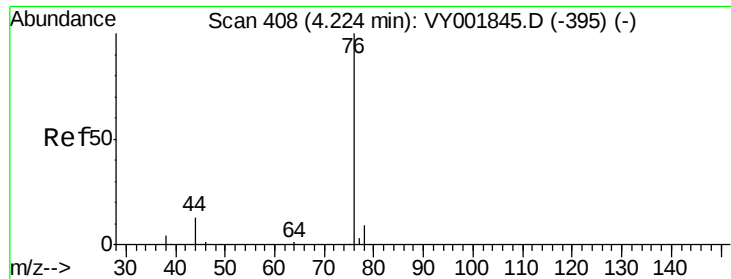
Delta R.T. -0.01 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

Tgt Ion:	43	Resp:	50760
Ion	Ratio	Lower	Upper
43	100		
58	32.4	25.9	38.9





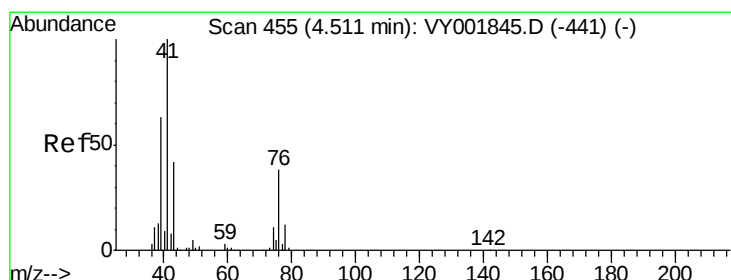
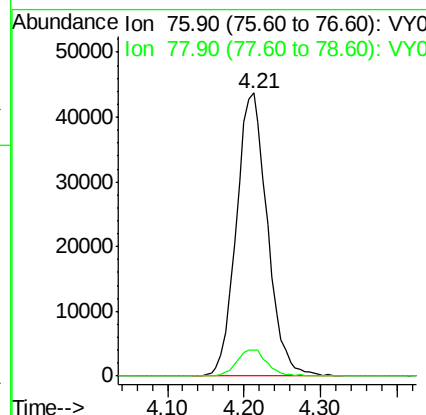
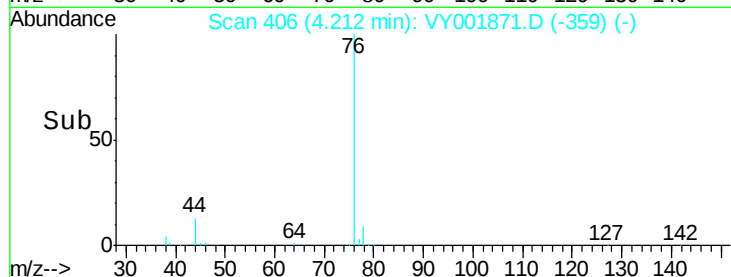
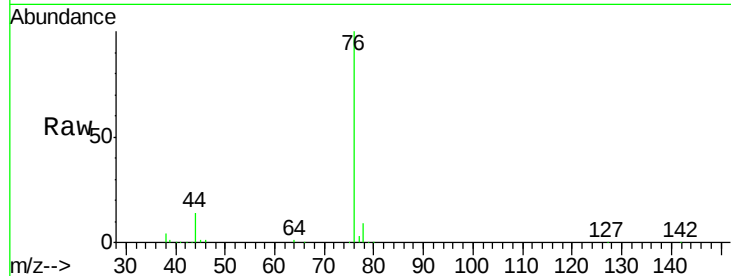
#17
Carbon Disulfide
Concen: 18.432 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

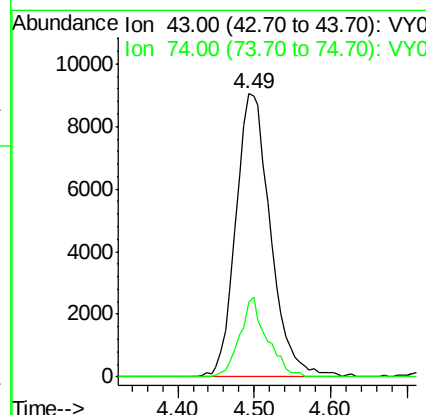
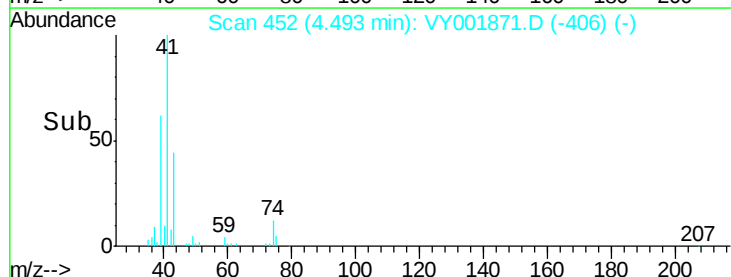
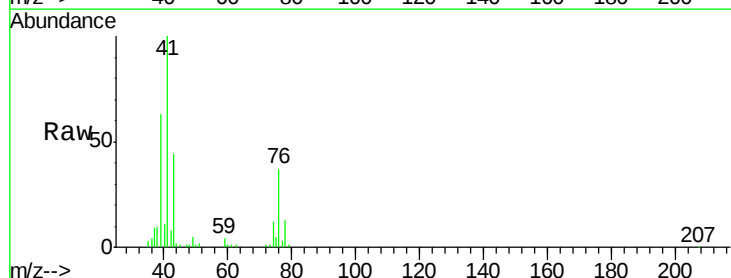
Manual Integrations
APPROVED

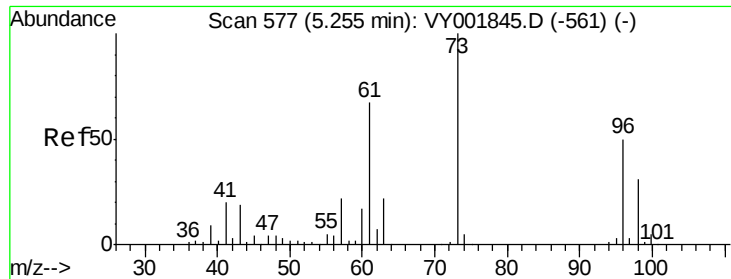
MMDadoda
3/6/2020 11:16:49 AM



#18
Methyl Acetate
Concen: 19.995 ug/l
RT: 4.49 min Scan# 452
Delta R.T. -0.02 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	19.0	28.6





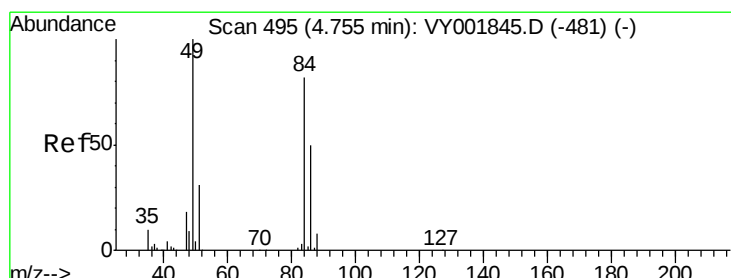
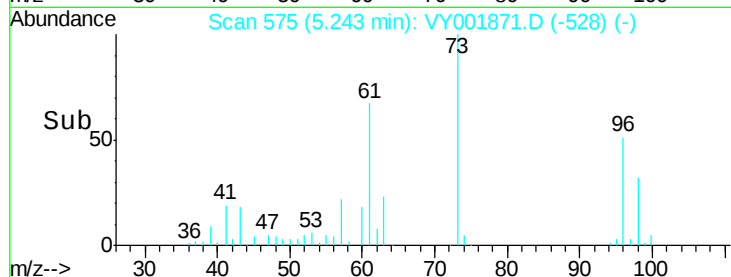
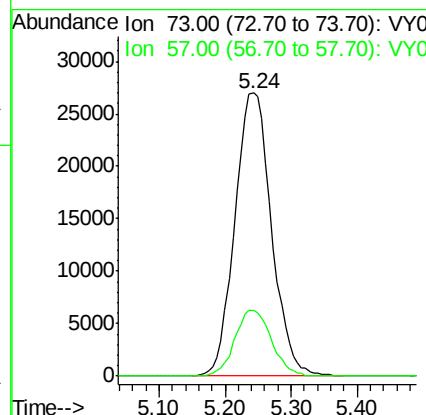
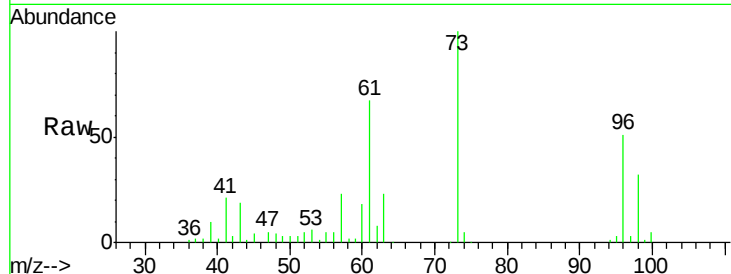
#19
Methyl tert-butyl Ether
Concen: 19.303 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion: 73 Resp: 103601
Ion Ratio Lower Upper
73 100
57 23.4 17.4 26.2

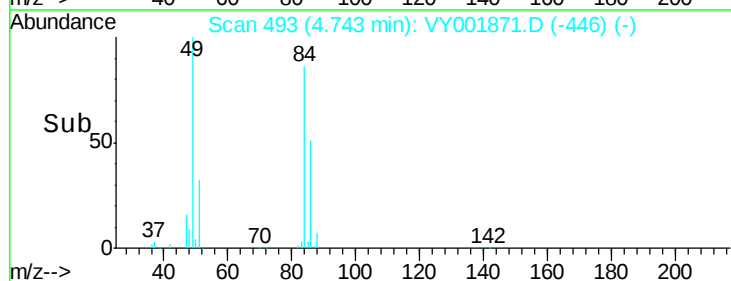
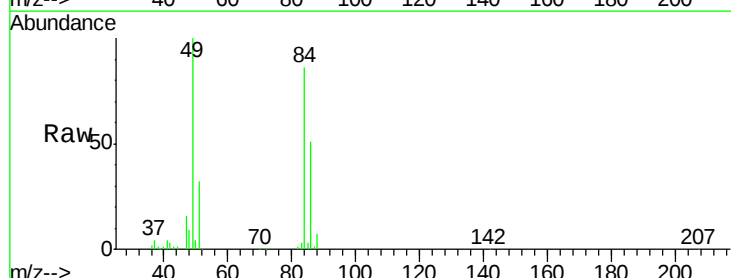
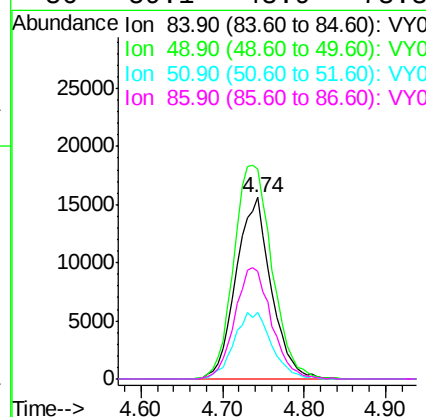
Manual Integrations
APPROVED

MMDadoda
3/6/2020 11:16:49 AM



#20
Methylene Chloride
Concen: 19.600 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Tgt Ion: 84 Resp: 46528
Ion Ratio Lower Upper
84 100
49 115.9 98.2 147.2
51 36.5 30.2 45.2
86 59.1 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 18.749 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.01 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0305SBS01

Tot Ion: 96 Resp: 42146

Ion Ratio Lower Upper

96 100

61 130.0 107.7 161.5

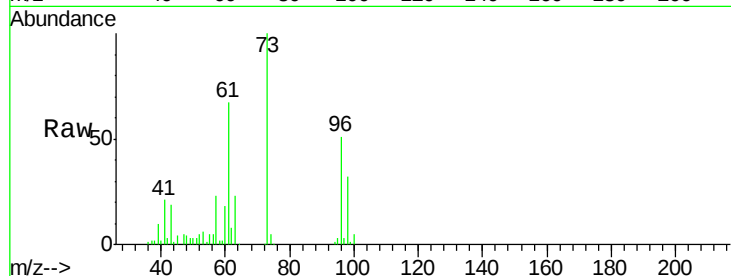
98 62.8 49.3 73.9

Manual Integrations

APPROVED

MMDadoda

3/6/2020 11:16:49 AM

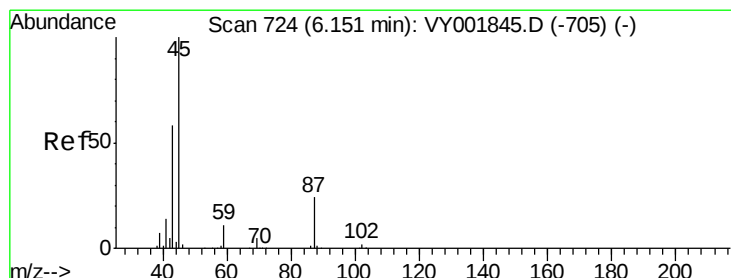
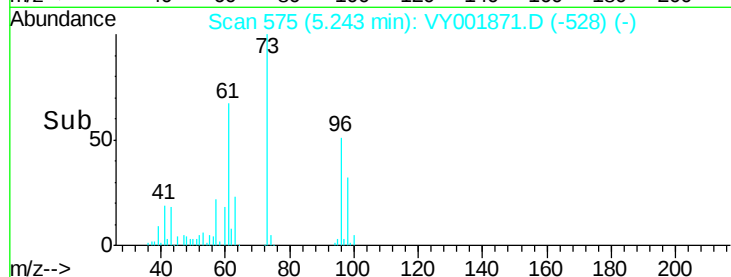
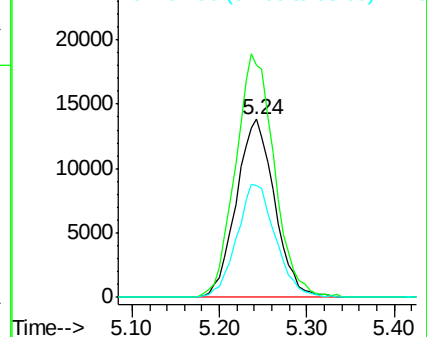


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 19.570 ug/l

RT: 6.14 min Scan# 723

Delta R.T. -0.01 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

Tgt Ion: 45 Resp: 140845

Ion Ratio Lower Upper

45 100

43 52.6 47.2 70.8

87 25.9 19.8 29.8

59 11.3 8.8 13.2

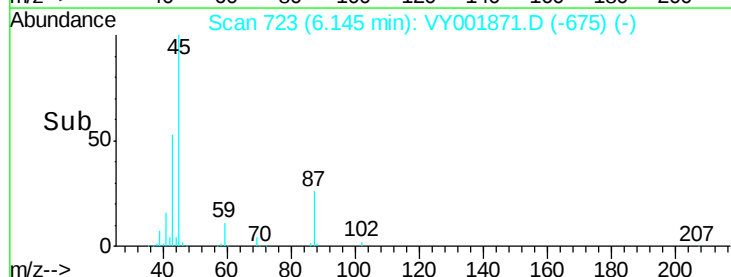
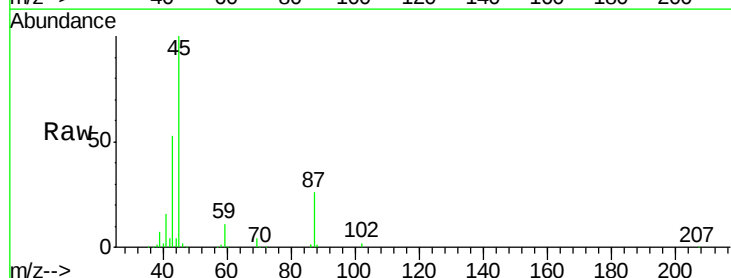
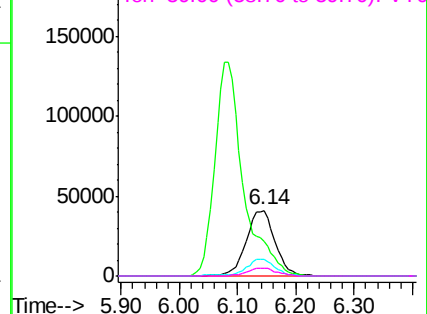
Abundance

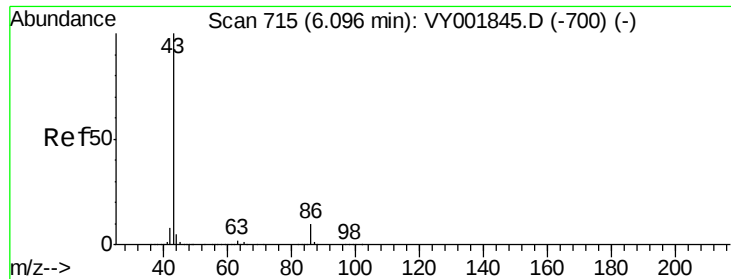
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 95.971 ug/l

RT: 6.08 min Scan# 712

Delta R.T. -0.02 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0305SBS01

Tot Ion: 43 Resp: 452805

Ion Ratio Lower Upper

43 100

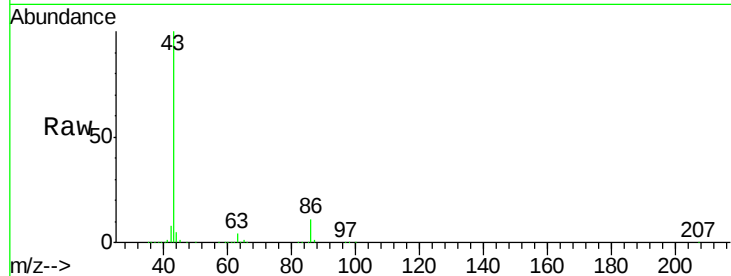
86 10.6 7.8 11.8

Manual Integrations

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MMDadoda

3/6/2020 11:16:49 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.08

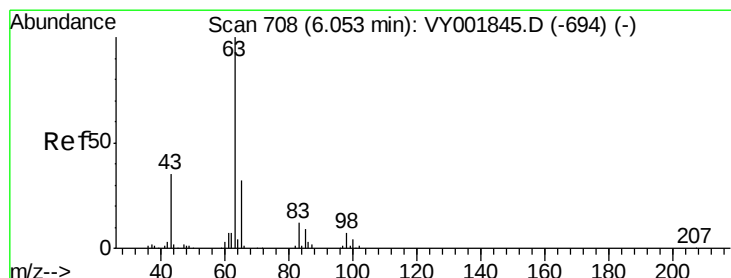
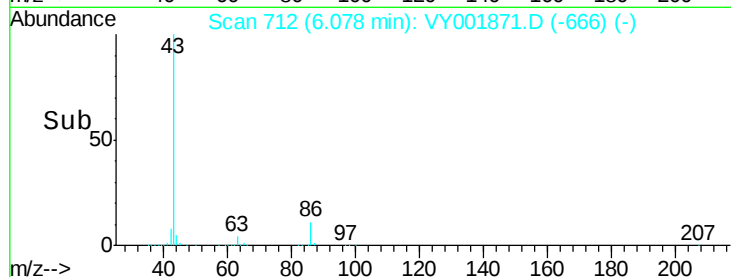
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 18.965 ug/l

RT: 6.04 min Scan# 705

Delta R.T. -0.02 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

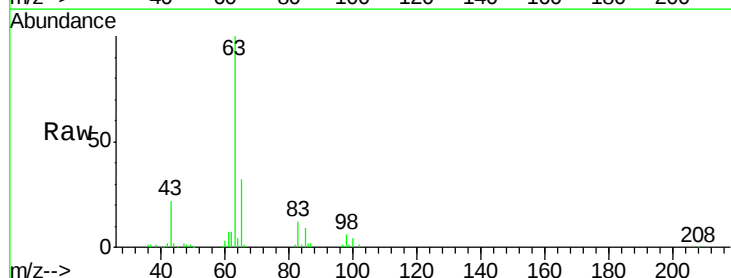
Tgt Ion: 63 Resp: 73914

Ion Ratio Lower Upper

63 100

98 5.7 3.4 10.2

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.04

30000

25000

20000

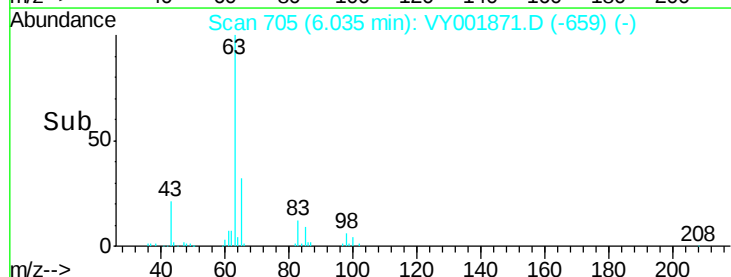
15000

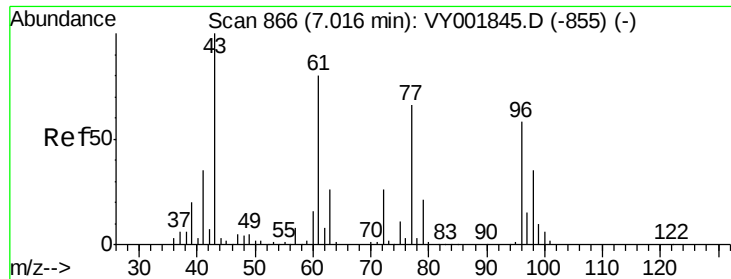
10000

5000

0

Time--> 5.90 6.00 6.10 6.20





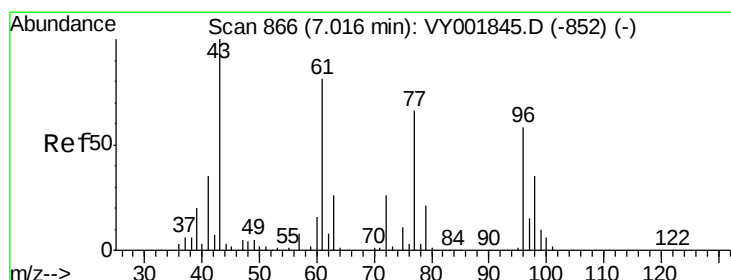
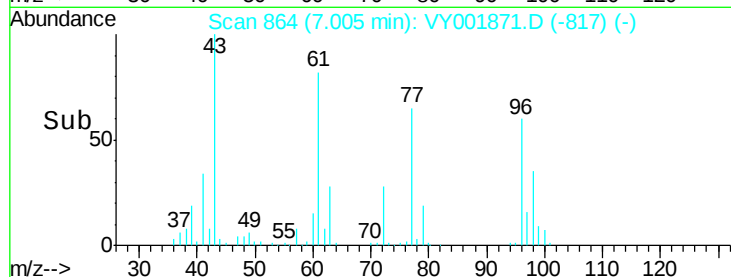
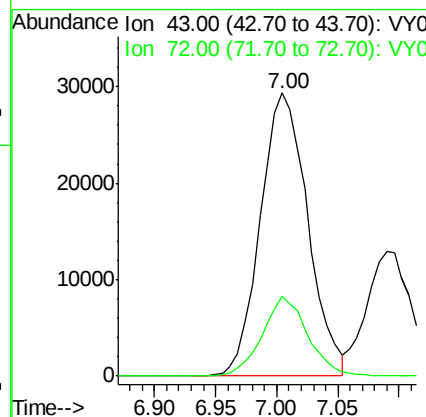
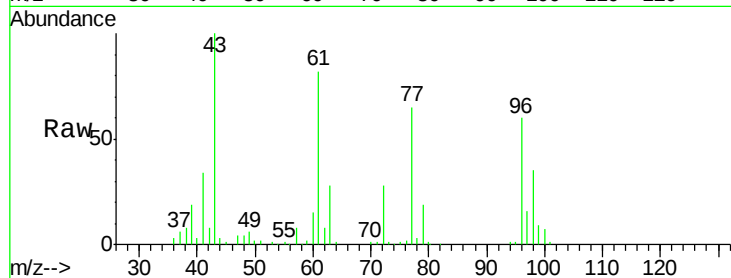
#25
2-Butanone
Concen: 94.118 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion: 43 Resp: 79276
Ion Ratio Lower Upper
43 100
72 28.0 20.9 31.3

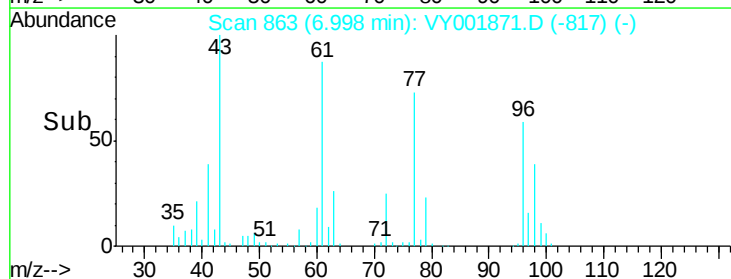
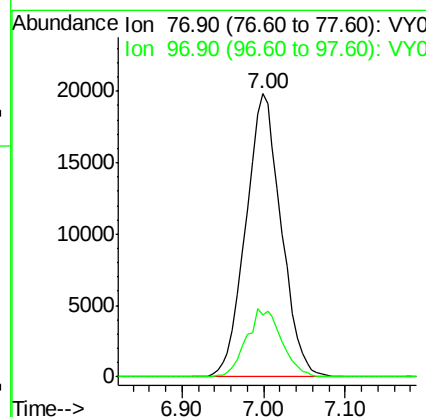
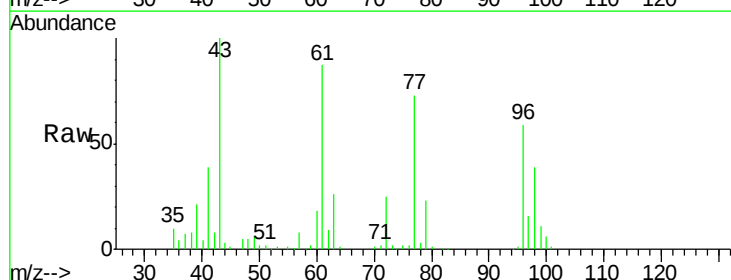
Manual Integrations
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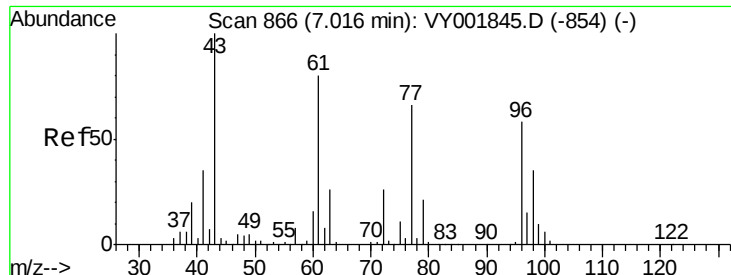
MMDadoda
3/6/2020 11:16:49 AM



#26
2,2-Dichloropropane
Concen: 18.683 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.02 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Tgt Ion: 77 Resp: 59766
Ion Ratio Lower Upper
77 100
97 23.9 11.9 35.7





#27

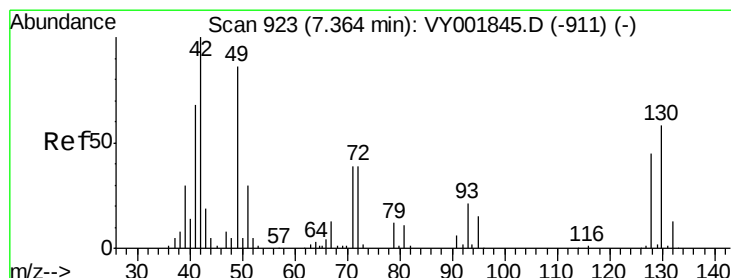
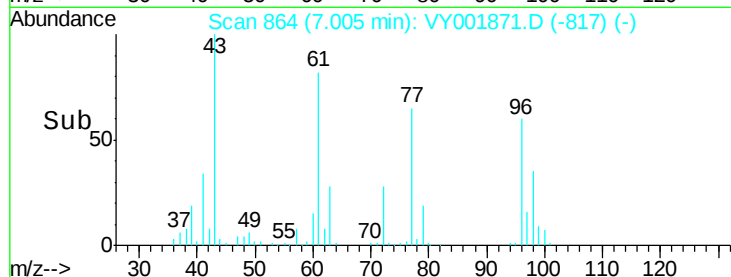
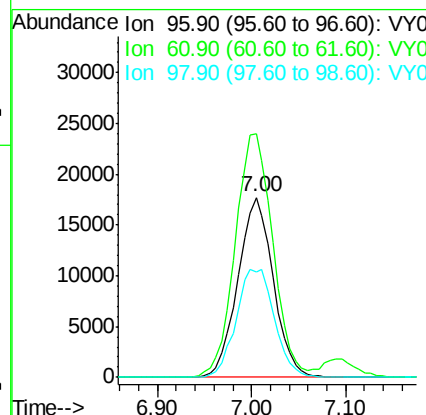
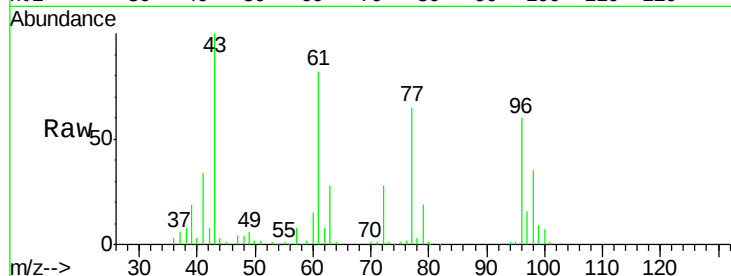
cis-1,2-Dichloroethene
Concen: 19.013 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.4	0.0	288.2
98	64.9	0.0	129.0

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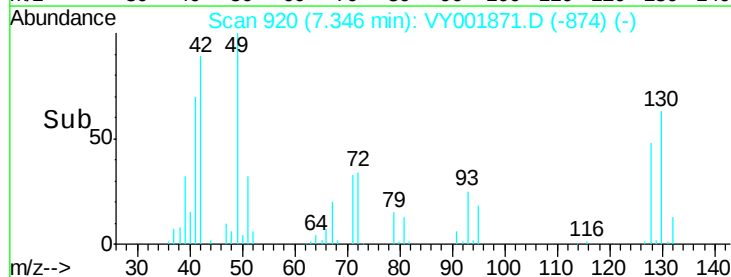
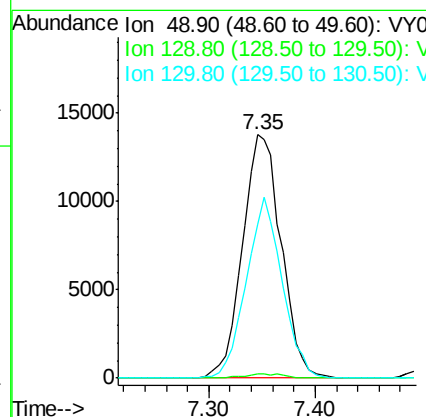
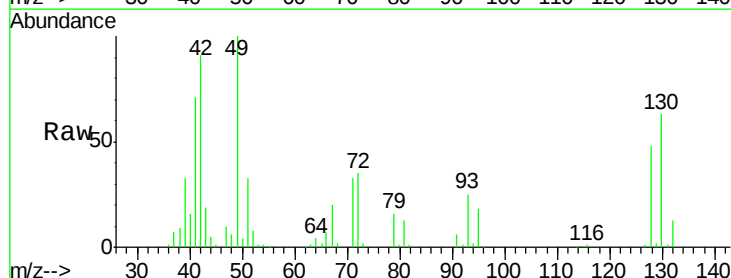
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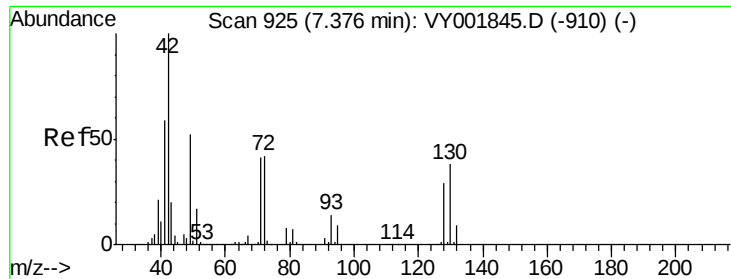


#28

Bromochloromethane
Concen: 19.985 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.02 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	68.8	54.4	81.6





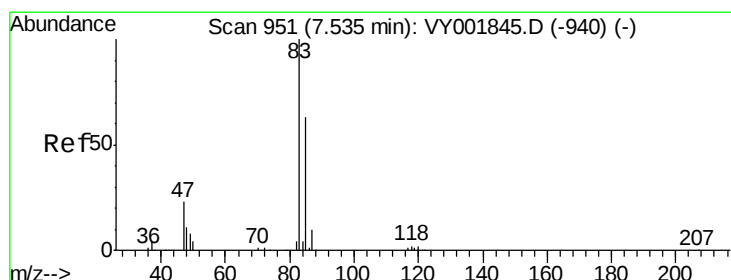
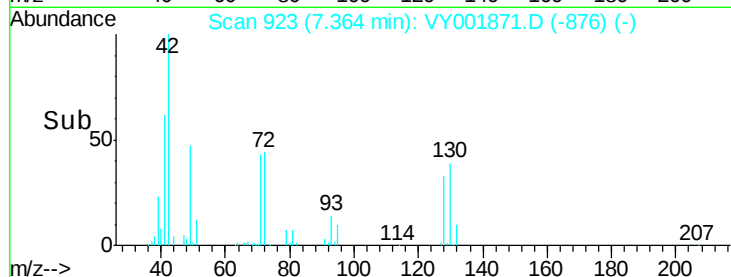
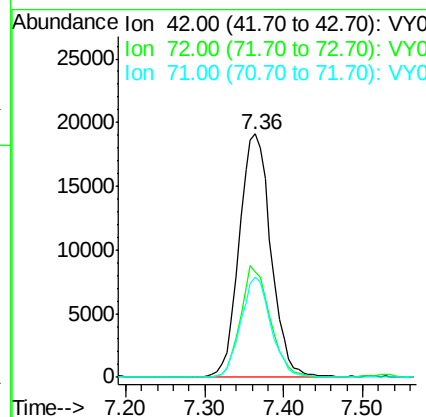
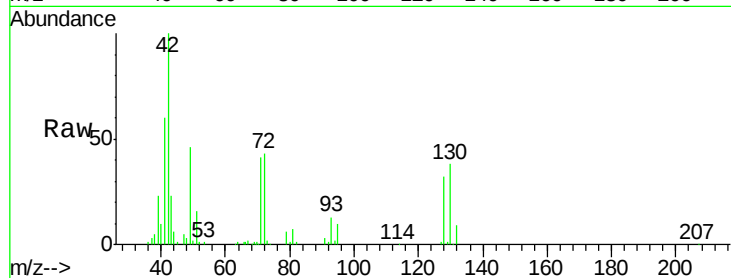
#29
Tetrahydrofuran
Concen: 95.592 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	33.5	50.3
71	39.1	31.3	46.9

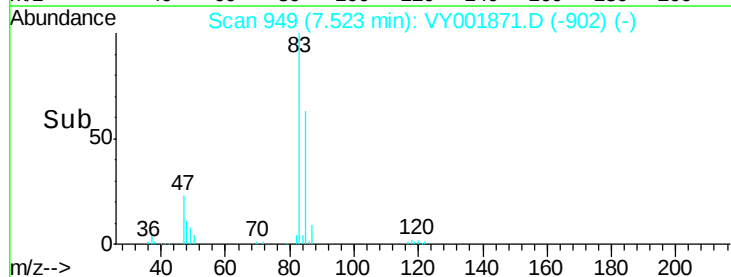
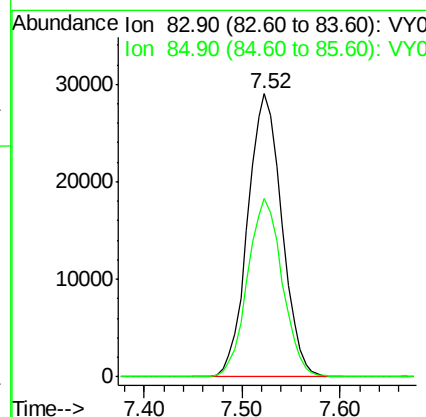
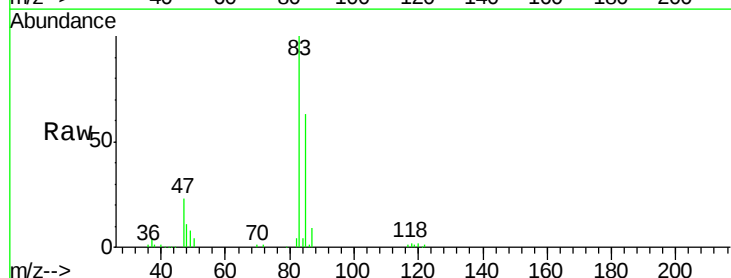
Manual Integrations
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#30
Chloroform
Concen: 19.200 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.7	76.1





#31

Cyclohexane

Concen: 18.488 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0305SBS01

Tot Ion: 56 Resp: 77258

Ion Ratio Lower Upper

56 100

69 37.5 26.7 40.1

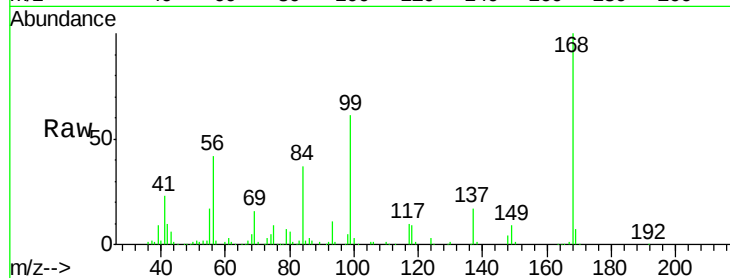
84 86.2 70.4 105.6

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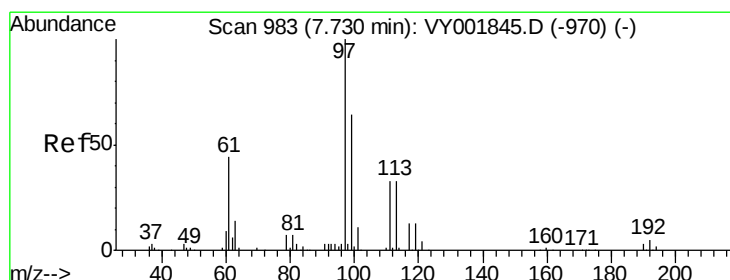
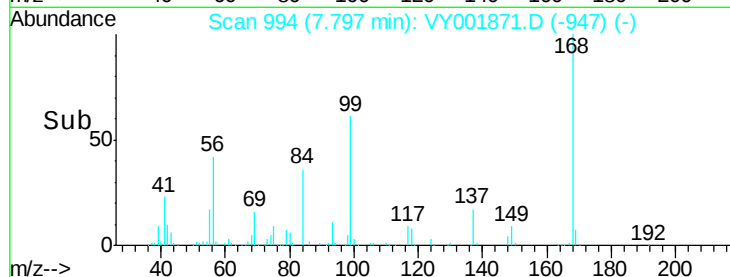
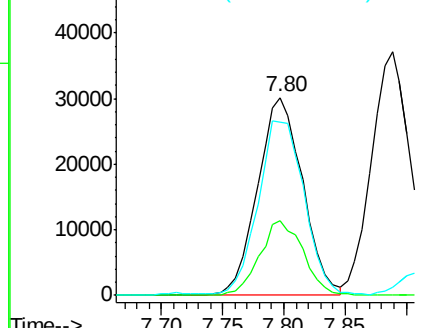
3/6/2020 11:16:49 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 19.028 ug/l

RT: 7.72 min Scan# 981

Delta R.T. -0.01 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

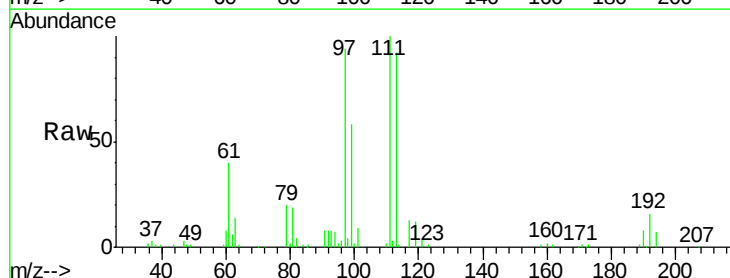
Tgt Ion: 97 Resp: 58726

Ion Ratio Lower Upper

97 100

99 62.2 52.0 78.0

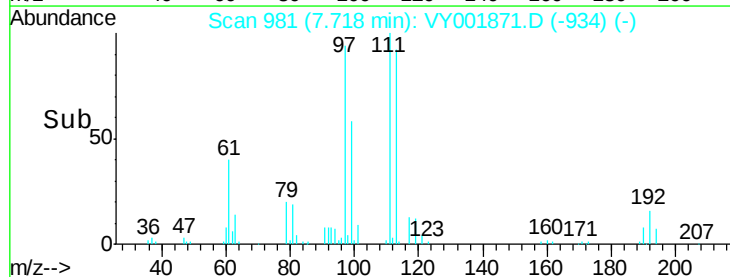
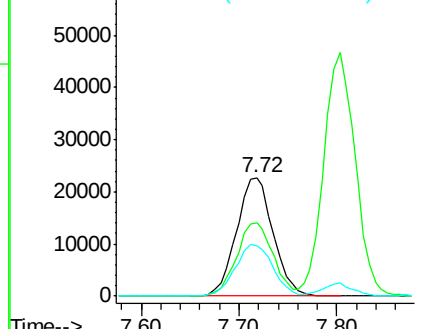
61 44.7 35.0 52.4

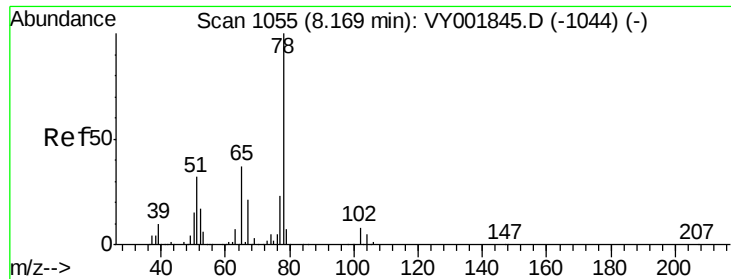


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 50.162 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.02 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0305SBS01

Tot Ion: 65 Resp: 95392

Ion Ratio Lower Upper

65 100

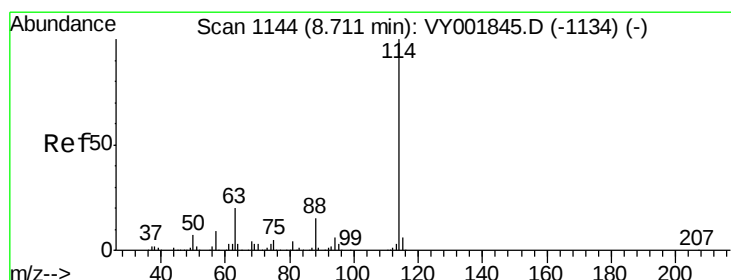
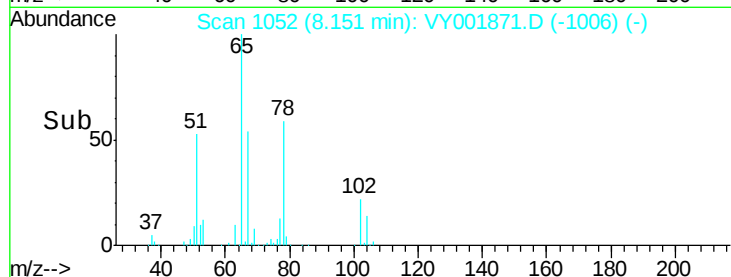
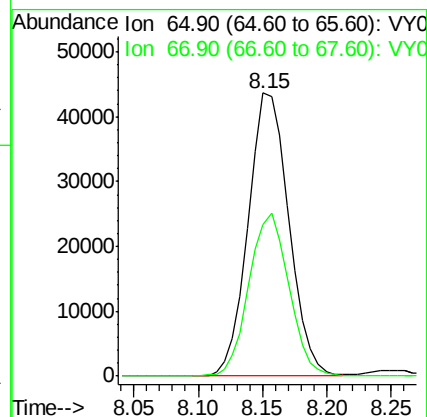
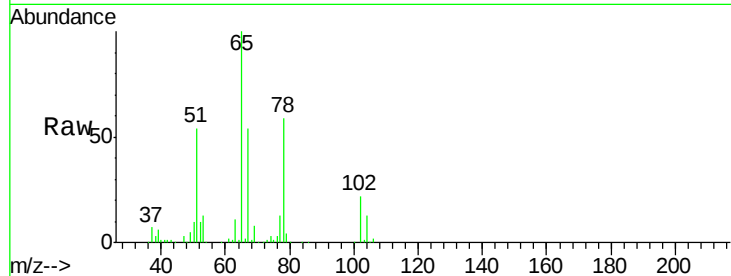
67 56.6 0.0 110.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

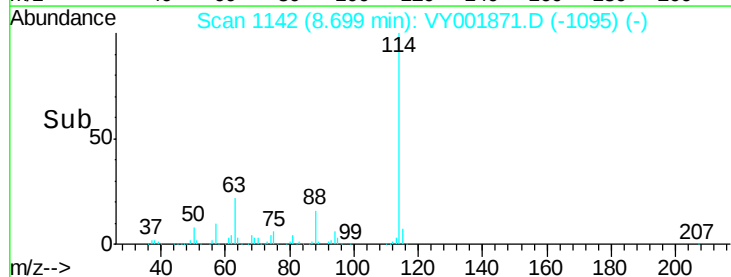
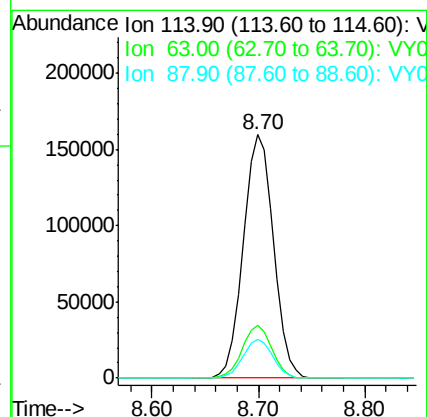
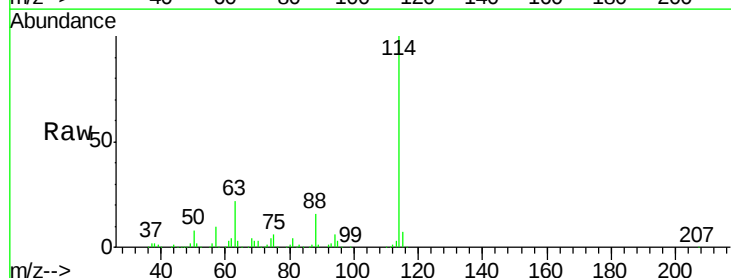
Tgt Ion: 114 Resp: 318208

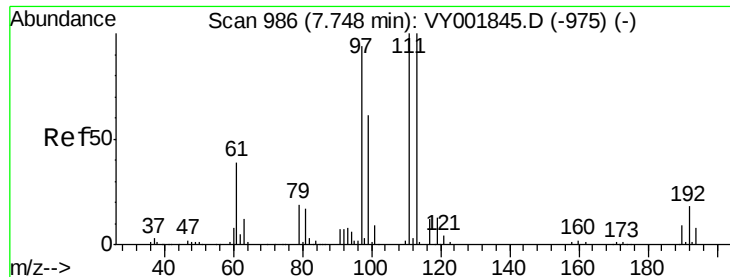
Ion Ratio Lower Upper

114 100

63 21.6 0.0 39.4

88 15.9 0.0 30.4





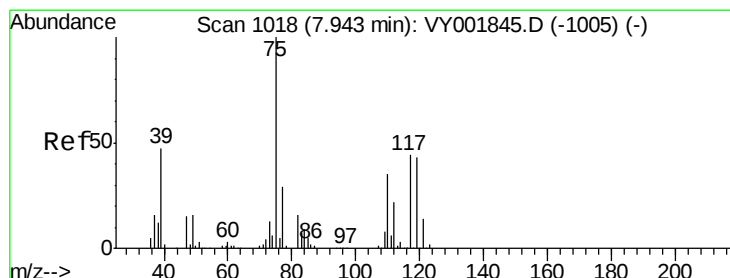
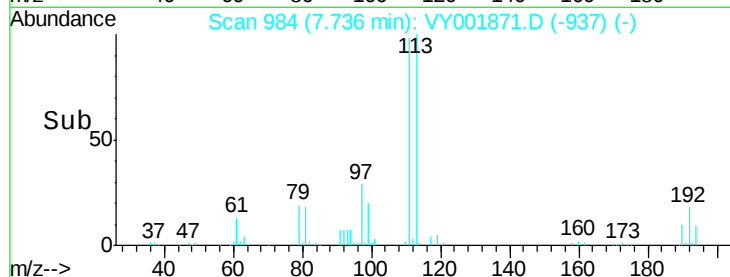
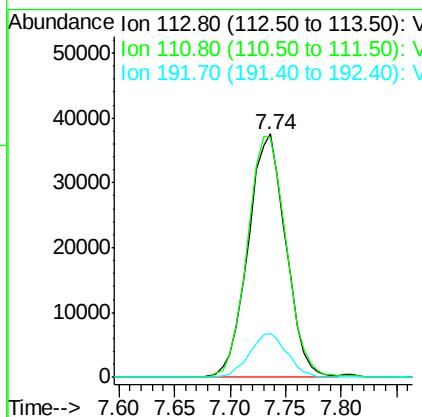
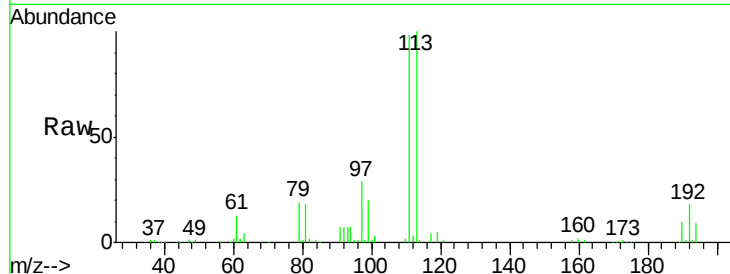
#35
Dibromofluoromethane
Concen: 50.876 ug/l
RT: 7.74 min Scan# 984
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.8
192	18.1	14.2	21.2

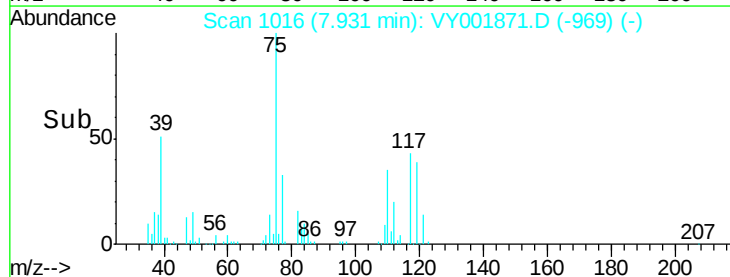
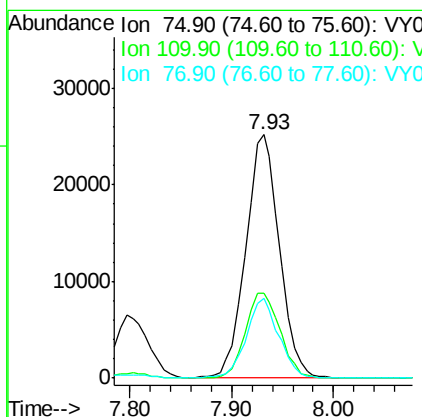
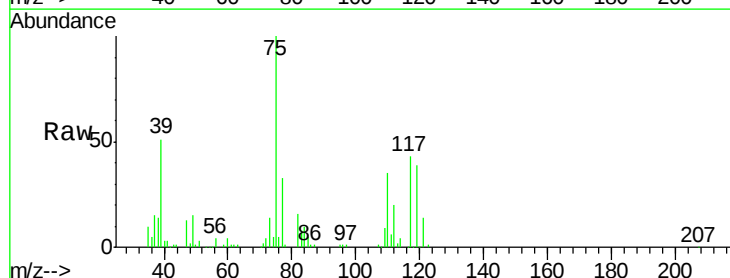
Manual Integrations
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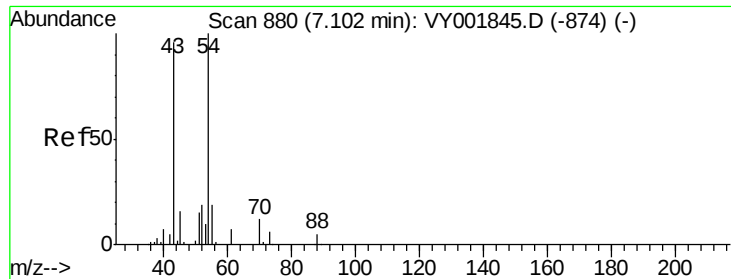
MMDadoda
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#36
1,1-Dichloropropene
Concen: 18.876 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	17.4	52.2
77	31.5	24.2	36.2





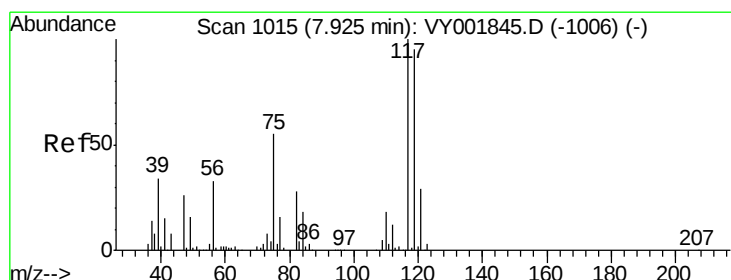
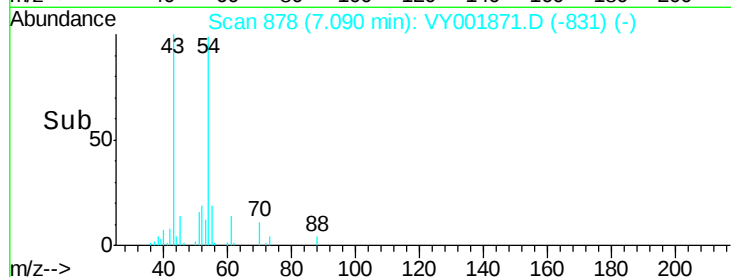
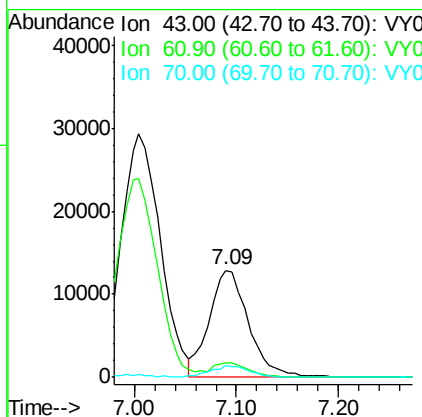
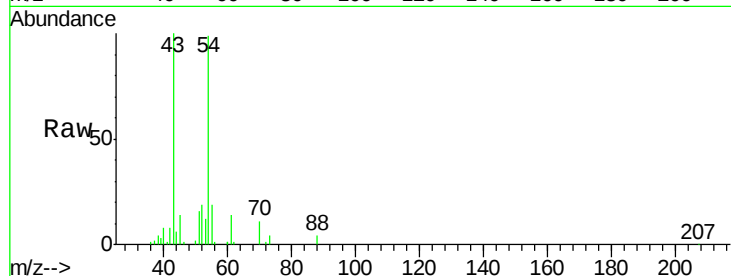
#37
Ethyl Acetate
Concen: 19.276 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.1	16.7
70	10.5	8.2	12.4

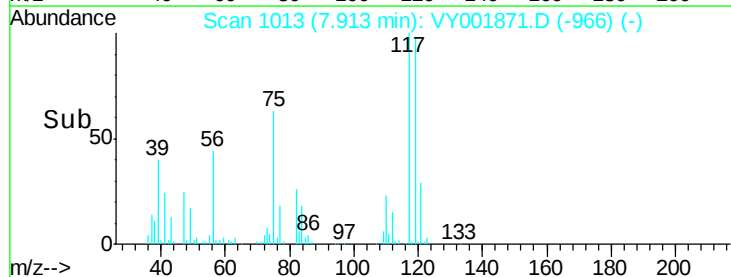
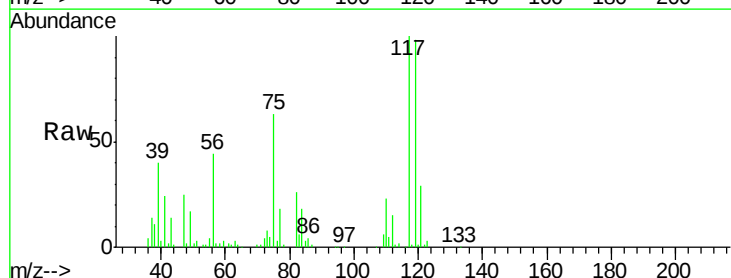
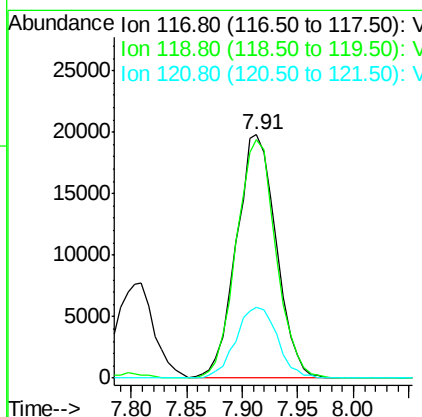
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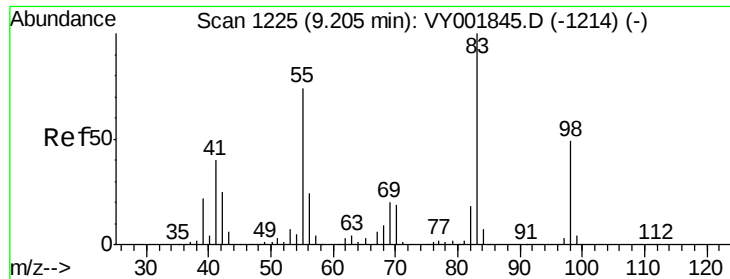
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#38
Carbon Tetrachloride
Concen: 18.898 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.3	114.5
121	29.0	23.5	35.3





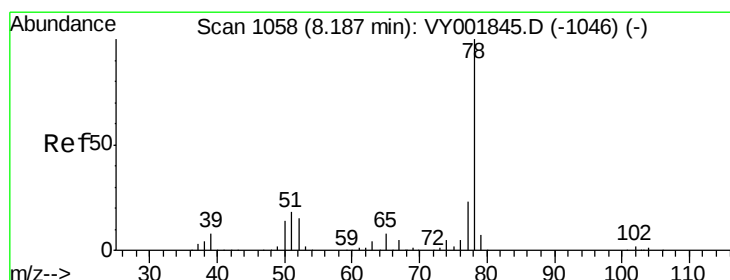
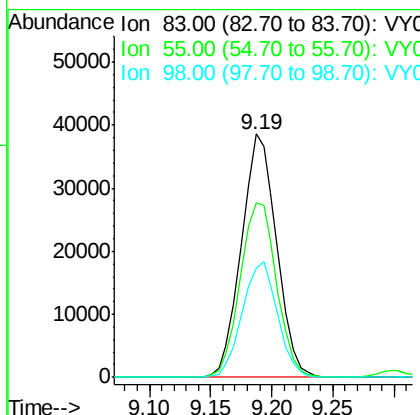
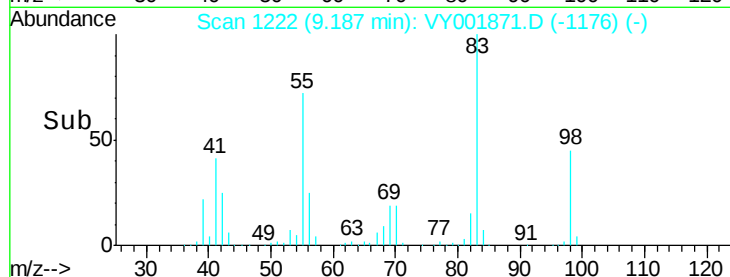
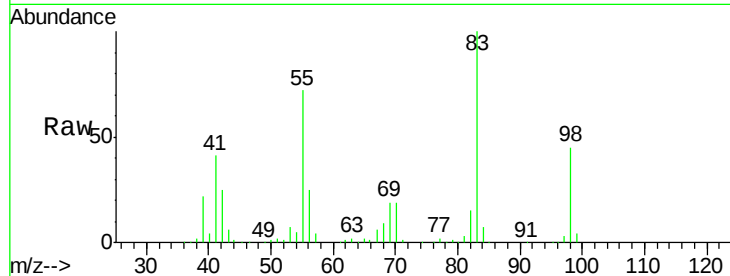
#39
Methvlcvclohexane
Concen: 18.989 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.02 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	83	Resp	77121
Ion Ratio	100	Lower	Upper
83	100		
55	71.8	59.4	89.0
98	44.7	38.9	58.3

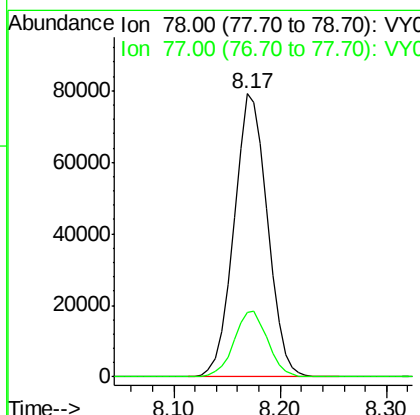
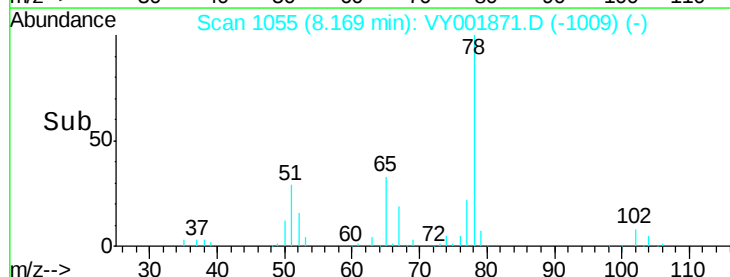
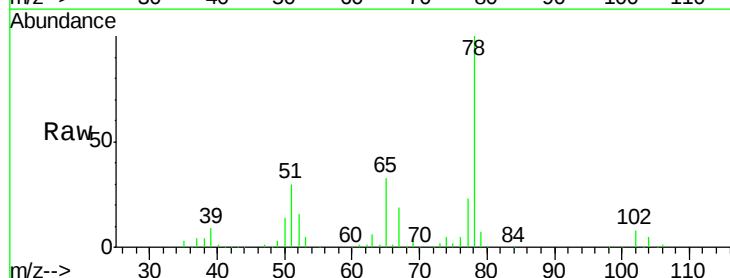
Manual Integrations
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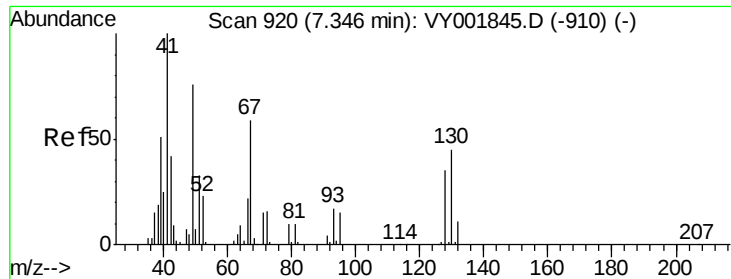
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#40
Benzene
Concen: 19.214 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.02 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Tgt Ion	78	Resp	174386
Ion Ratio	100	Lower	Upper
78	100		
77	22.7	18.7	28.1





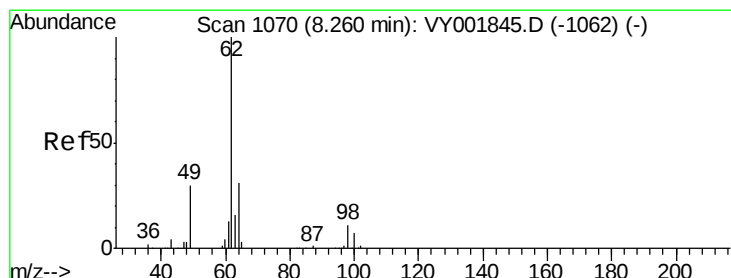
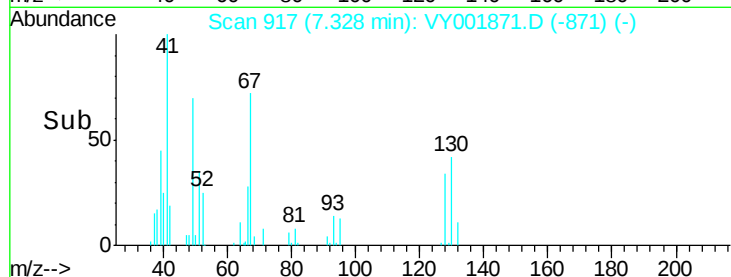
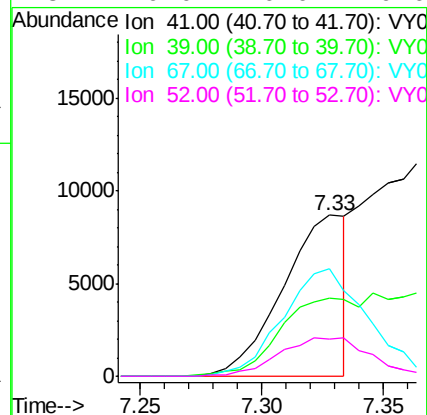
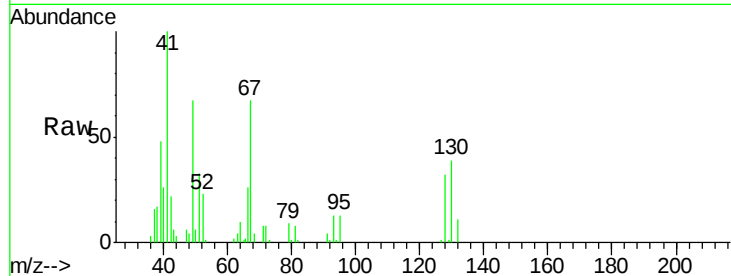
#41
Methacrylonitrile
Concen: 20.040 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. -0.02 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion:	41	Resp:	16051
Ion	Ratio	Lower	Upper
41	100		
39	0.0	111.7	167.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

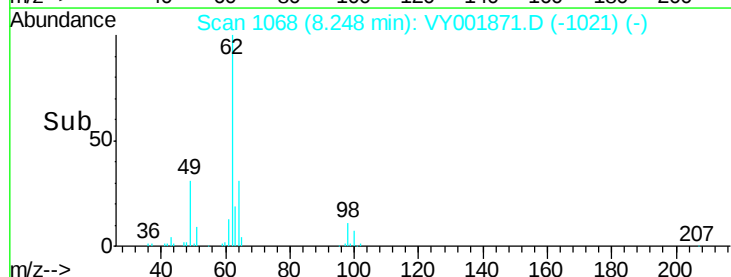
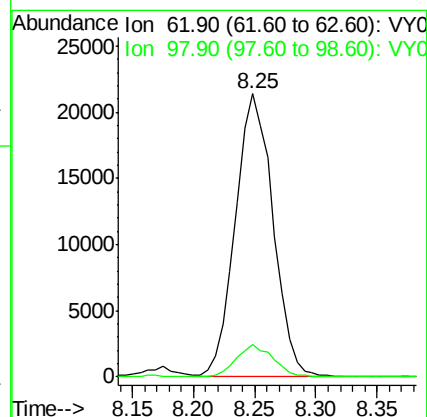
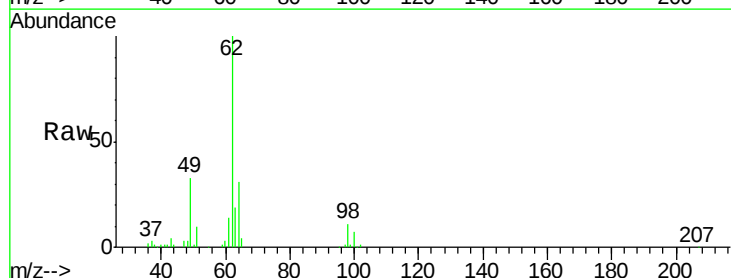
Manual Integrations
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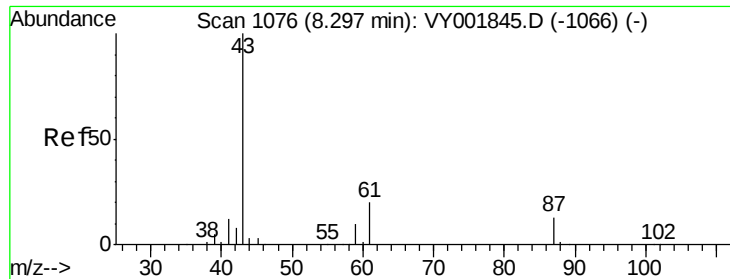
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.564 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Tgt Ion:	62	Resp:	45756
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	21.4





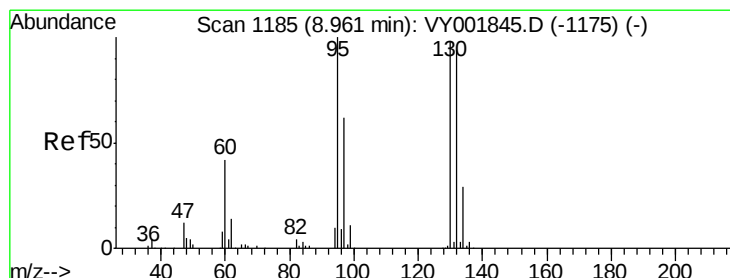
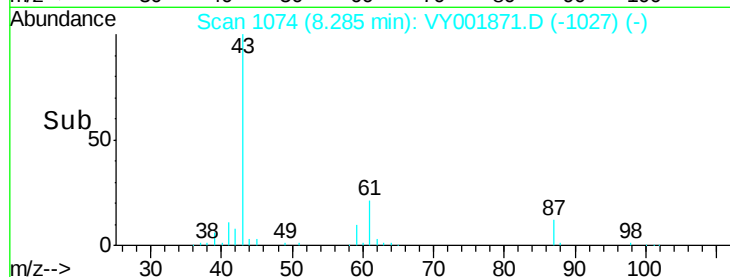
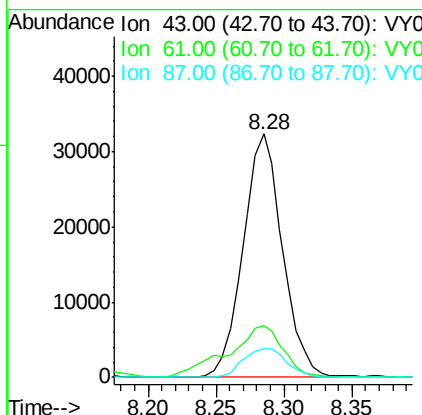
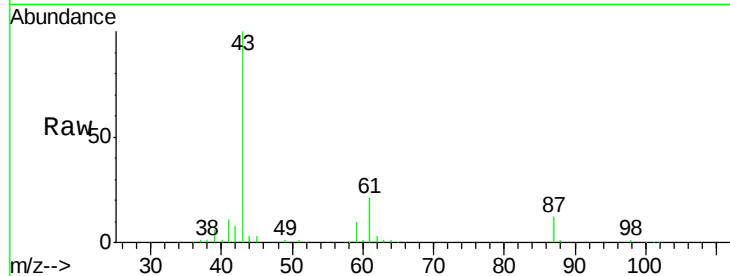
#43
Isopropyl Acetate
Concen: 19.456 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.6	23.8	35.6
87	13.0	10.9	16.3

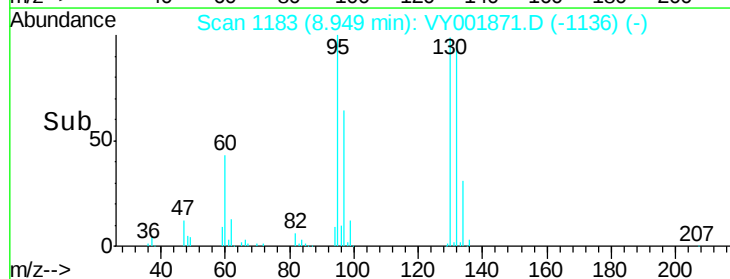
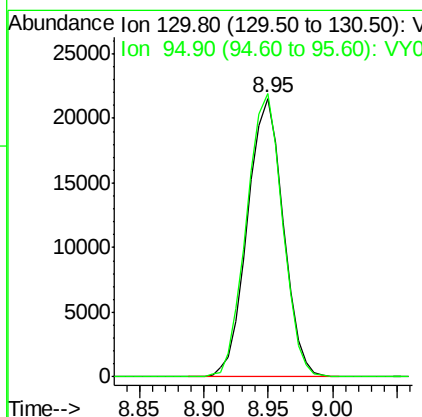
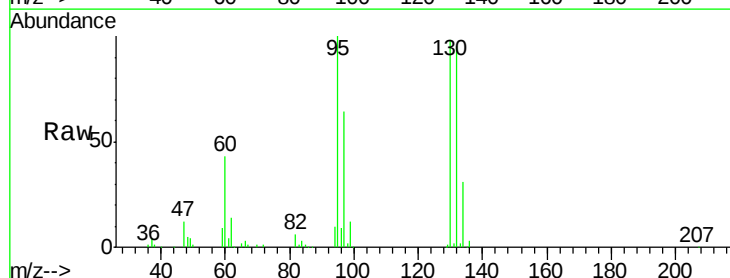
Manual Integrations
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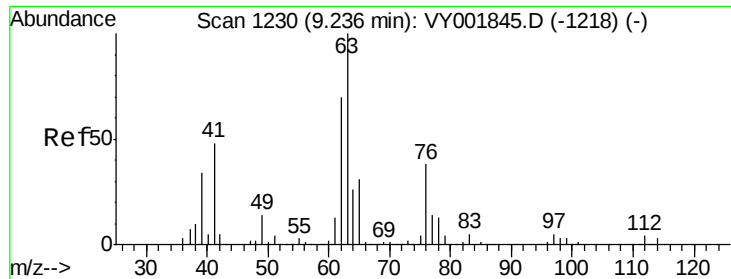
MMDadoda
3/6/2020 11:16:49 AM



#44
Trichloroethene
Concen: 18.731 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	204.6





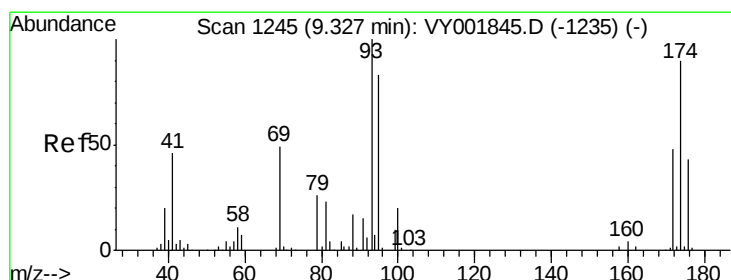
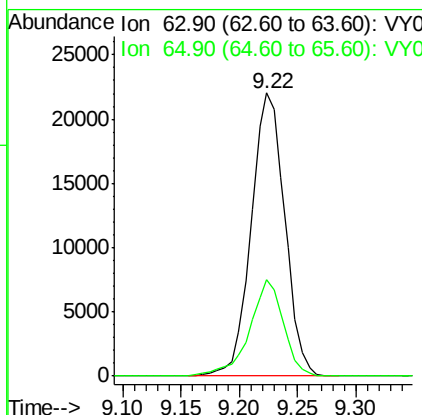
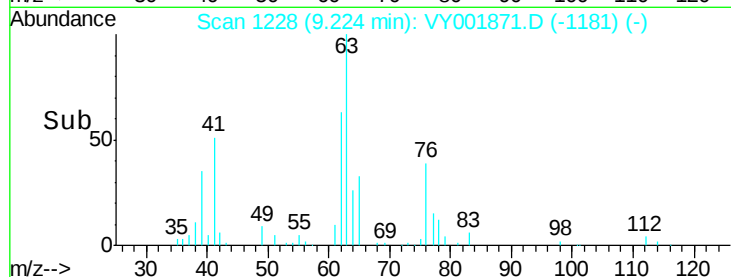
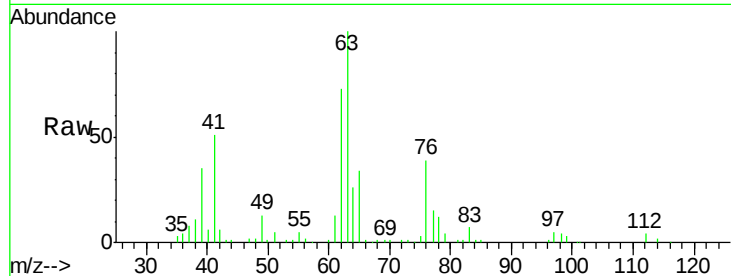
#45
 1,2-Dichloropropane
 Concen: 19.409 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY001871.D
 Acq: 05 Mar 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0305SBS01

Tot Ion: 63 Resp: 44283
 Ion Ratio Lower Upper
 63 100
 65 34.2 24.9 37.3

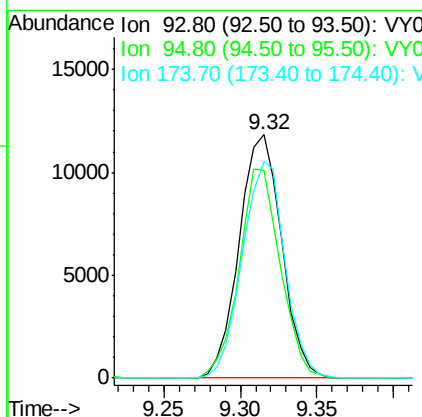
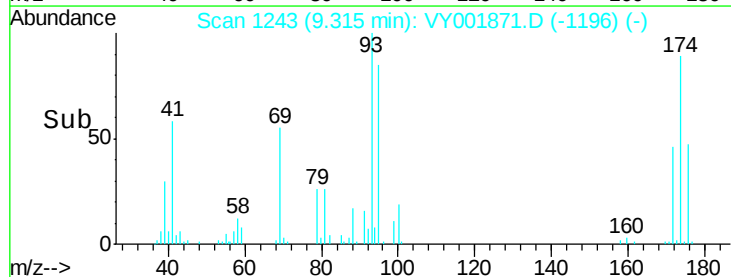
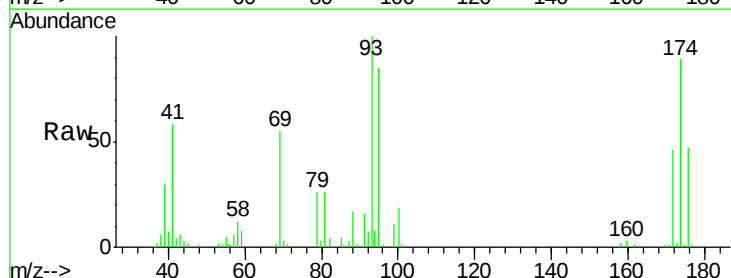
Manual Integrations
 APPROVED

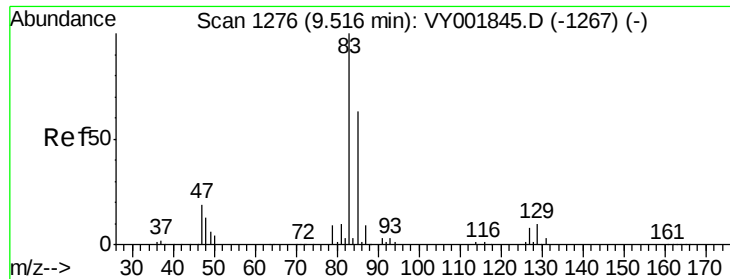
MMDadoda
 3/6/2020 11:16:49 AM



#46
 Dibromomethane
 Concen: 19.446 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY001871.D
 Acq: 05 Mar 2020 11:16

Tgt Ion: 93 Resp: 22864
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.0 100.4
 174 89.0 71.8 107.8





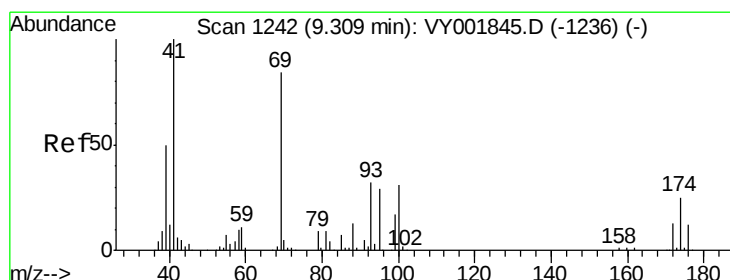
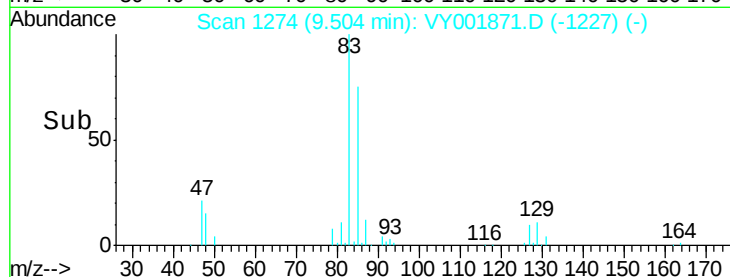
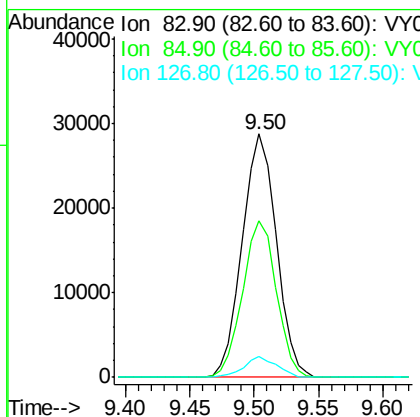
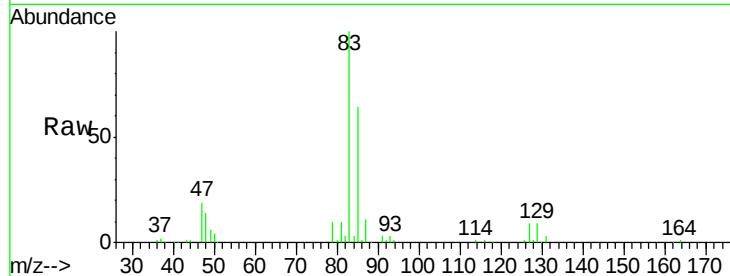
#47
Bromodichloromethane
Concen: 19.307 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Instrument :
MSVOA_Y
ClientSampled :
VY0305SBS01

Tot Ion	83	Resp	52806
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	50.6	76.0
127	8.6	6.2	9.4

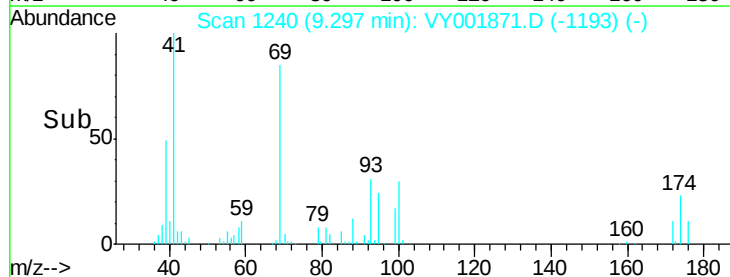
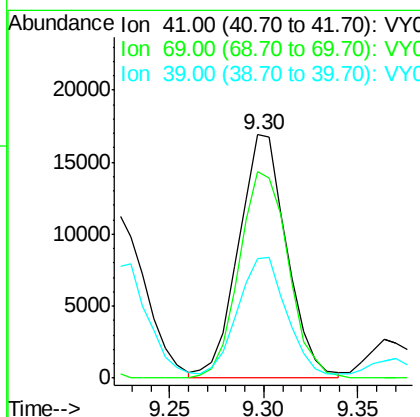
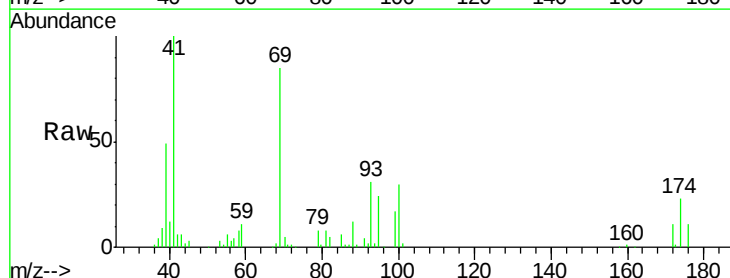
Manual Integrations
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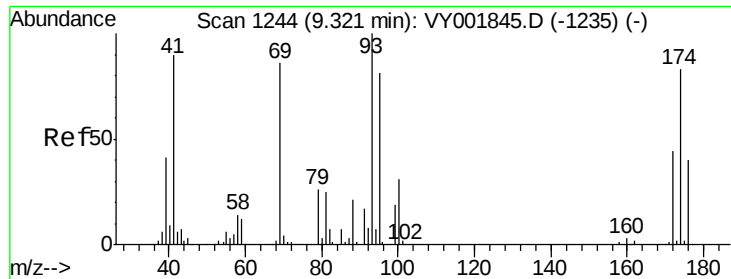
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3/6/2020 11:16:49 AM



#48
Methyl methacrylate
Concen: 20.173 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Tgt Ion	41	Resp	30161
Ion Ratio	100	Lower	Upper
41	100		
69	86.2	69.0	103.6
39	51.2	39.1	58.7





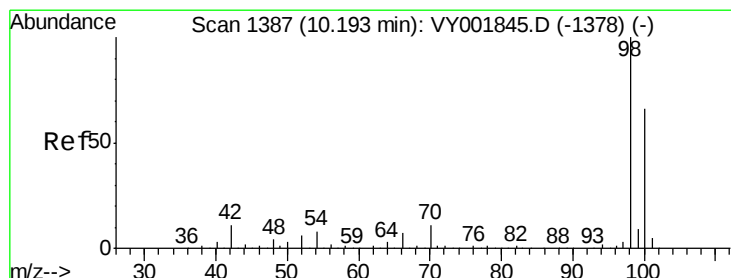
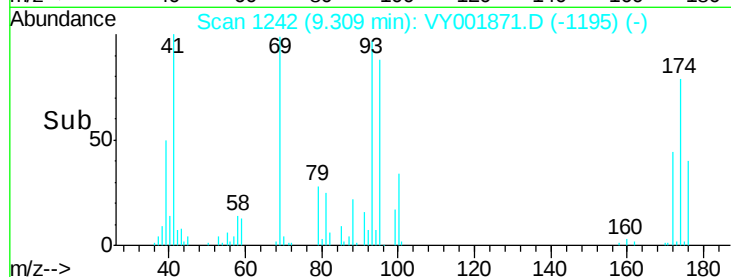
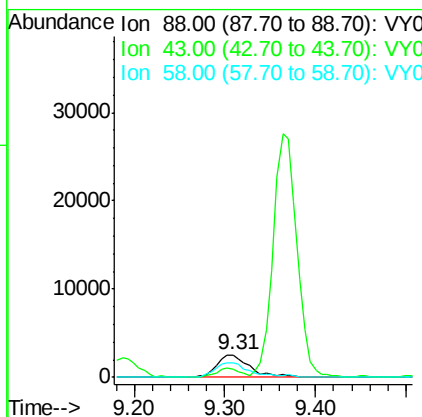
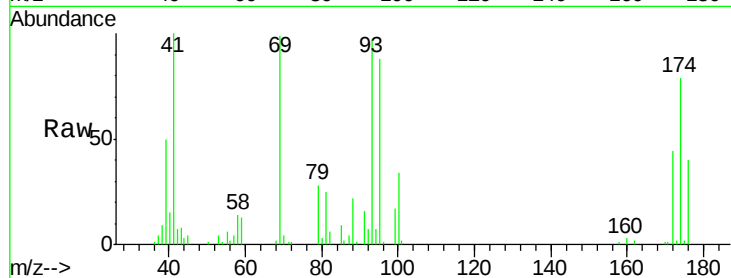
#49
1,4-Dioxane
Concen: 410.595 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.5	25.0	37.6
58	69.5	58.9	88.3

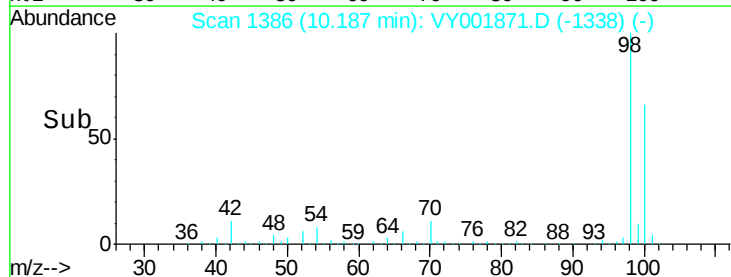
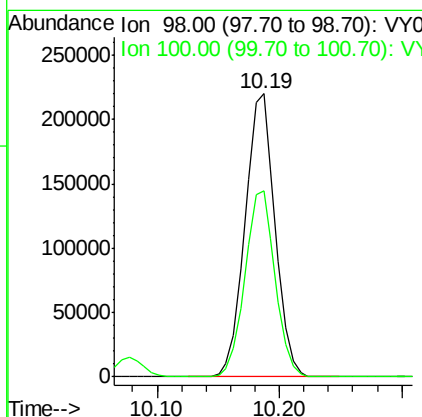
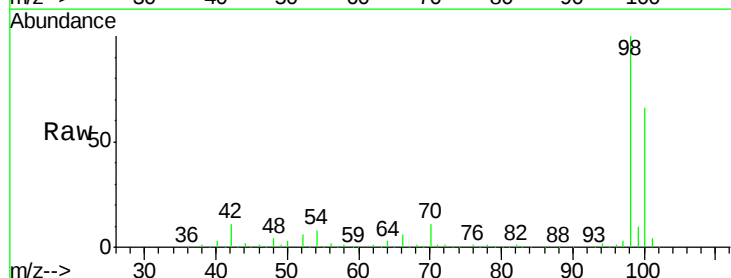
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#50
Toluene-d8
Concen: 51.058 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.0	79.4





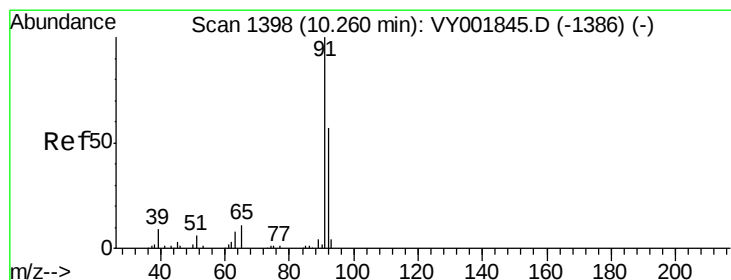
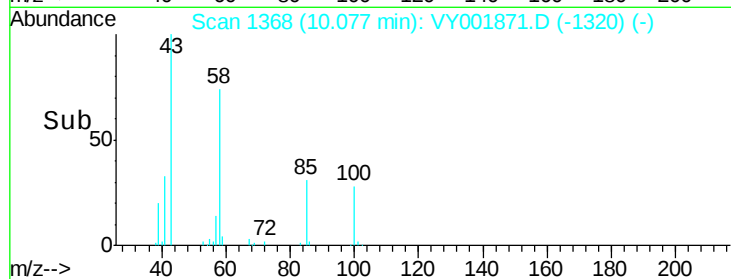
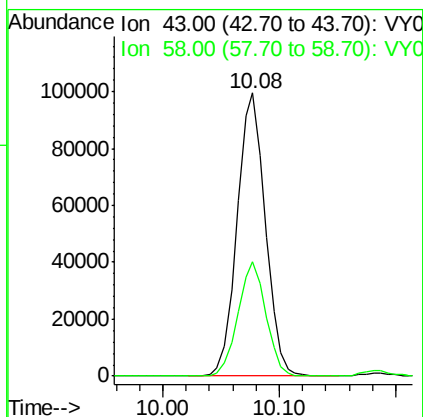
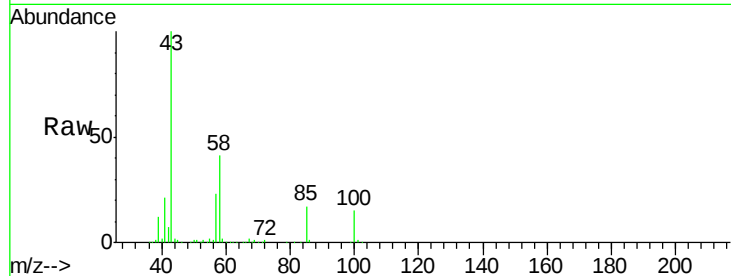
#51
4-Methyl-2-Pentanone
Concen: 96.703 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.2	32.0	48.0

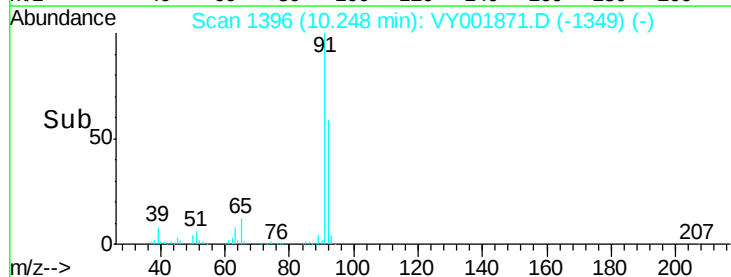
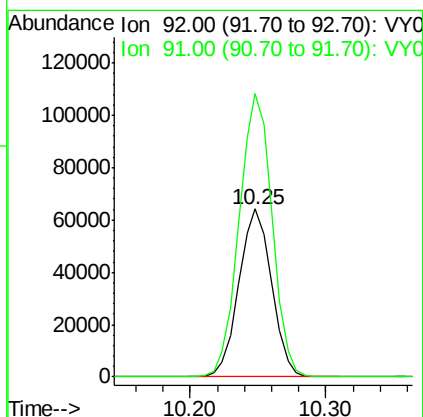
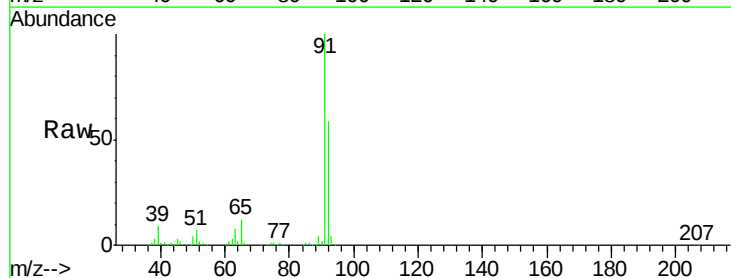
Manual Integrations
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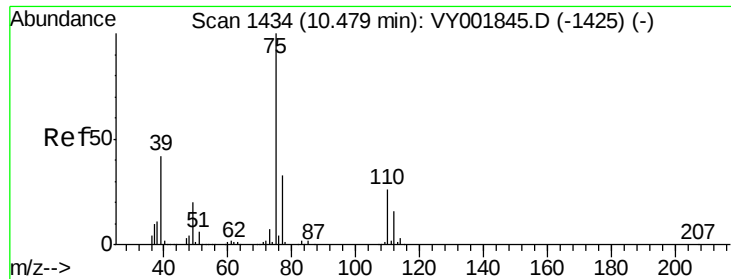
MMDadoda
3/6/2020 11:16:49 AM



#52
Toluene
Concen: 19.539 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.8	138.6	208.0





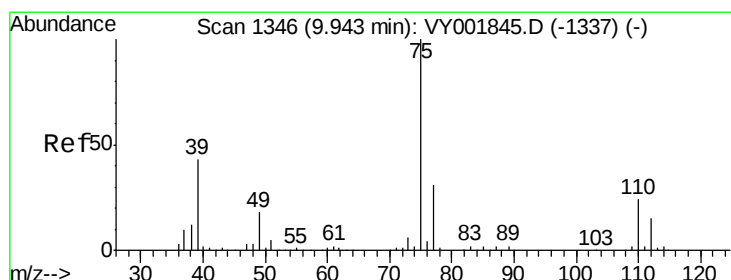
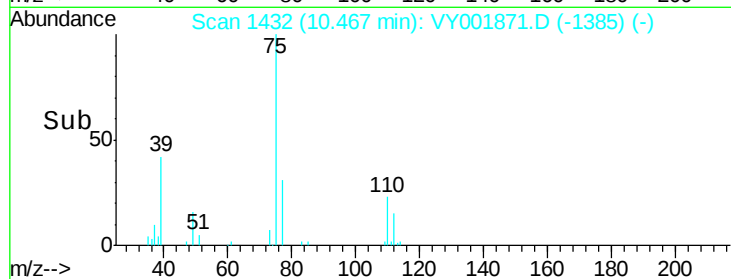
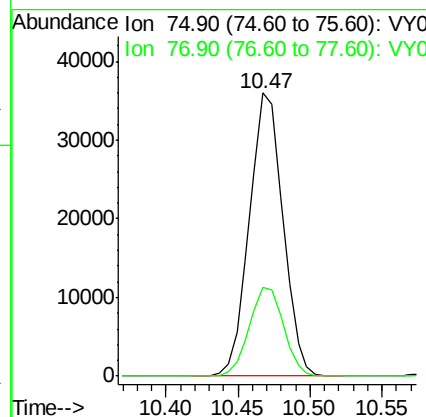
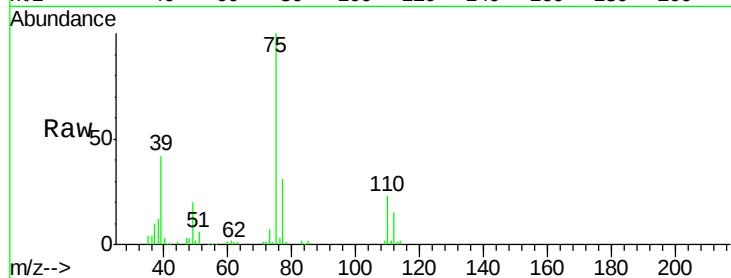
#53
 t-1,3-Dichloropropene
 Concen: 19.510 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: VY001871.D
 Acq: 05 Mar 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0305SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.3	39.5

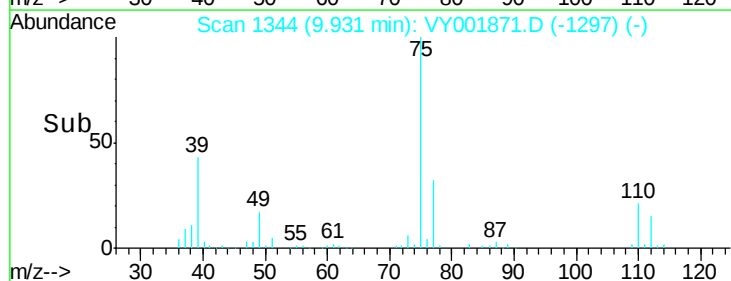
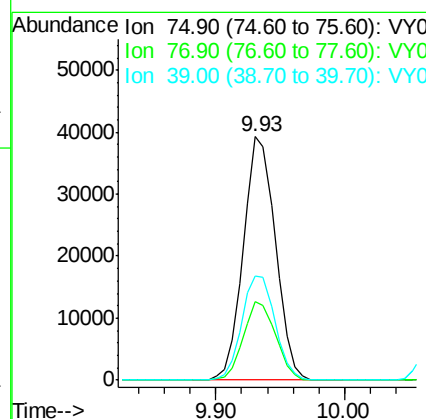
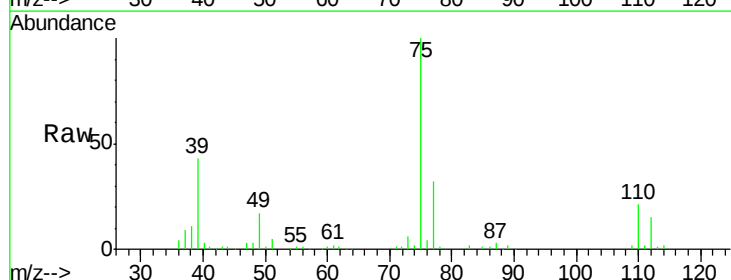
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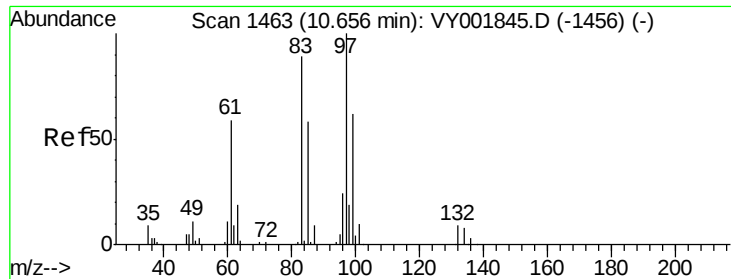
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#54
 cis-1,3-Dichloropropene
 Concen: 19.054 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: VY001871.D
 Acq: 05 Mar 2020 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.1	37.7
39	42.9	34.7	52.1





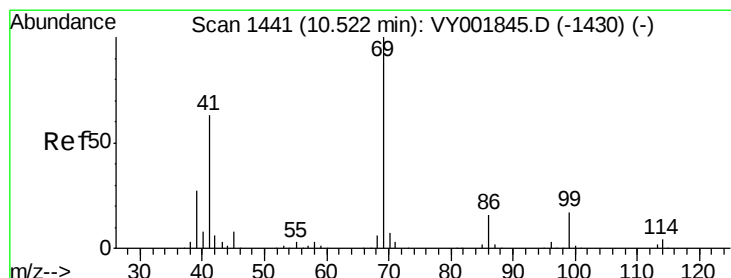
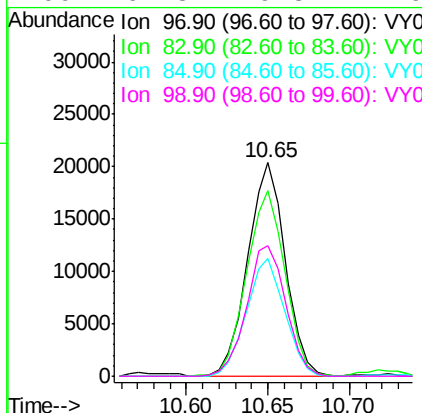
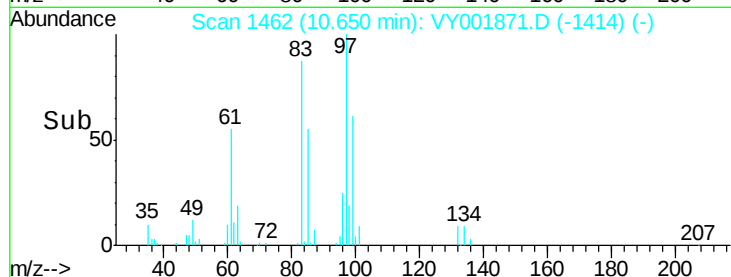
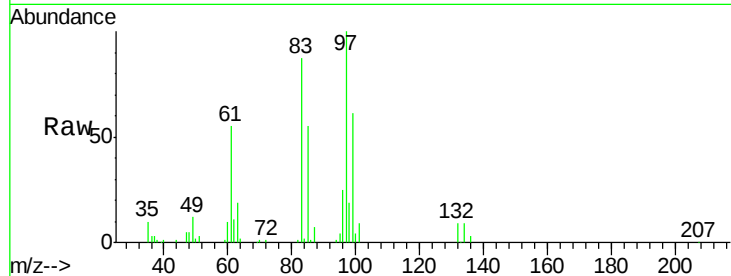
#55
1,1,2-Trichloroethane
Concen: 19.022 ug/l
RT: 10.65 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		32731		
83	86.7	71.6	107.4		
85	55.0	46.6	69.8		
99	61.3	49.8	74.6		

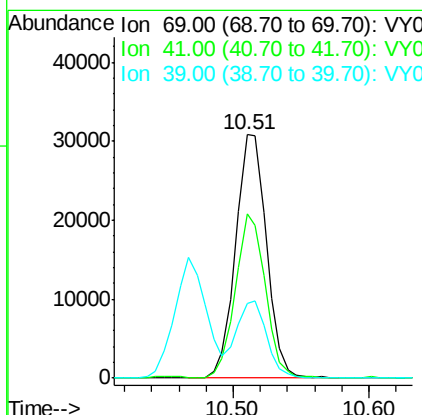
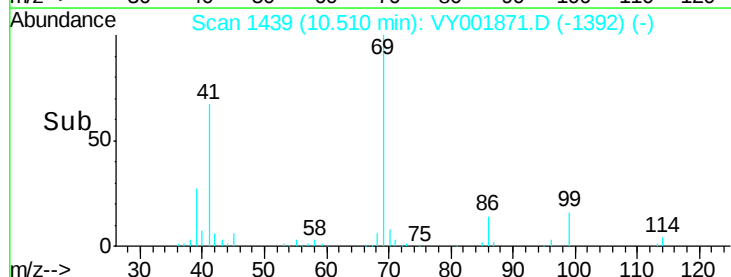
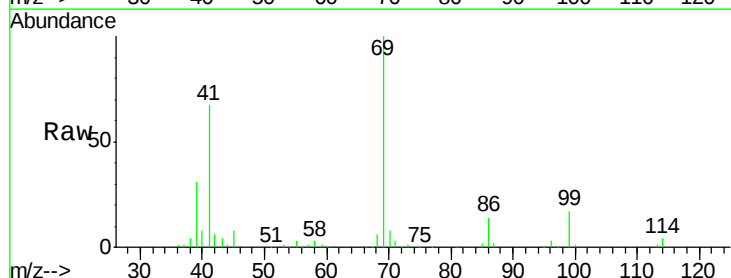
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#56
Ethyl methacrylate
Concen: 19.403 ug/l
RT: 10.51 min Scan# 1439
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		48936		
41	65.7	49.9	74.9		
39	30.7	23.0	34.6		





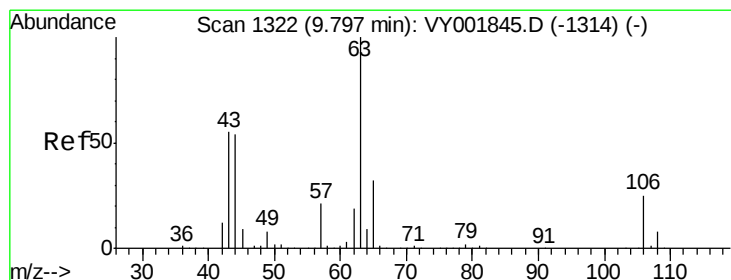
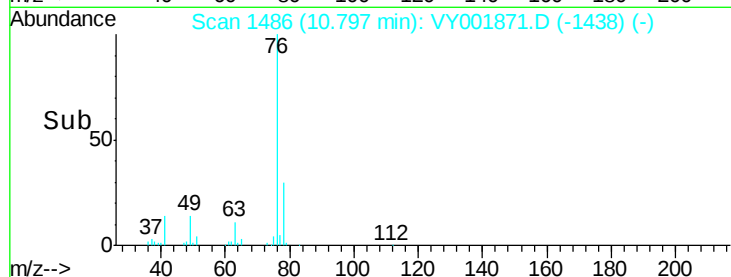
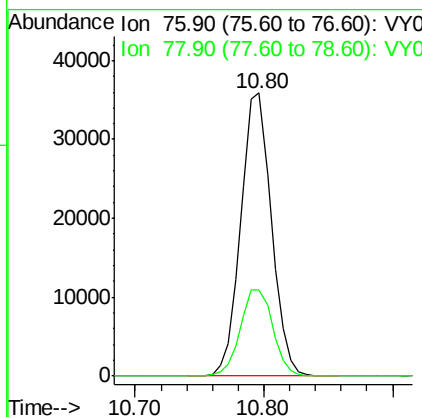
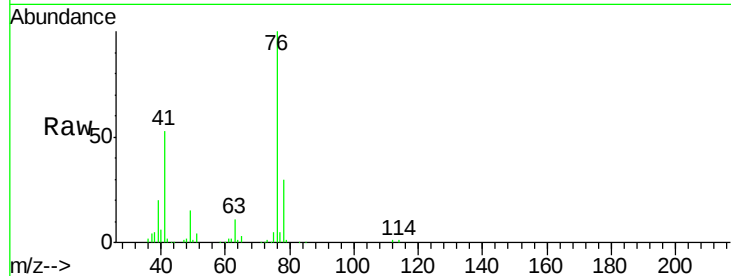
#57
 1,3-Dichloropropane
 Concen: 19.201 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VY001871.D
 Acq: 05 Mar 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0305SBS01

Tot Ion: 76 Resp: 58893
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6

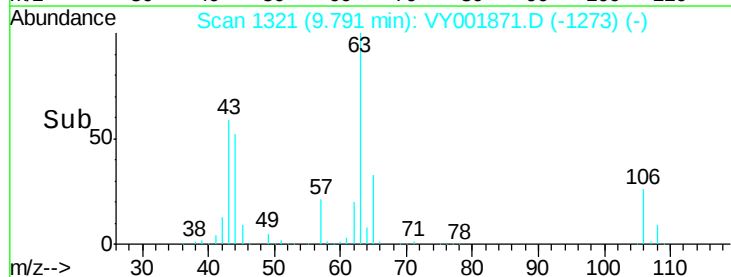
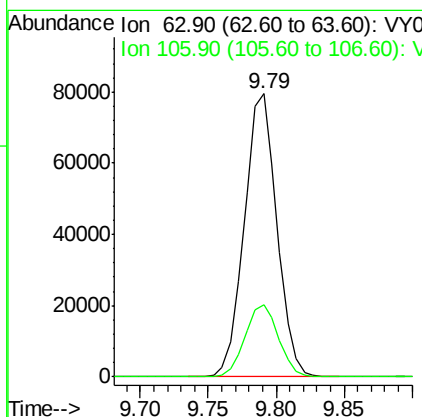
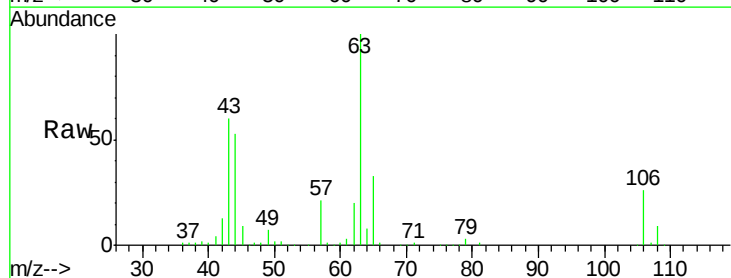
Manual Integrations
 APPROVED

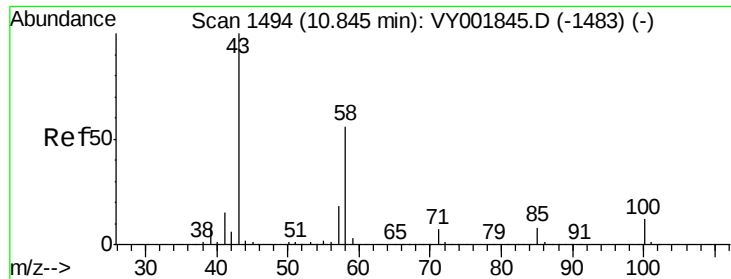
MMDadoda
 3/6/2020 11:16:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 136.456 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY001871.D
 Acq: 05 Mar 2020 11:16

Tgt Ion: 63 Resp: 133183
 Ion Ratio Lower Upper
 63 100
 106 26.3 21.3 31.9





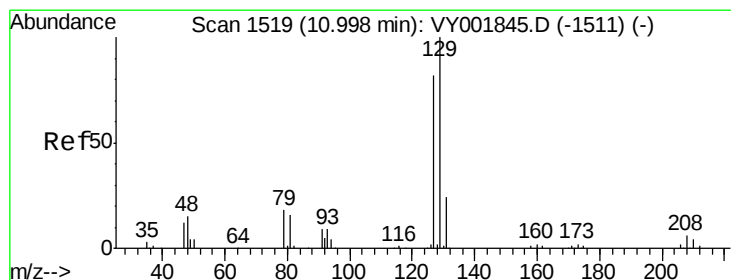
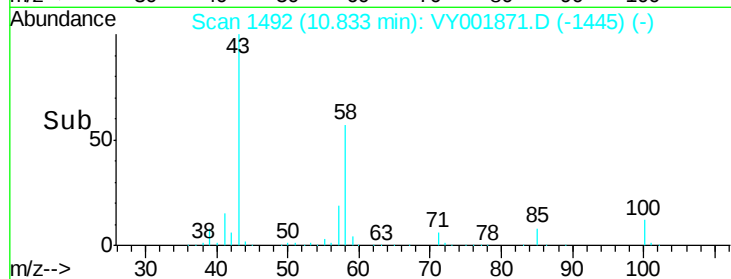
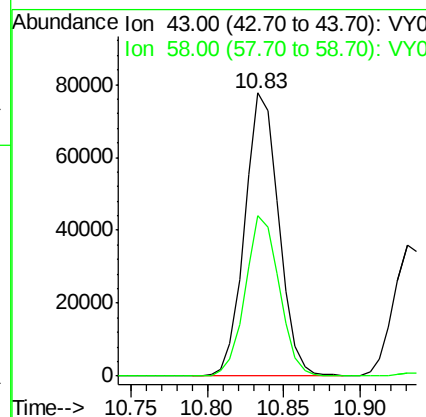
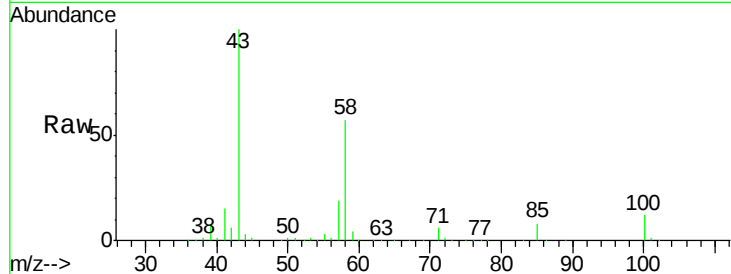
#59
2-Hexanone
Concen: 97.086 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	43	Resp	120265
Ion Ratio	100	Lower	Upper
58	56.5	28.1	84.3

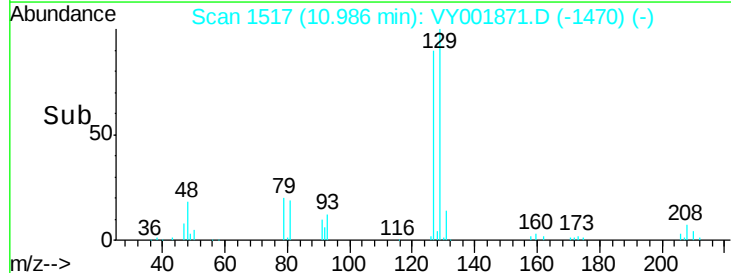
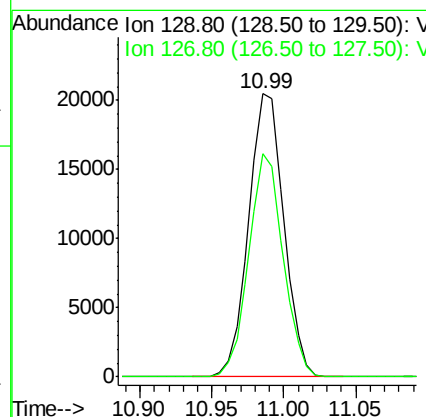
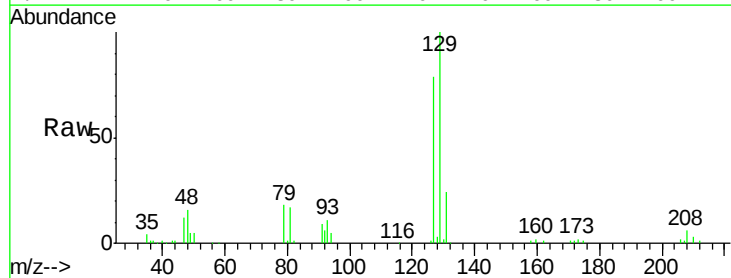
Manual Integrations
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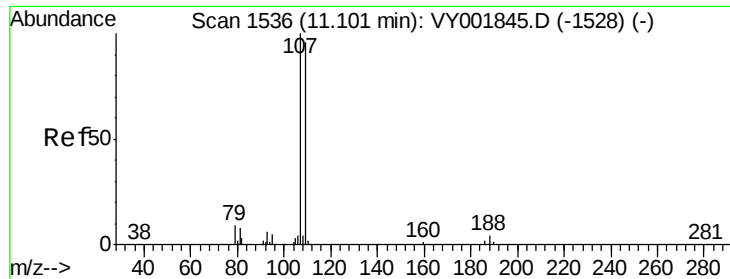
MMDadoda
3/6/2020 11:16:49 AM



#60
Dibromochloromethane
Concen: 19.055 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Tgt Ion	129	Resp	34549
Ion Ratio	100	Lower	Upper
127	76.9	39.0	117.0





#61

1,2-Dibromoethane

Concen: 19.139 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0305SBS01

Tot Ion: 107 Resp: 31195

Ion Ratio Lower Upper

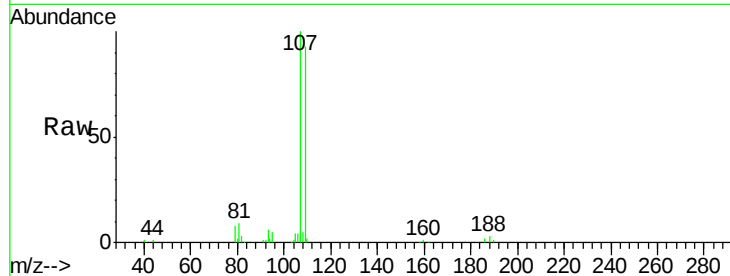
107 100

109 95.9 75.4 113.0

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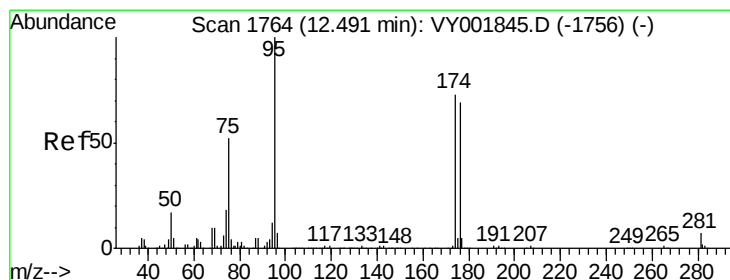
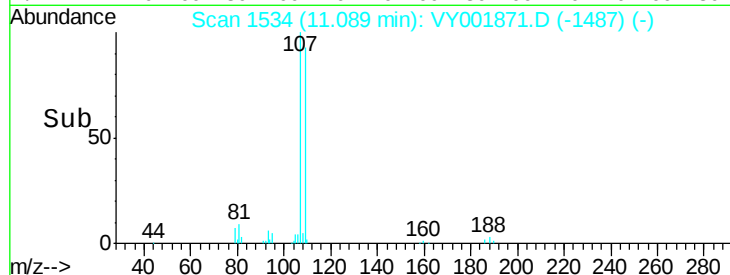
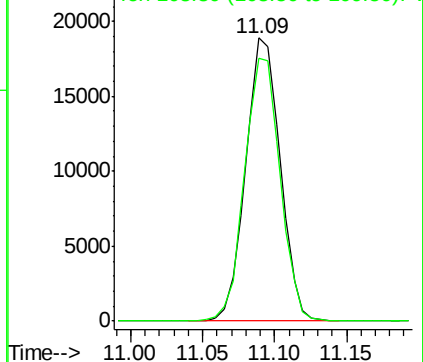
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.804 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

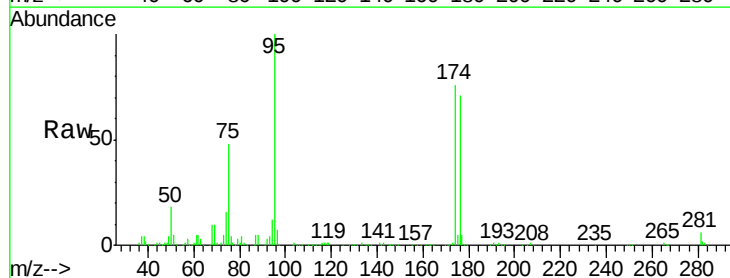
Tgt Ion: 95 Resp: 129432

Ion Ratio Lower Upper

95 100

174 72.3 0.0 145.0

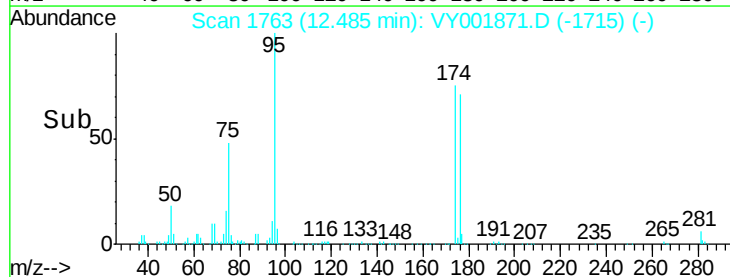
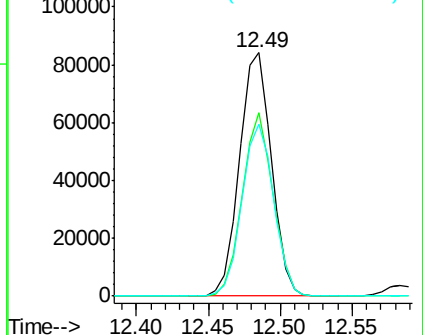
176 70.1 0.0 137.4

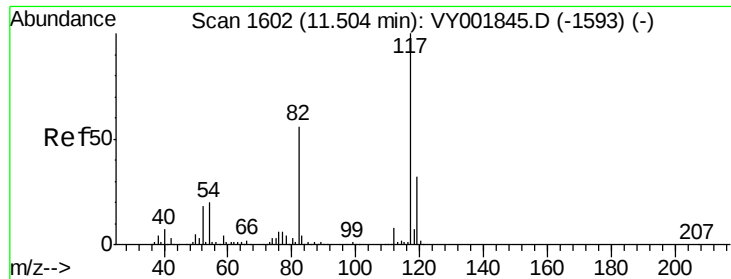


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





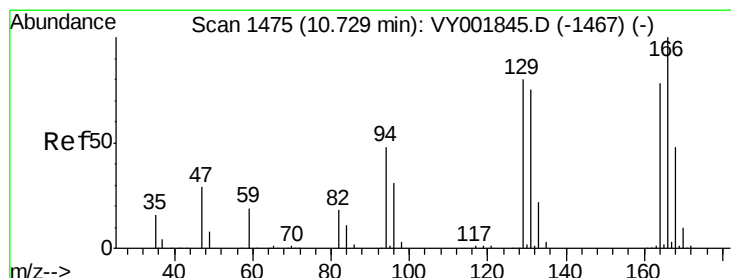
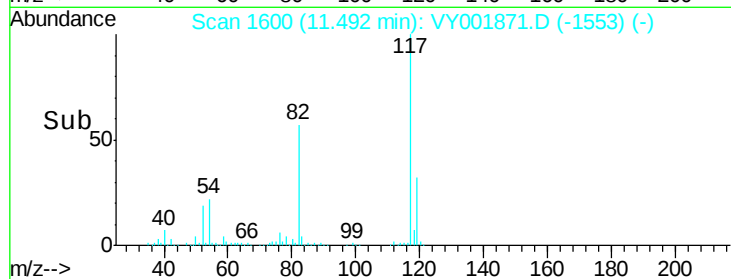
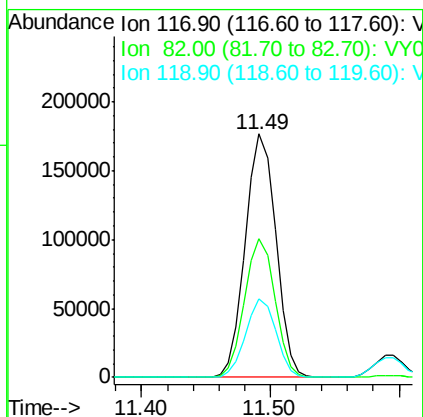
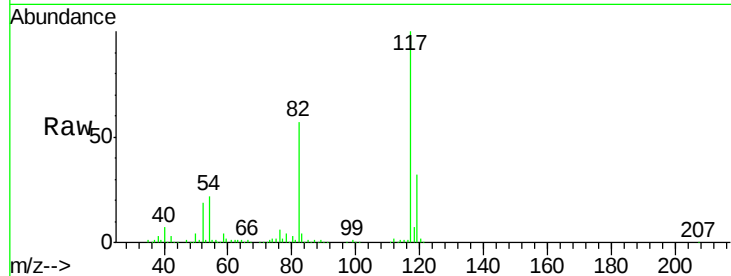
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	289787		
82	57.1	44.5	66.7	
119	32.4	25.7	38.5	

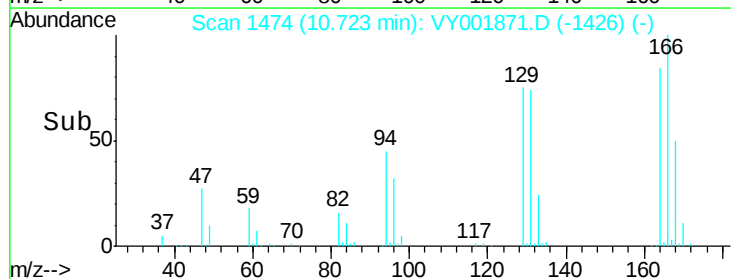
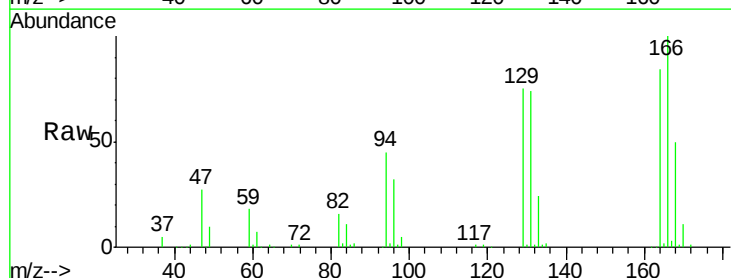
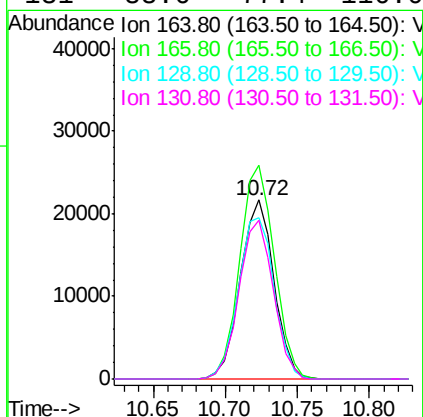
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#64
Tetrachloroethene
Concen: 19.289 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	35054		
166	119.5	102.6	154.0	
129	90.2	82.3	123.5	
131	88.6	77.4	116.0	





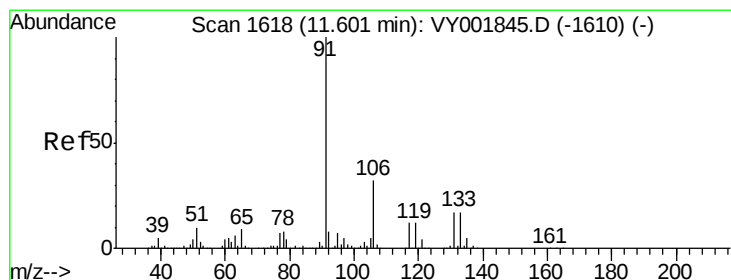
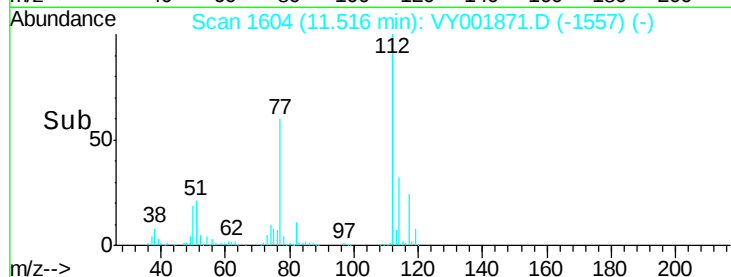
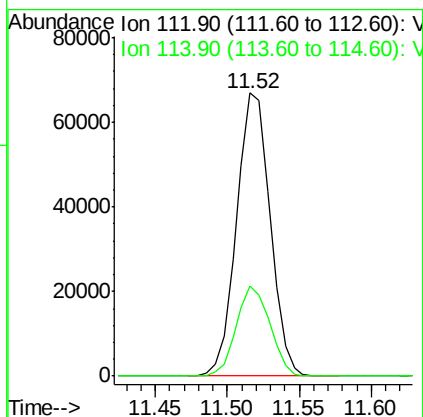
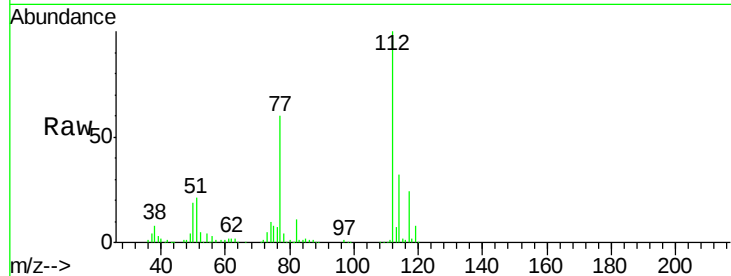
#65
Chlorobenzene
Concen: 18.822 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.9	38.9

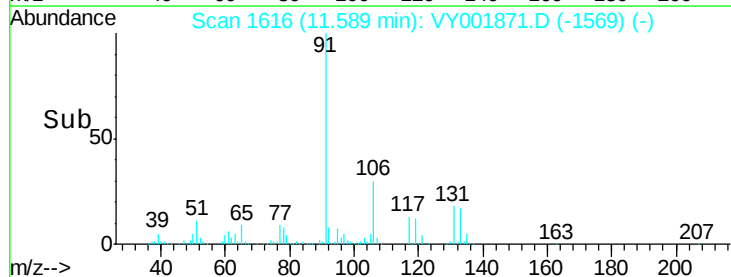
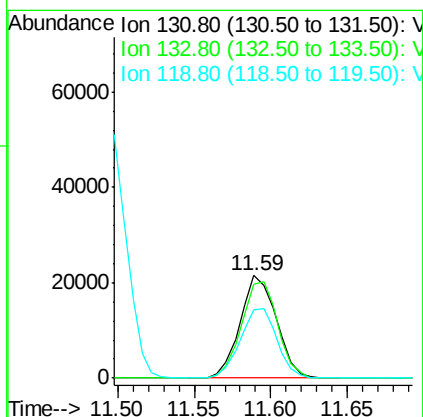
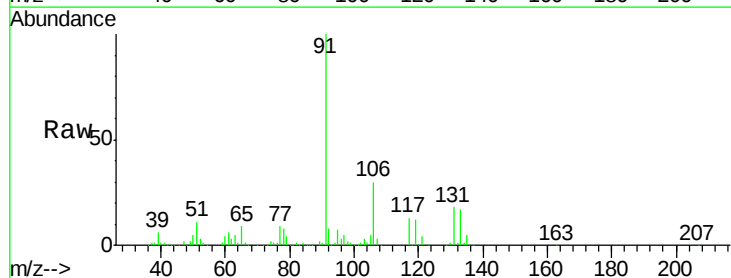
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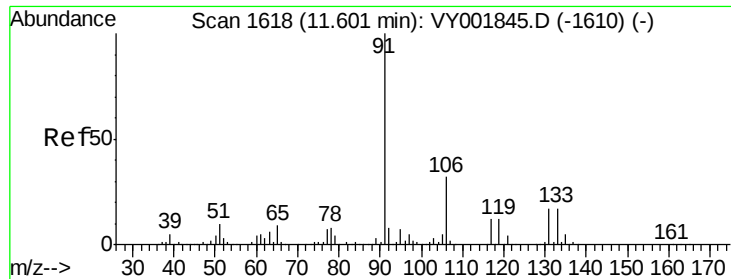
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.691 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.1	141.3
119	68.6	34.5	103.6





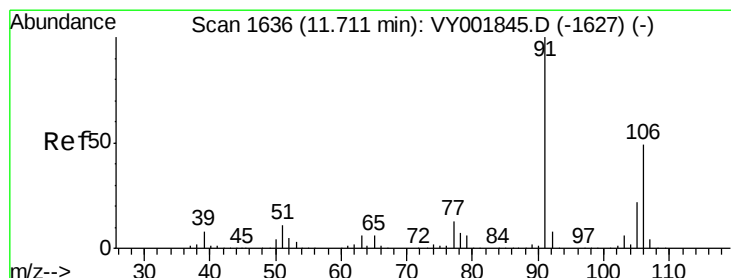
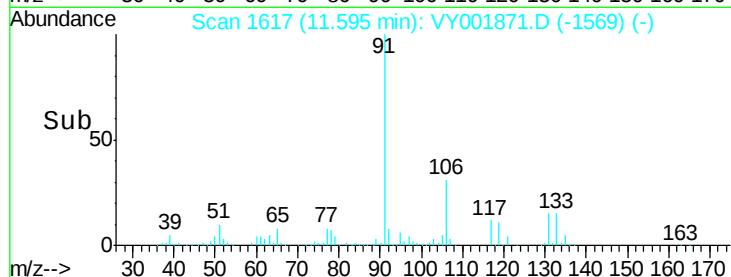
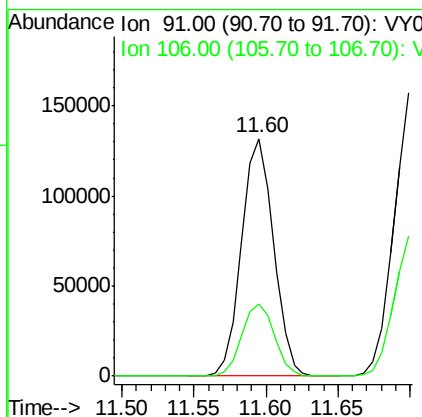
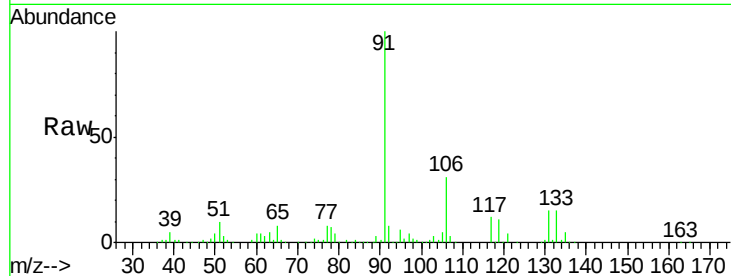
#67
Ethyl Benzene
Concen: 18.915 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBSD01

Tot Ion: 91 Resp: 203688
Ion Ratio Lower Upper
91 100
106 30.5 25.4 38.2

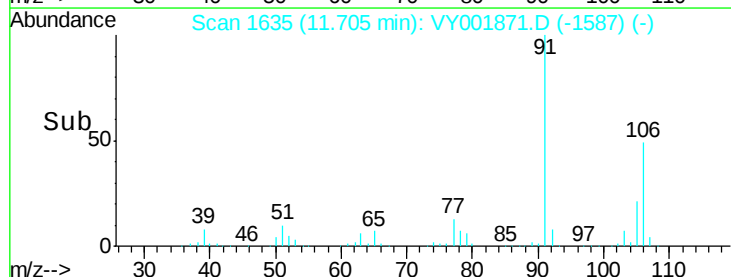
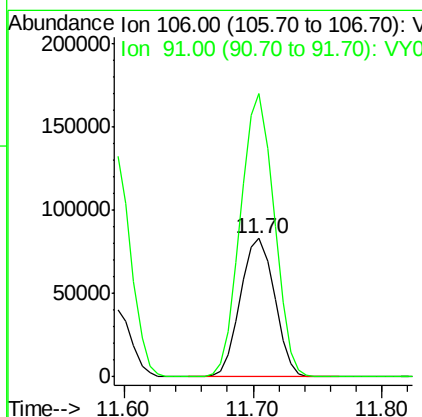
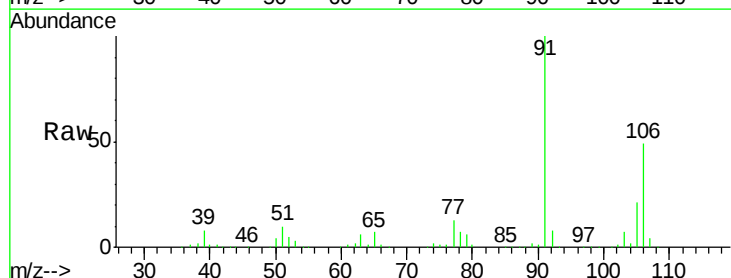
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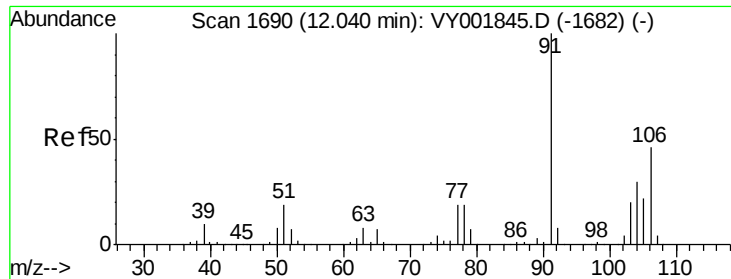
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#68
m/p-Xylenes
Concen: 38.527 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Tgt Ion: 106 Resp: 153386
Ion Ratio Lower Upper
106 100
91 200.3 161.3 241.9





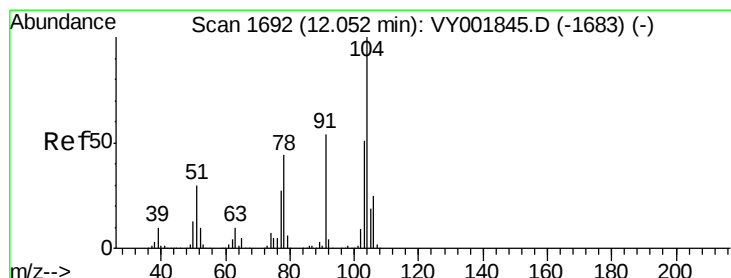
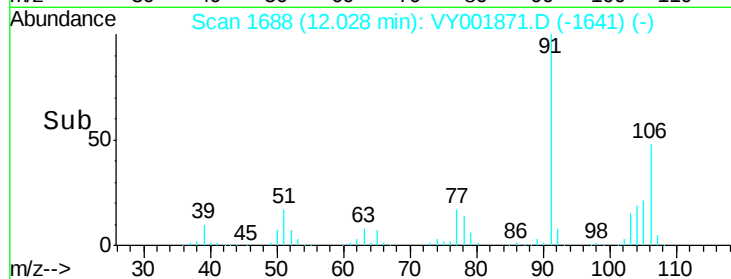
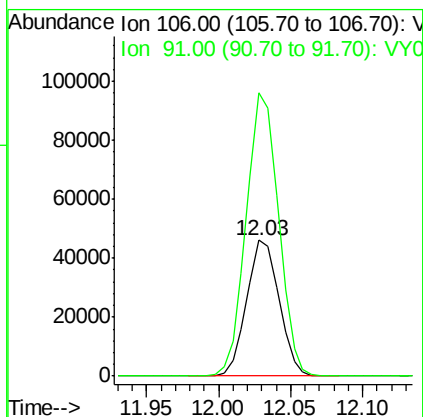
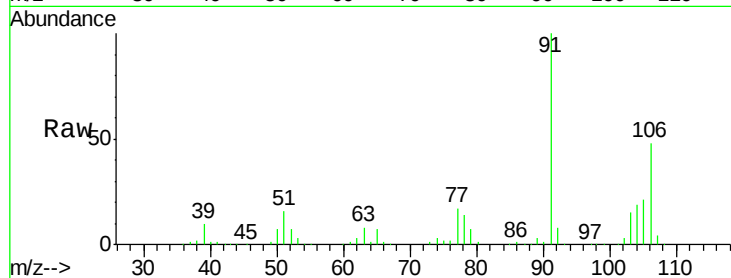
#69
o-Xylene
Concen: 19.108 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion:106 Resp: 71702
Ion Ratio Lower Upper
106 100
91 208.5 106.8 320.4

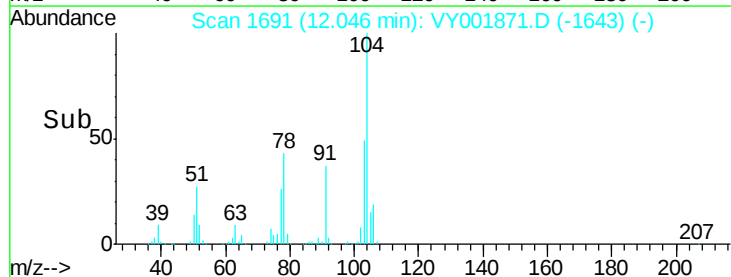
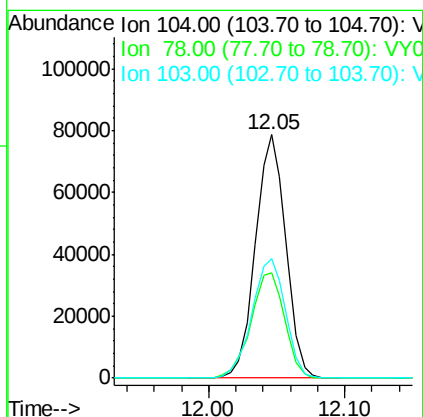
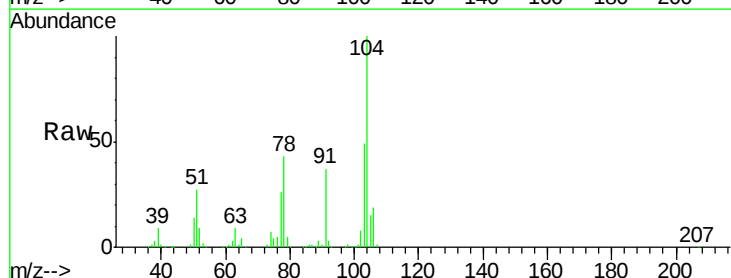
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#70
Styrene
Concen: 19.196 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Tgt Ion:104 Resp: 123375
Ion Ratio Lower Upper
104 100
78 48.4 38.5 57.7
103 54.0 42.9 64.3





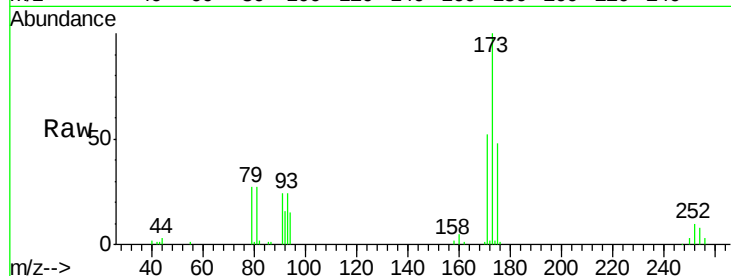
#71
Bromoform
Concen: 18.662 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.3	72.8
254	0.0	0.0	0.0

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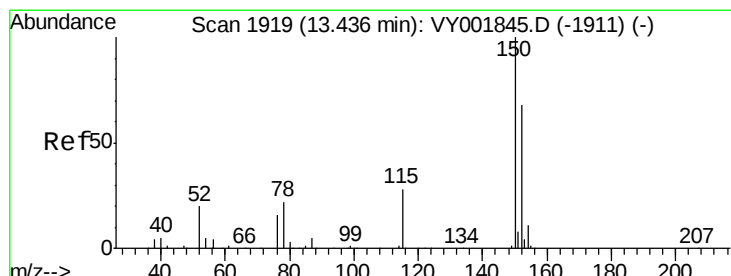
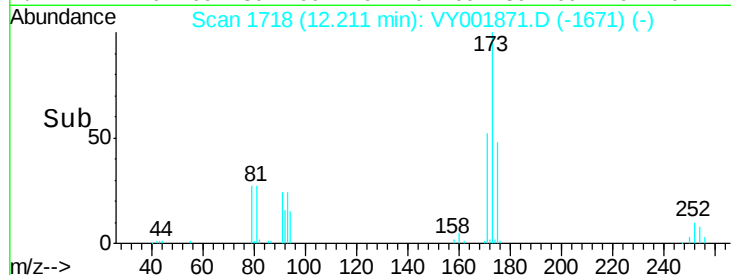
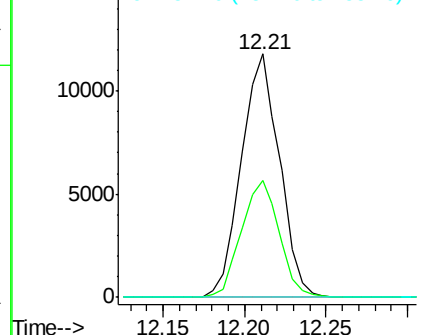


Abundance

Ion 172.70 (172.40 to 173.40): V

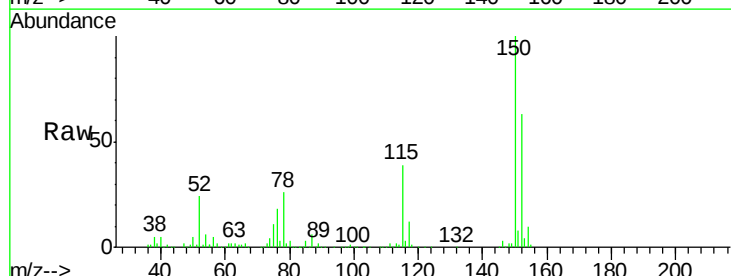
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	29.9	89.7
150	164.7	0.0	340.6

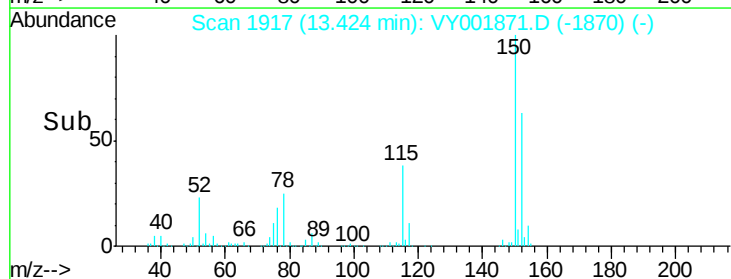
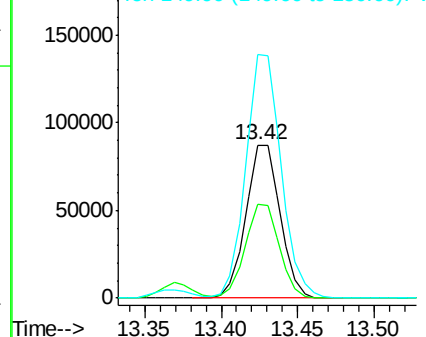


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





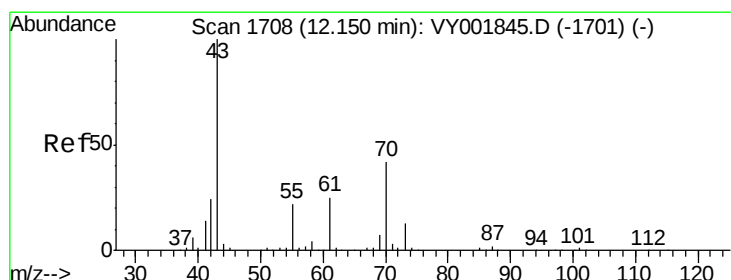
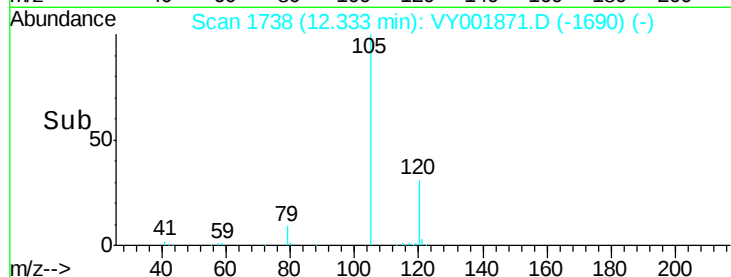
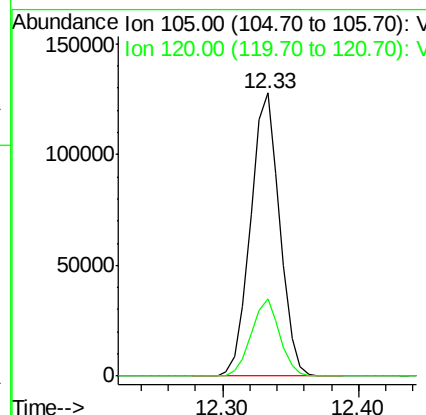
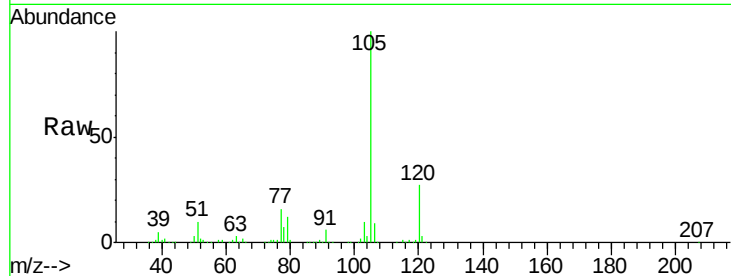
#73
Isopropylbenzene
Concen: 18.459 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.1	39.3

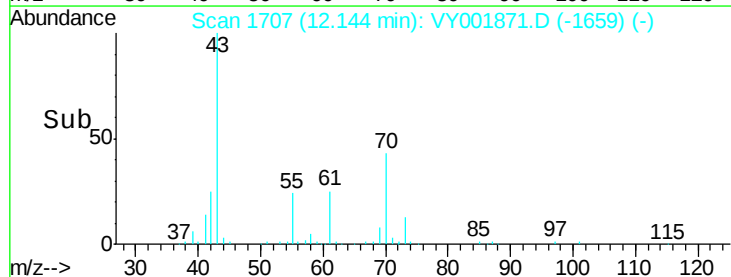
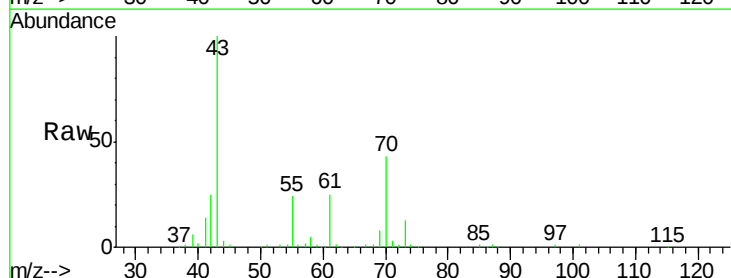
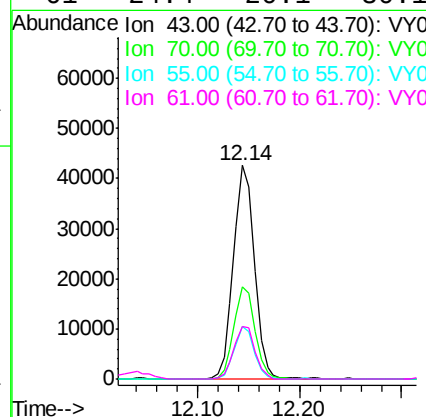
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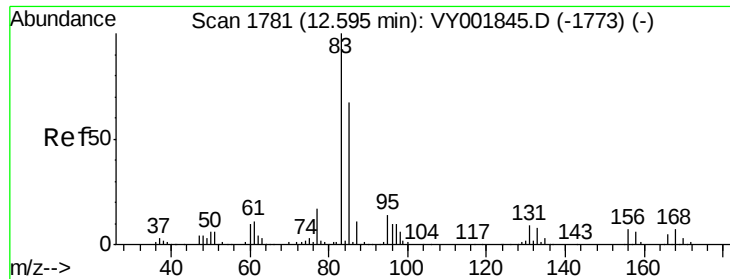
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#74
N-ethyl acetate
Concen: 19.094 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.2	34.7	52.1
55	23.4	18.2	27.4
61	24.4	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.125 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

Instrument :

MSVOA_Y

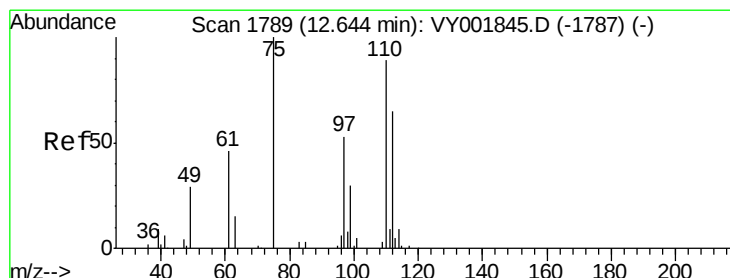
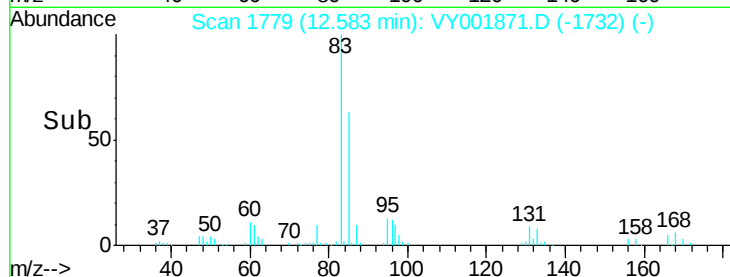
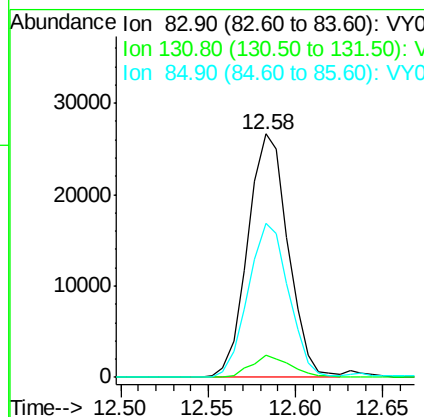
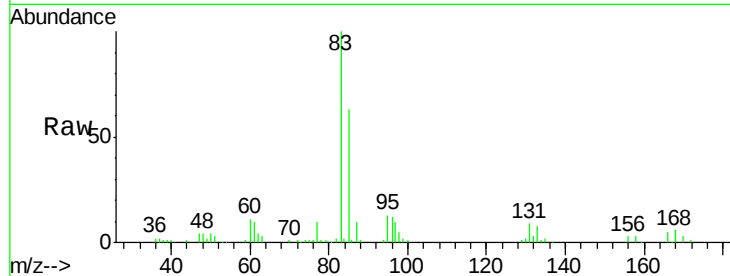
ClientSampleId :

VY0305SBS01

Tot Ion:	83	Resp:	42673
Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.6	13.8
85	63.8	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.455 ug/l m

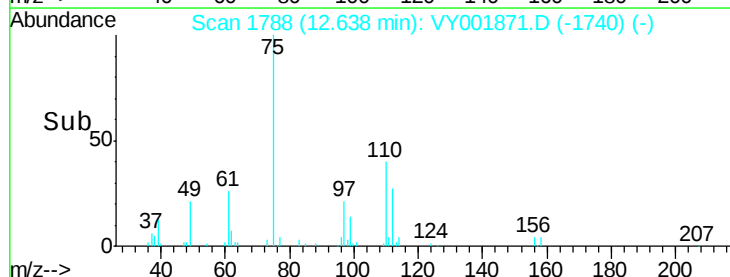
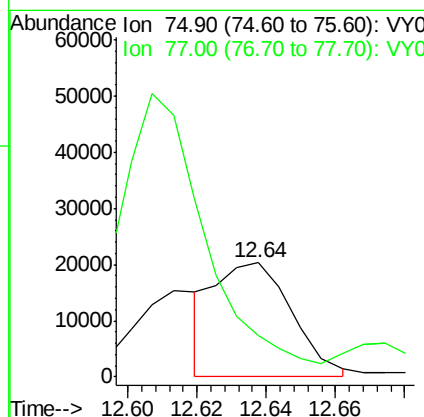
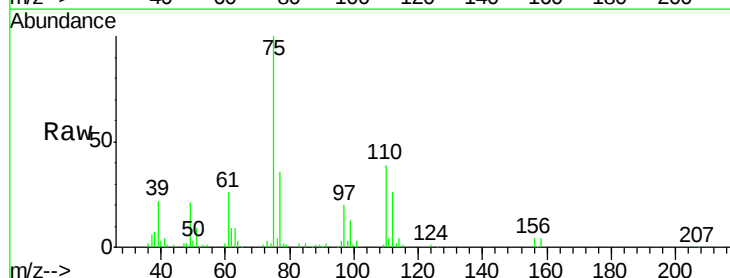
RT: 12.64 min Scan# 1788

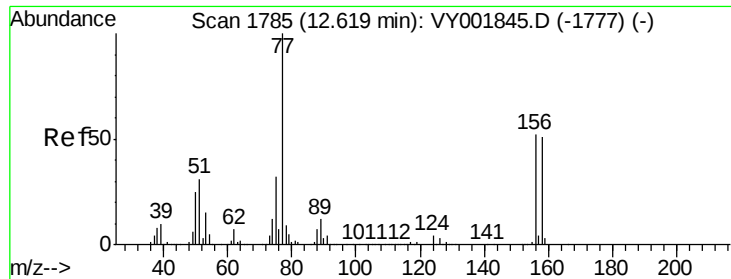
Delta R.T. -0.01 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

Tgt Ion:	75	Resp:	31289
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





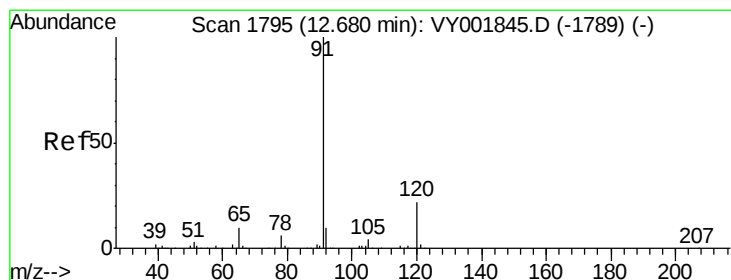
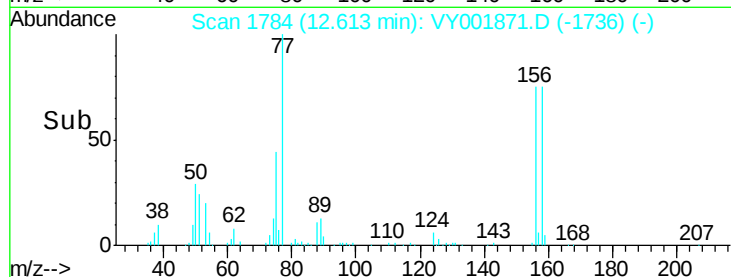
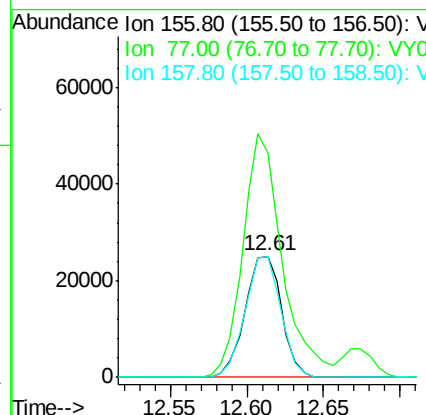
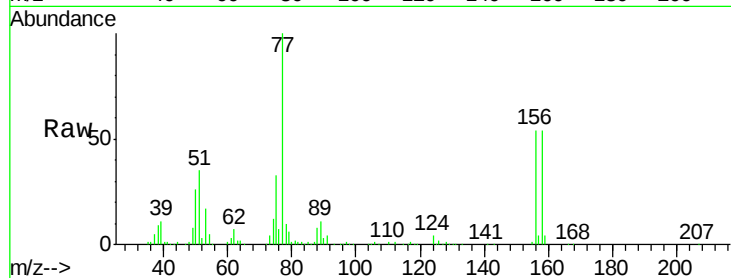
#77
Bromobenzene
Concen: 18.907 ug/l
RT: 12.61 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	217.3	109.0	327.0
158	98.0	48.9	146.8

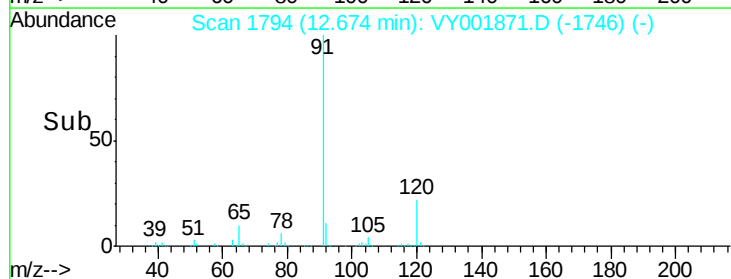
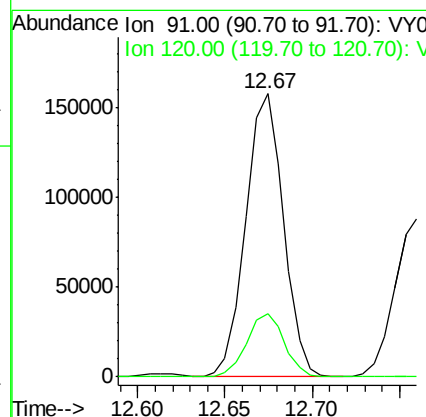
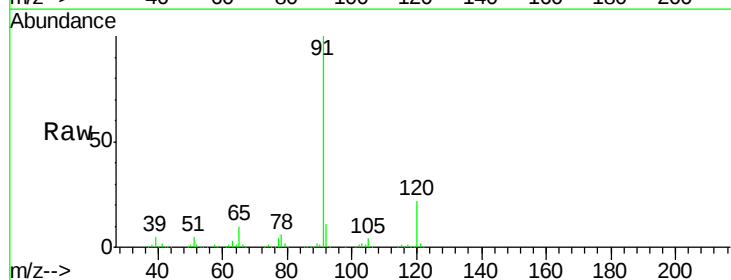
Manual Integrations
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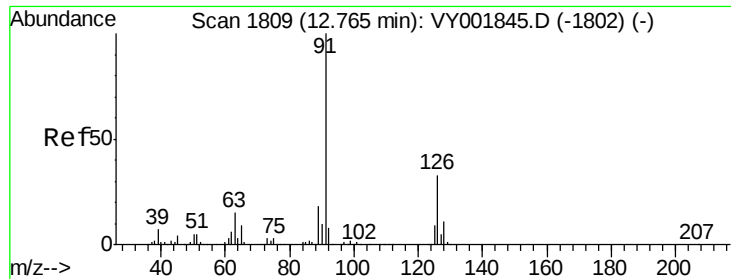
MMDadoda
3/6/2020 11:16:49 AM



#78
n-propylbenzene
Concen: 18.488 ug/l
RT: 12.67 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.0	33.0





#79

2-Chlorotoluene

Concen: 18.703 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0305SBS01

Tot Ion: 91 Resp: 131900

Ion Ratio Lower Upper

91 100

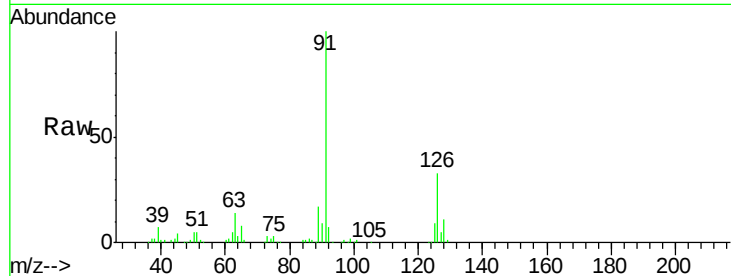
126 33.2 16.3 48.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY001845.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY001845.D (-1802) (-)

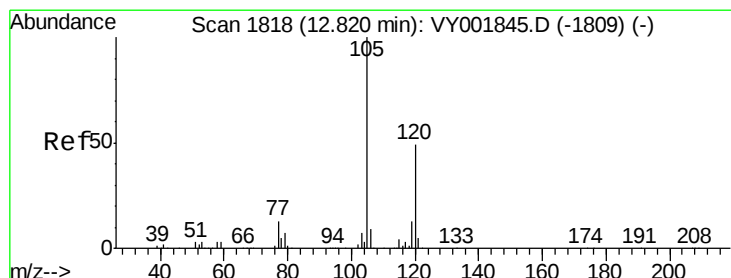
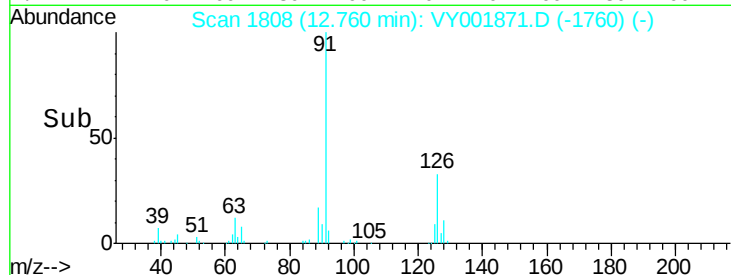
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.686 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001871.D

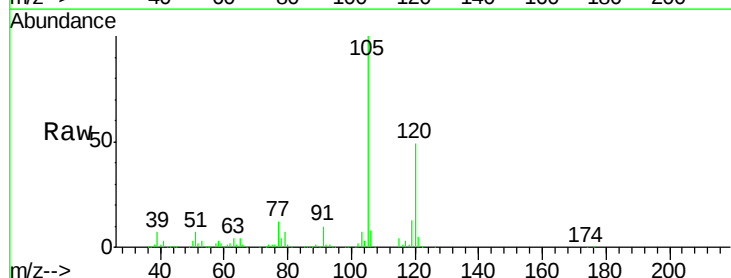
Acq: 05 Mar 2020 11:16

Tgt Ion: 105 Resp: 159164

Ion Ratio Lower Upper

105 100

120 48.6 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VY001845.D (-1809) (-)

Ion 120.00 (119.70 to 120.70): VY001845.D (-1809) (-)

120000

100000

80000

60000

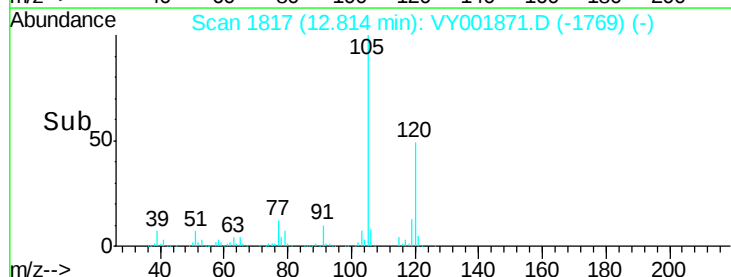
40000

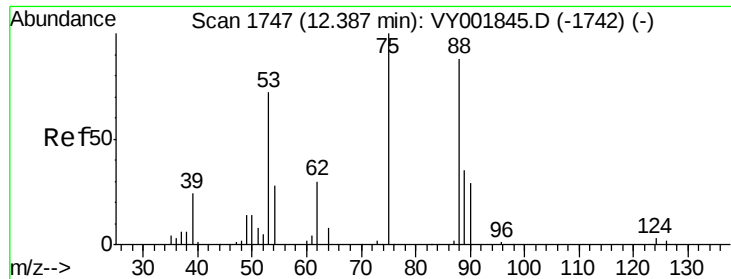
20000

0

12.75 12.80 12.85

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.908 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0305SBSD01

Tot Ion: 75 Resp: 14258

Ion Ratio Lower Upper

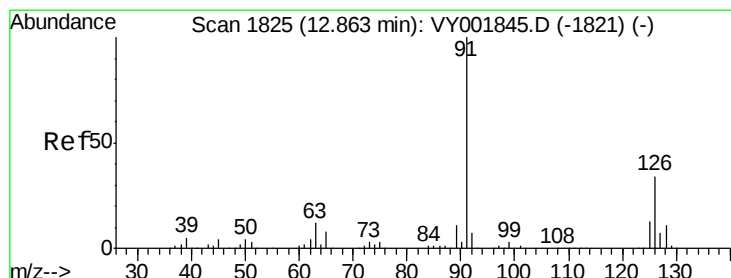
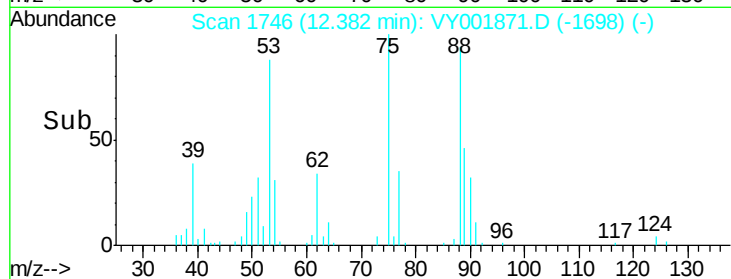
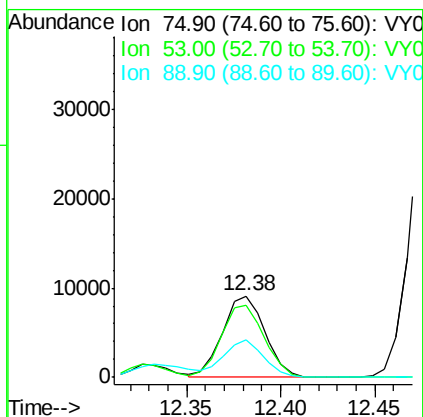
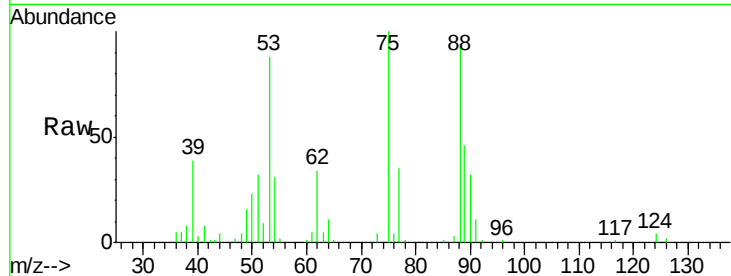
75 100

53 89.6 65.4 98.0

89 43.1 36.0 54.0

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#82

4-Chlorotoluene

Concen: 18.757 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VY001871.D

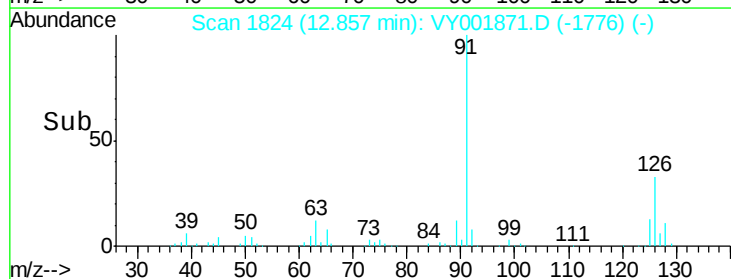
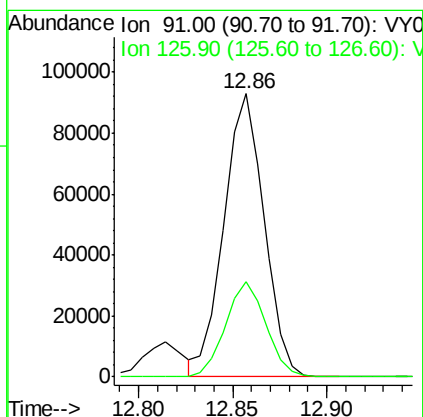
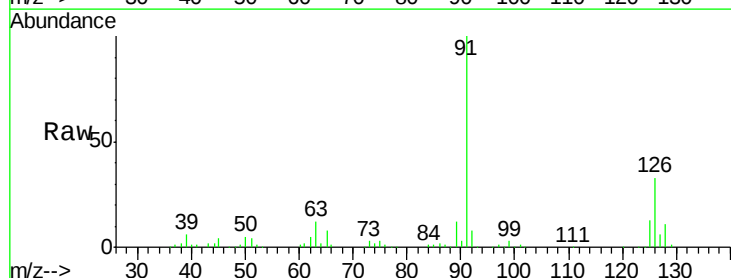
Acq: 05 Mar 2020 11:16

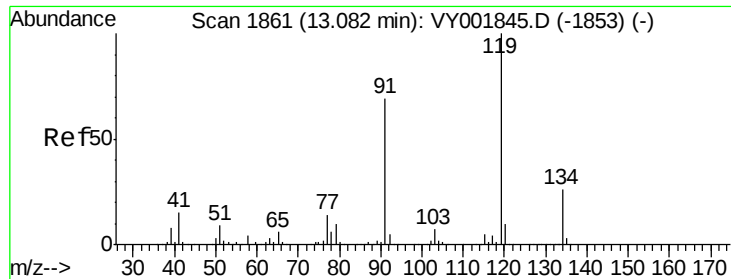
Tgt Ion: 91 Resp: 137726

Ion Ratio Lower Upper

91 100

126 33.6 16.4 49.2





#83

tert-Butylbenzene

Concen: 18.559 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.01 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

Instrument :

MSVOA_Y

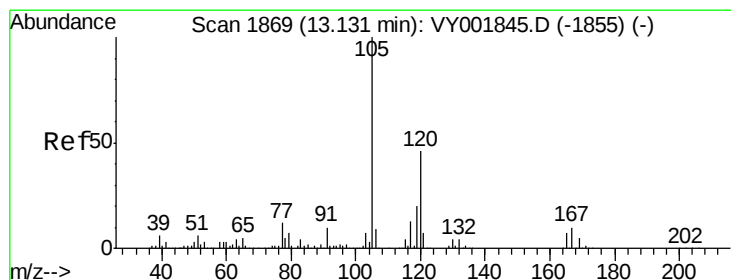
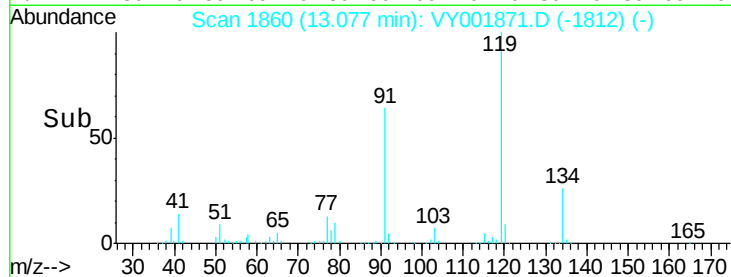
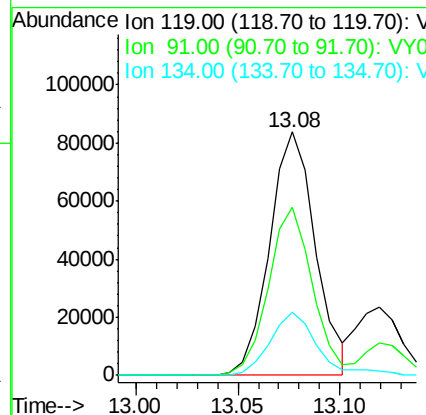
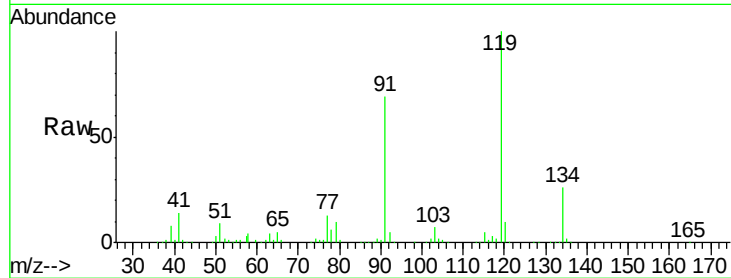
ClientSampleId :

VY0305SBS01

Tot Ion:	119	Resp:	131298
Ion Ratio	Lower	Upper	
119	100		
91	65.6	34.0	101.8
134	26.8	13.5	40.4

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#84

1,2,4-Trimethylbenzene

Concen: 19.004 ug/l

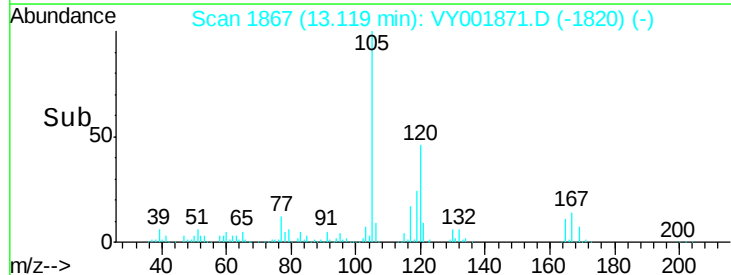
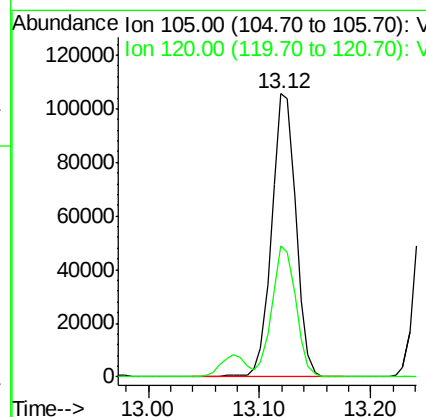
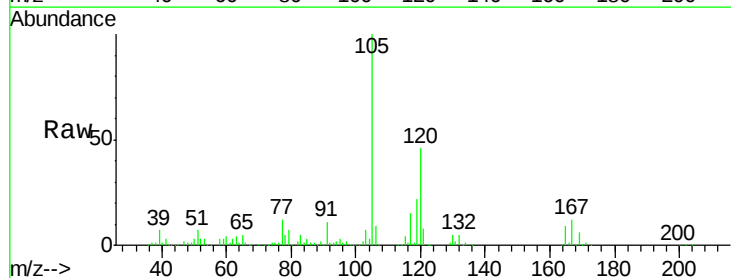
RT: 13.12 min Scan# 1867

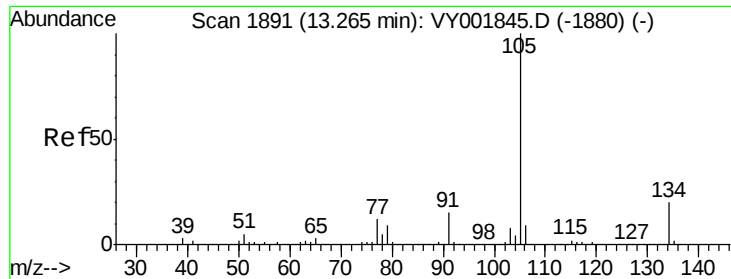
Delta R.T. -0.01 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

Tgt Ion:	105	Resp:	160642
Ion Ratio	Lower	Upper	
105	100		
120	45.6	22.6	67.7





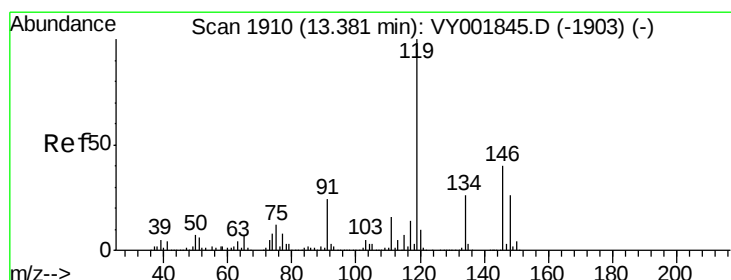
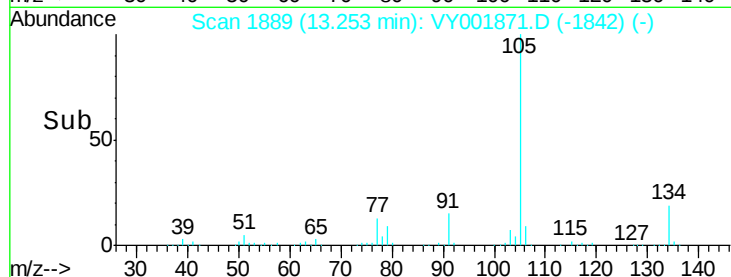
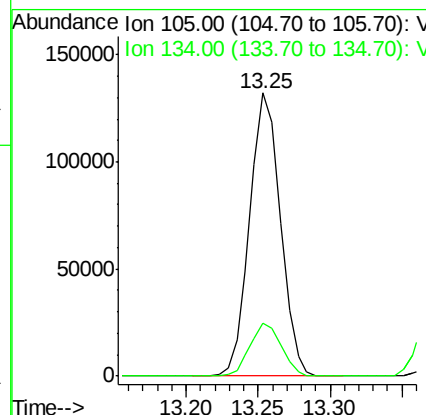
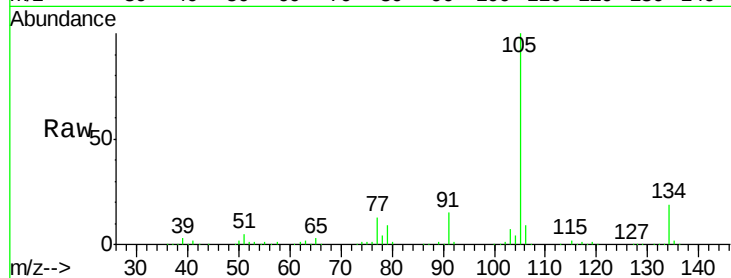
#85
 sec-Butylbenzene
 Concen: 18.696 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VY001871.D
 Acq: 05 Mar 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0305SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	29.1

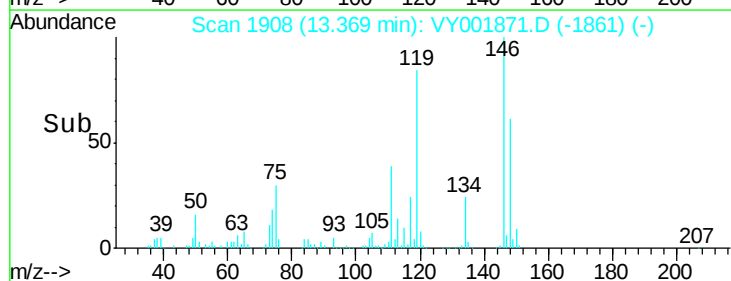
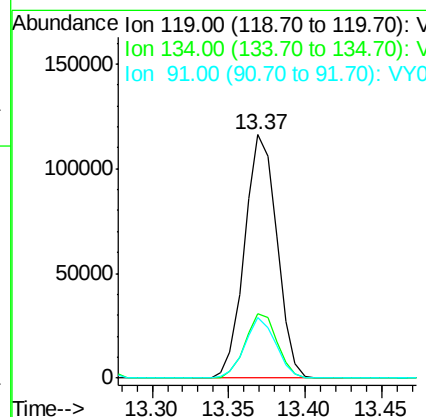
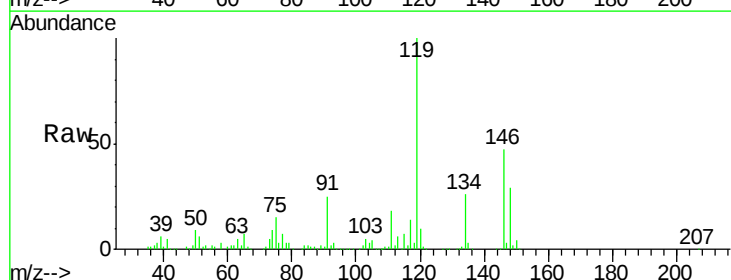
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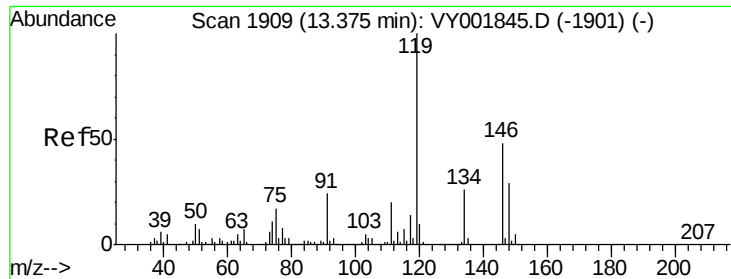
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#86
 p-Isopropyltoluene
 Concen: 18.976 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001871.D
 Acq: 05 Mar 2020 11:16

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.3
91	23.6	11.9	35.7





#87

1,3-Dichlorobenzene

Concen: 19.074 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

Instrument :

MSVOA_Y

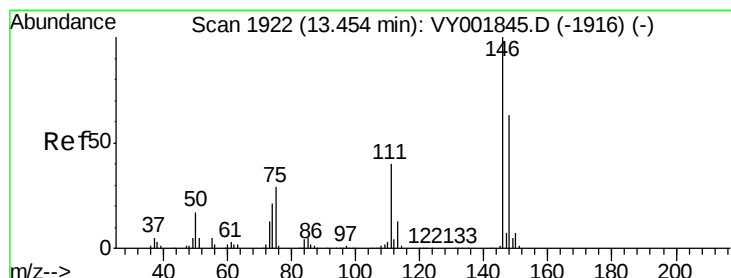
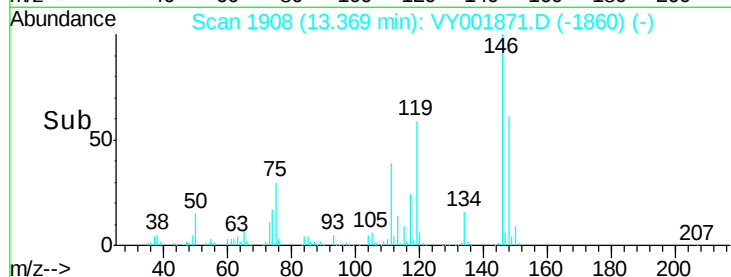
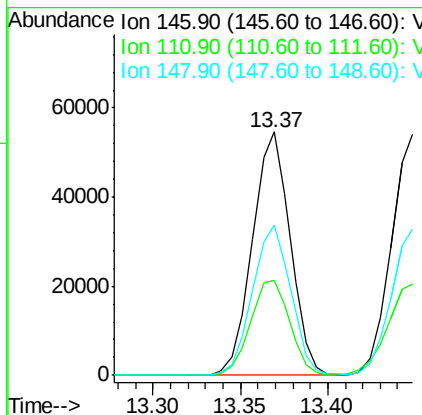
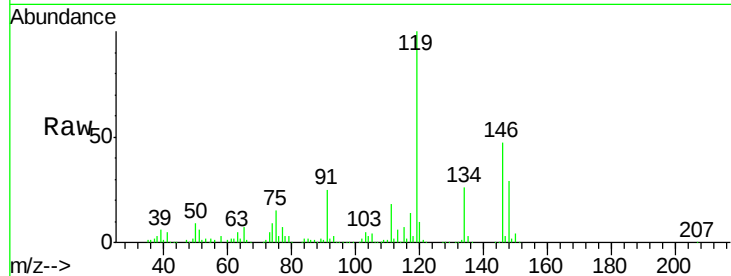
ClientSampleId :

VY0305SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.8	62.5
148	62.7	31.4	94.0

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#88

1,4-Dichlorobenzene

Concen: 18.906 ug/l

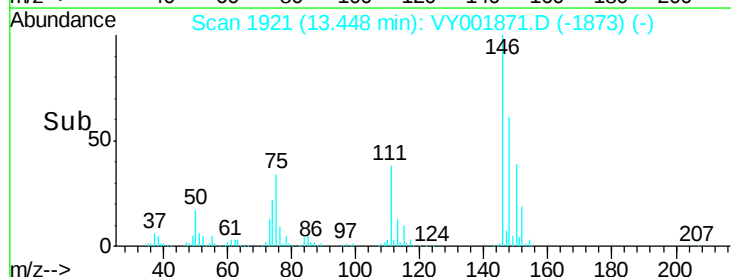
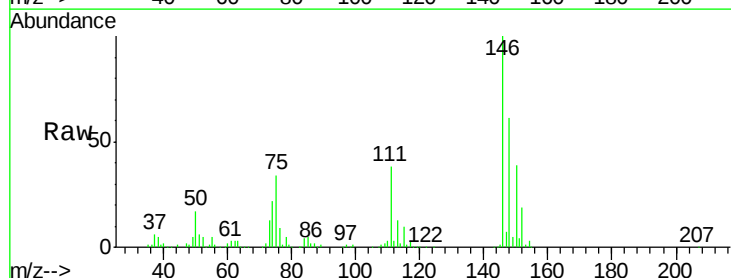
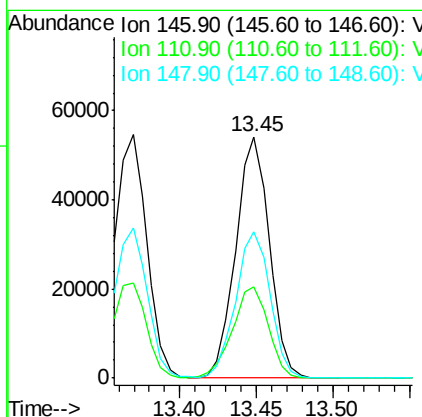
RT: 13.45 min Scan# 1921

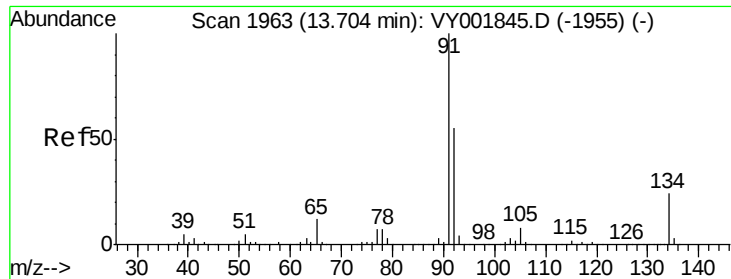
Delta R.T. -0.01 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.0	60.0
148	62.5	31.5	94.5





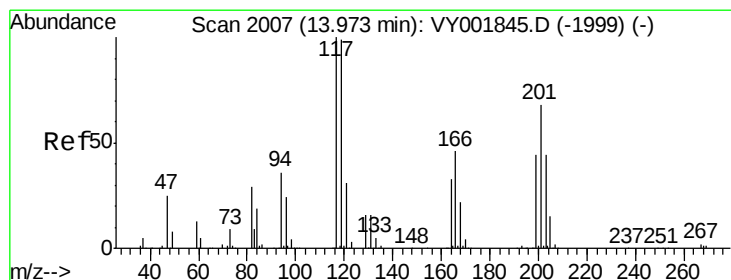
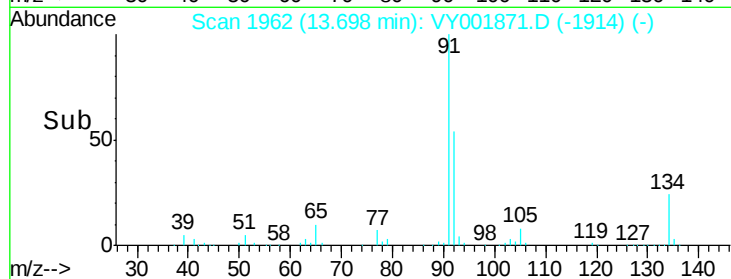
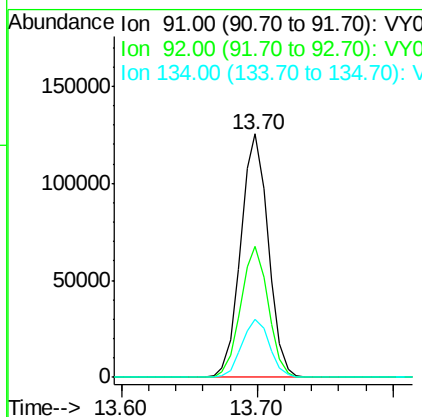
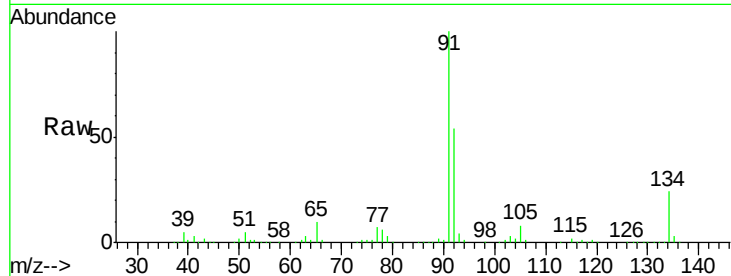
#89
n-Butylbenzene
Concen: 18.929 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.5	82.4
134	24.0	12.5	37.5

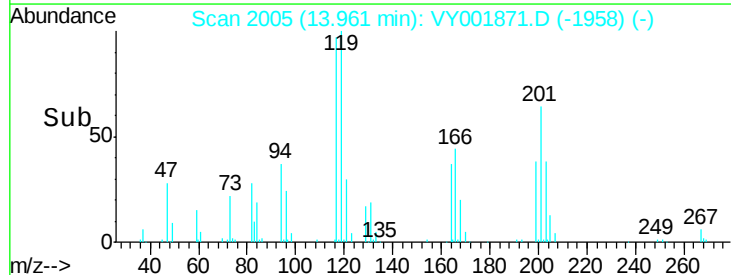
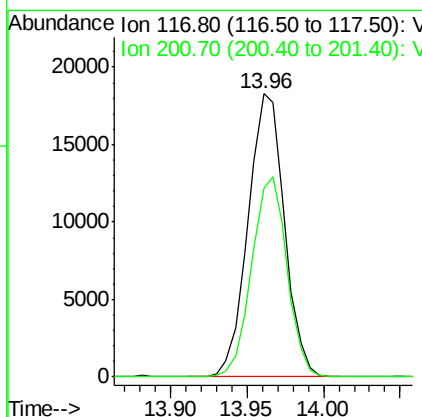
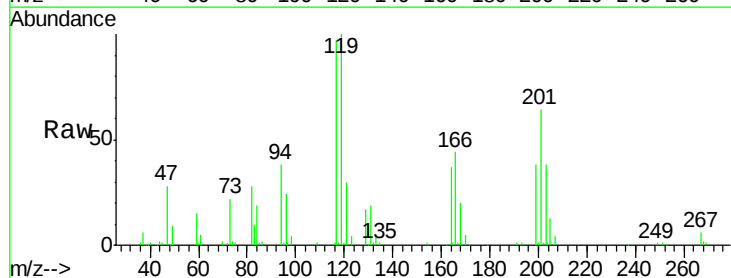
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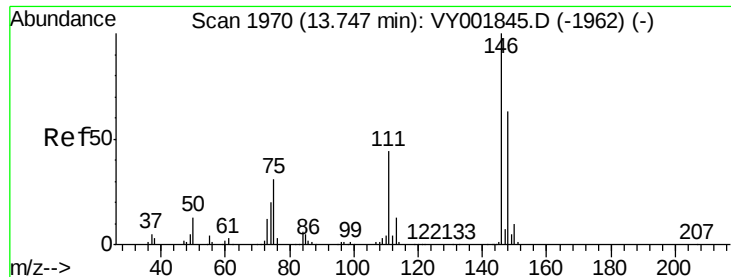
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#90
Hexachloroethane
Concen: 17.777 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.01 min
Lab File: VY001871.D
Acq: 05 Mar 2020 11:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.4	32.5	97.5





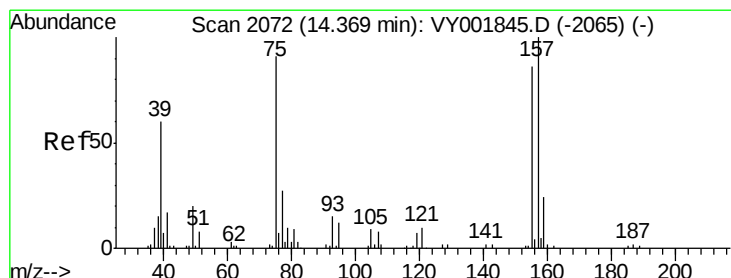
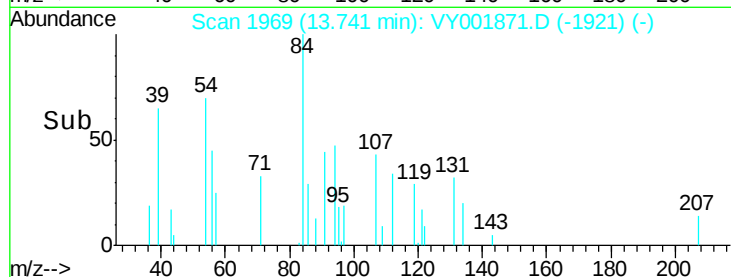
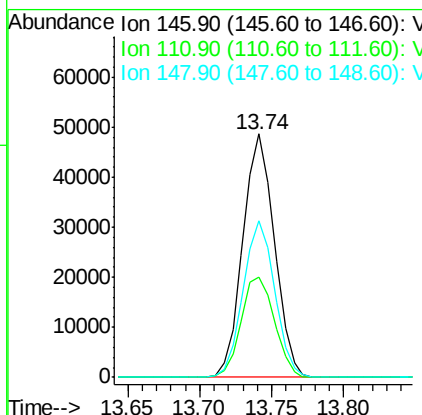
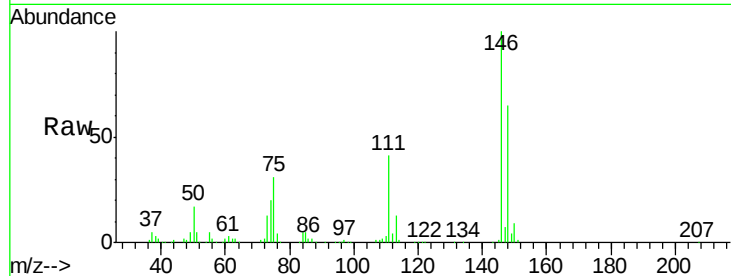
#91
 1,2-Dichlorobenzene
 Concen: 18.953 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY001871.D
 Acq: 05 Mar 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0305SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.5	64.5
148	63.9	32.0	96.0

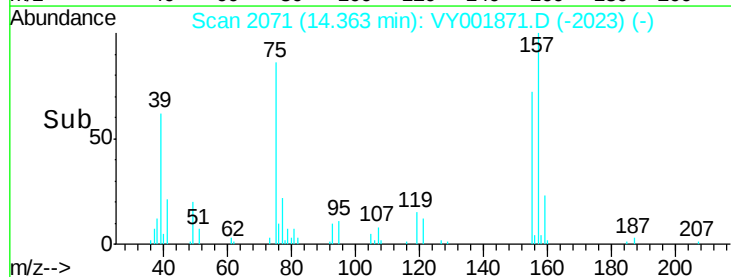
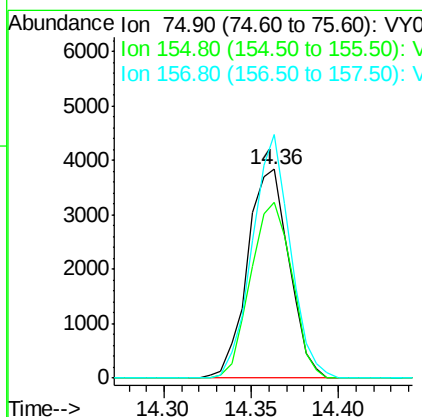
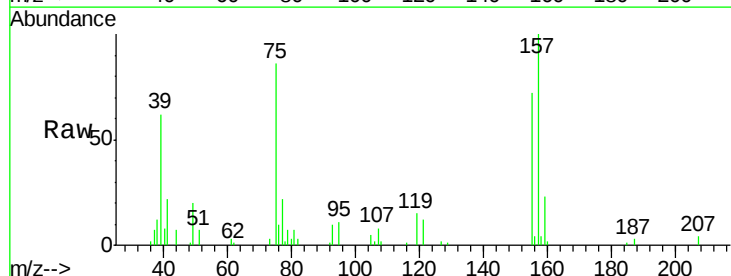
Manual Integrations
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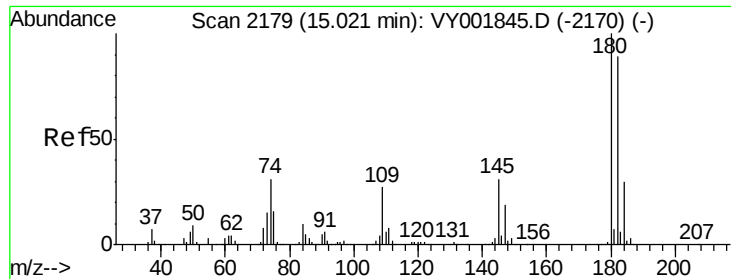
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.224 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001871.D
 Acq: 05 Mar 2020 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	42.9	128.7
157	106.4	53.1	159.4





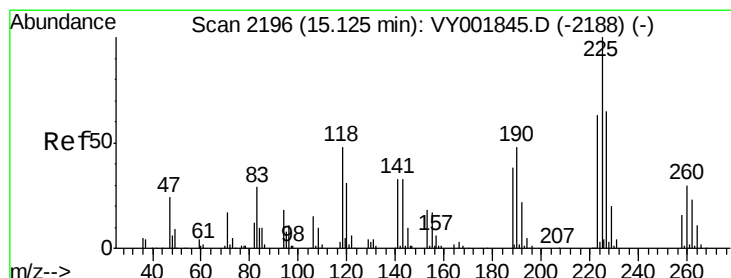
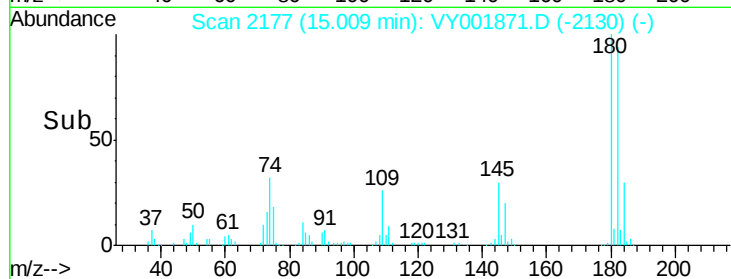
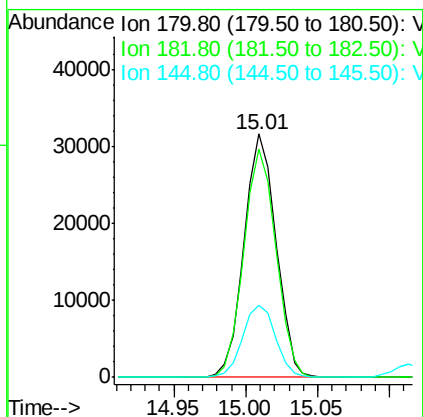
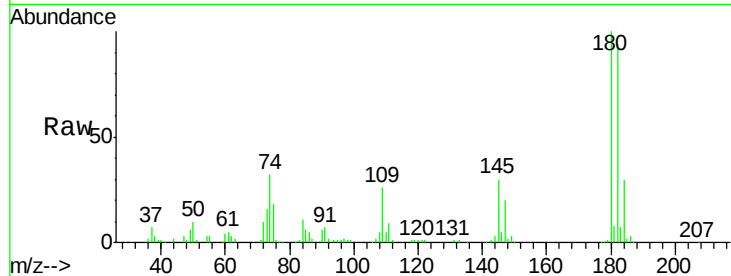
#93
 1,2,4-Trichlorobenzene
 Concen: 19.160 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY001871.D
 Acq: 05 Mar 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0305SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.1	138.3
145	30.5	15.6	46.8

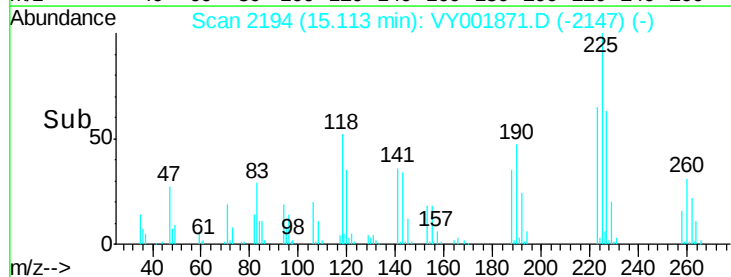
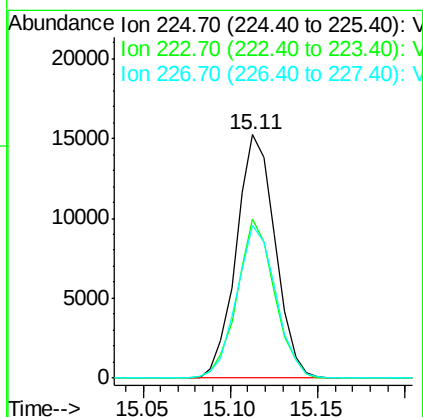
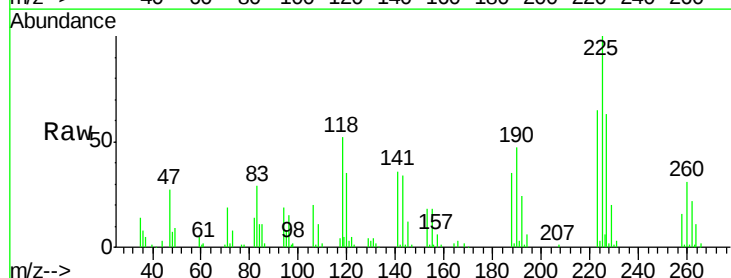
Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:16:49 AM



#94
 Hexachlorobutadiene
 Concen: 19.055 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: VY001871.D
 Acq: 05 Mar 2020 11:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.5	94.5
227	63.2	31.9	95.5





#95

Naphthalene

Concen: 18.779 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

Instrument :

MSVOA_Y

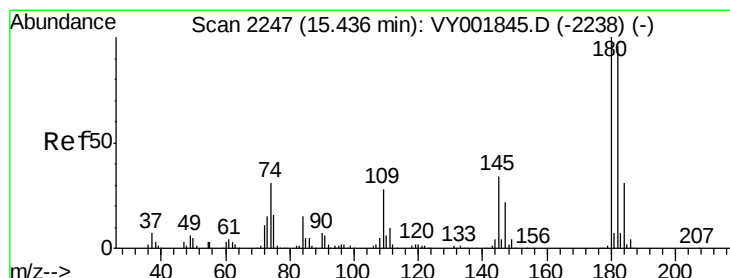
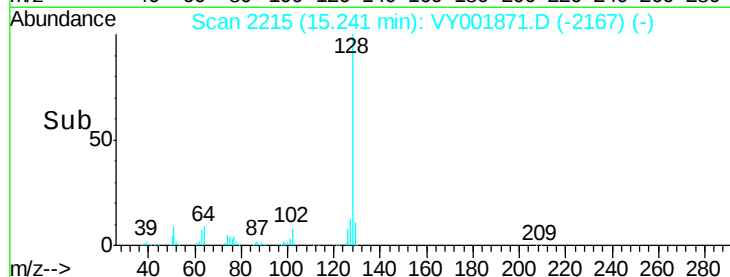
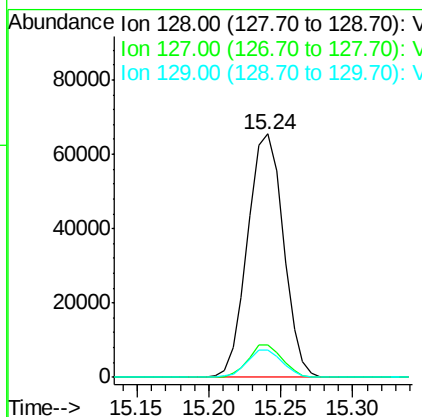
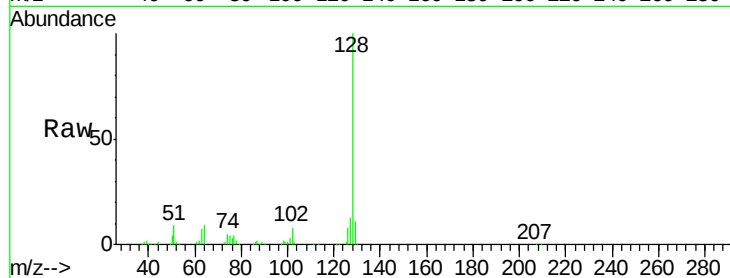
ClientSampleId :

VY0305SBS01

Tot Ion:	128	Resp:	112731
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.1	15.1
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/6/2020 11:16:49 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.391 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. -0.01 min

Lab File: VY001871.D

Acq: 05 Mar 2020 11:16

Tgt Ion:	180	Resp:	43232
Ion Ratio	Lower	Upper	
180	100		
182	92.9	47.6	142.9
145	33.2	16.8	50.3

