

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011020\
 Data File : VY001166.D
 Acq On : 10 Jan 2020 22:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:39:37 PM

Quant Time: Jan 11 03:44:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	194801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	347368	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	315493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	154222	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	108179	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
35) Dibromofluoromethane	7.73	113	100773	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	10.18	98	416737	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
62) 4-Bromofluorobenzene	12.48	95	163225	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	72726	48.612	ug/l	98
3) Chloromethane	2.12	50	105411	48.882	ug/l	100
4) Vinyl Chloride	2.25	62	111887	51.502	ug/l	99
5) Bromomethane	2.65	94	73466	62.956	ug/l	95
6) Chloroethane	2.80	64	70298	56.010	ug/l	99
7) Trichlorofluoromethane	3.13	101	142350	47.074	ug/l	98
8) Diethyl Ether	3.54	74	62581	53.259	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	95967	49.303	ug/l	98
10) Methyl Iodide	4.10	142	136289	51.154	ug/l	99
11) Tert butyl alcohol	4.97	59	53140	256.707	ug/l	98
12) 1,1-Dichloroethene	3.88	96	97836	49.128	ug/l	97
13) Acrolein	3.74	56	46345	248.688	ug/l	100
14) Allyl chloride	4.49	41	169929	50.558	ug/l	100
15) Acrylonitrile	5.18	53	158193	269.190	ug/l	100
16) Acetone	3.96	43	118877	248.789	ug/l	94
17) Carbon Disulfide	4.20	76	325893	50.562	ug/l	99
18) Methyl Acetate	4.49	43	81293	51.458	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	294203	53.409	ug/l	99
20) Methylene Chloride	4.72	84	117513	53.118	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	116102	51.417	ug/l	99
22) Diisopropyl ether	6.13	45	365081	53.181	ug/l	99
23) Vinyl Acetate	6.07	43	1179674	268.695	ug/l	99
24) 1,1-Dichloroethane	6.03	63	196706	52.340	ug/l	100
25) 2-Butanone	7.00	43	205002	275.666	ug/l	100
26) 2,2-Dichloropropane	6.99	77	161958	46.863	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	131417	53.113	ug/l	98
28) Bromochloromethane	7.35	49	97342	63.075	ug/l	100
29) Tetrahydrofuran	7.36	42	138567	271.896	ug/l	99
30) Chloroform	7.52	83	192825	52.364	ug/l	100
31) Cyclohexane	7.79	56	190857	47.964	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	161791	49.518	ug/l	99
36) 1,1-Dichloropropene	7.93	75	153046	48.340	ug/l	99
37) Ethyl Acetate	7.08	43	95751	51.533	ug/l	98
38) Carbon Tetrachloride	7.91	117	139324	48.017	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011020\
 Data File : VY001166.D
 Acq On : 10 Jan 2020 22:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:39:37 PM

Quant Time: Jan 11 03:44:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	207899	48.436	ug/l	98
40) Benzene	8.17	78	472257	51.099	ug/l	99
41) Methacrylonitrile	7.33	41	43374m	49.695	ug/l	
42) 1,2-Dichloroethane	8.25	62	132476	51.192	ug/l	99
43) Isopropyl Acetate	8.28	43	188129	52.949	ug/l	99
44) Trichloroethene	8.94	130	121121	50.296	ug/l	99
45) 1,2-Dichloropropane	9.22	63	118540	51.883	ug/l	99
46) Dibromomethane	9.31	93	64676	51.881	ug/l	98
47) Bromodichloromethane	9.50	83	157017	51.682	ug/l	100
48) Methyl methacrylate	9.30	41	86503	52.612	ug/l	99
49) 1,4-Dioxane	9.30	88	16068	1058.389	ug/l	91
51) 4-Methyl-2-Pentanone	10.07	43	486604	269.911	ug/l	99
52) Toluene	10.25	92	303443	51.479	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	175921	51.747	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	197158	51.437	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	98500	53.298	ug/l	98
56) Ethyl methacrylate	10.51	69	151254	53.503	ug/l	99
57) 1,3-Dichloropropane	10.79	76	167594	52.824	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	250351	251.790	ug/l	100
59) 2-Hexanone	10.83	43	347991	275.422	ug/l	100
60) Dibromochloromethane	10.99	129	112726	52.976	ug/l	100
61) 1,2-Dibromoethane	11.09	107	95859	53.120	ug/l	99
64) Tetrachloroethene	10.72	164	103149	50.719	ug/l	98
65) Chlorobenzene	11.52	112	320461	50.834	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	112043	51.568	ug/l	99
67) Ethyl Benzene	11.59	91	582706	50.529	ug/l	99
68) m/p-Xylenes	11.70	106	445713	102.457	ug/l	99
69) o-Xylene	12.03	106	210637	50.501	ug/l	99
70) Styrene	12.04	104	381208	52.090	ug/l	99
71) Bromoform	12.20	173	71130	53.085	ug/l #	99
73) Isopropylbenzene	12.33	105	563854	48.633	ug/l	99
74) N-amyl acetate	12.14	43	190935	52.770	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	125869	51.601	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	84692m	51.299	ug/l	
77) Bromobenzene	12.61	156	129624	50.598	ug/l	99
78) n-propylbenzene	12.67	91	683536	49.014	ug/l	100
79) 2-Chlorotoluene	12.75	91	394828	49.297	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	483256	49.955	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	49019	50.350	ug/l #	97
82) 4-Chlorotoluene	12.85	91	418475	48.943	ug/l	98
83) tert-Butylbenzene	13.07	119	395170	48.615	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	481722	50.144	ug/l	100
85) sec-Butylbenzene	13.25	105	570025	48.746	ug/l	99
86) p-Isopropyltoluene	13.37	119	504389	49.679	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	247972	51.182	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	251233	50.383	ug/l	99
89) n-Butylbenzene	13.69	91	499796	48.876	ug/l	100
90) Hexachloroethane	13.96	117	98930	49.868	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	230642	51.222	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.35	75	22107	50.242	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011020\
Data File : VY001166.D
Acq On : 10 Jan 2020 22:28
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

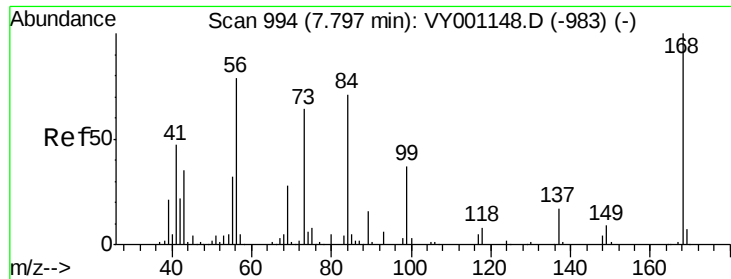
Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:39:37 PM

Quant Time: Jan 11 03:44:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 10 16:01:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	150465	50.717	ug/l	99
94) Hexachlorobutadiene	15.11	225	72232	48.329	ug/l	98
95) Naphthalene	15.23	128	365461	52.914	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	135108	51.674	ug/l	99

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



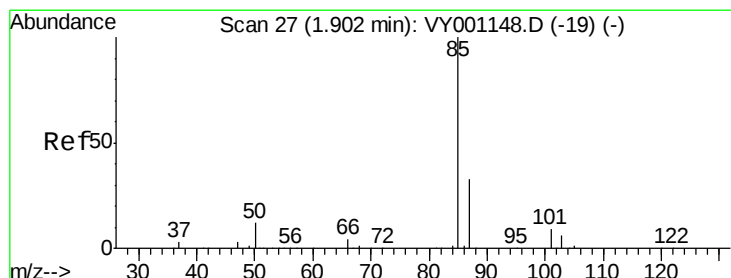
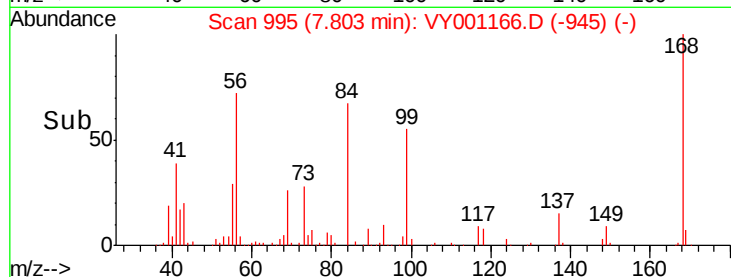
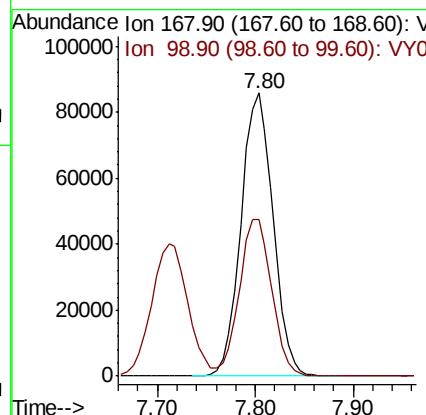
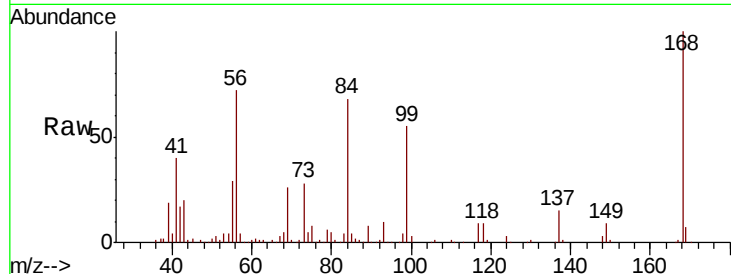
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	55.1	47.9	71.9

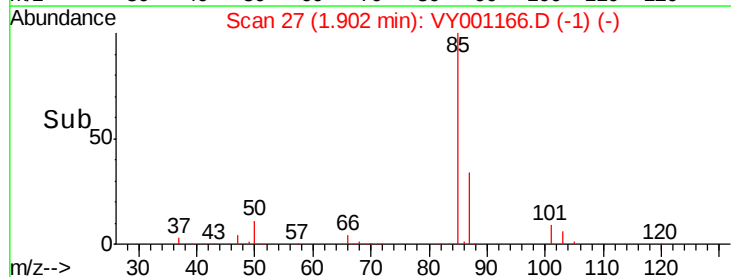
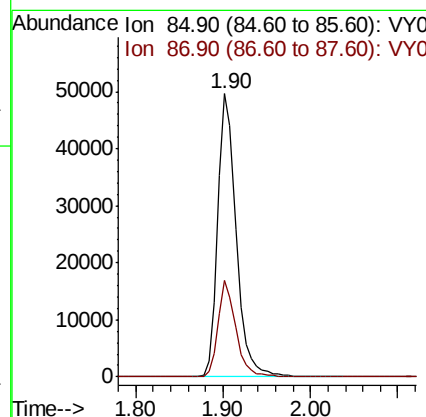
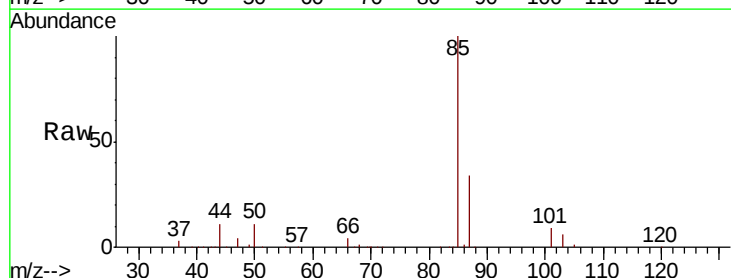
Manual Integrations
APPROVED

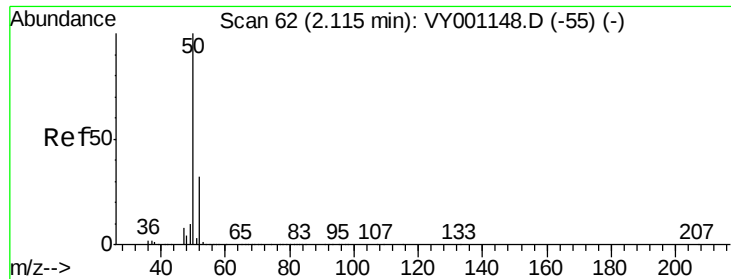
MMDadoda
1/13/2020 12:39:37 PM



#2
Dichlorodifluoromethane
Concen: 48.612 ug/l
RT: 1.90 min Scan# 27
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.9	16.4	49.2





#3

Chloromethane

Concen: 48.882 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY001166.D

Acq: 10 Jan 2020 22:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 105411

Ion Ratio Lower Upper

50 100

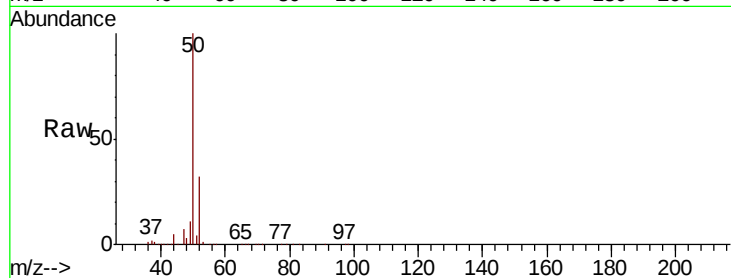
52 32.1 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

1/13/2020 12:39:37 PM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

80000

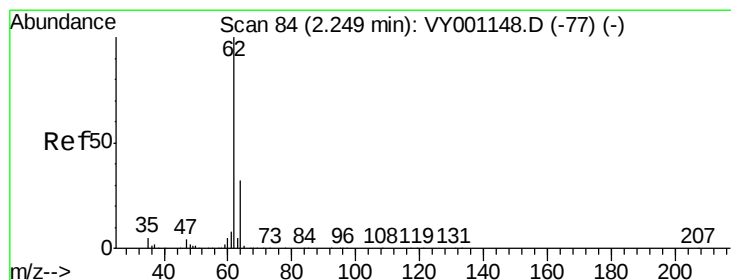
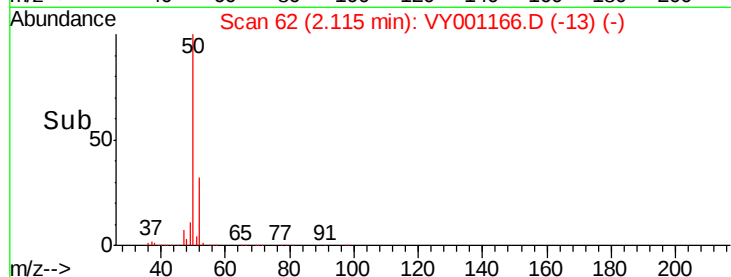
60000

40000

20000

0

Time--> 2.00 2.10 2.20



#4

Vinyl Chloride

Concen: 51.502 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY001166.D

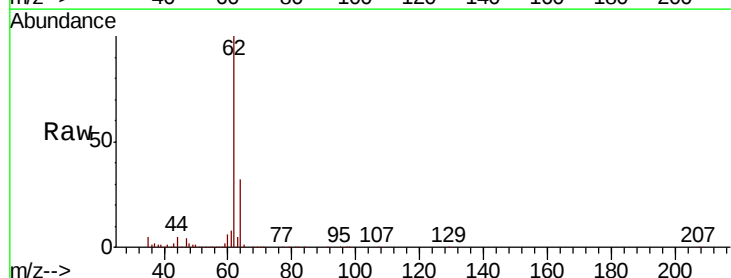
Acq: 10 Jan 2020 22:28

Tgt Ion: 62 Resp: 111887

Ion Ratio Lower Upper

62 100

64 31.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.25

80000

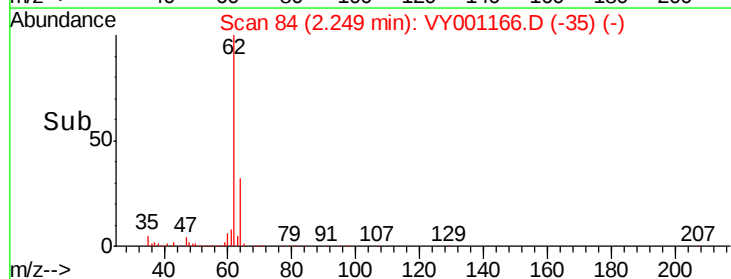
60000

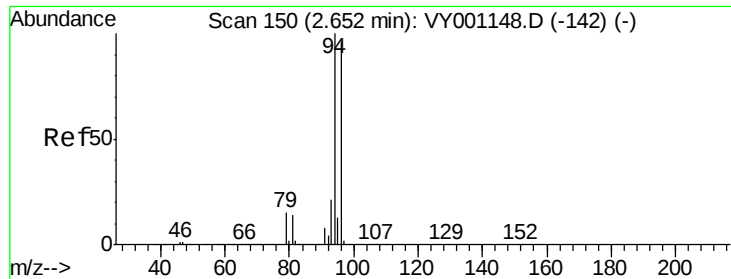
40000

20000

0

Time--> 2.20 2.30 2.40





#5

Bromomethane

Concen: 62.956 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY001166.D

Acq: 10 Jan 2020 22:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 73466

Ion Ratio Lower Upper

94 100

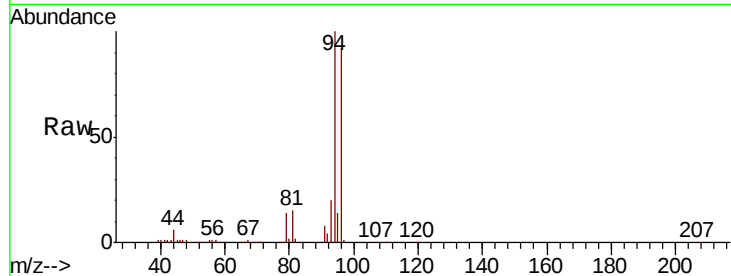
96 91.8 77.3 115.9

Manual Integrations

APPROVED

MMDadoda

1/13/2020 12:39:37 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.65

40000

30000

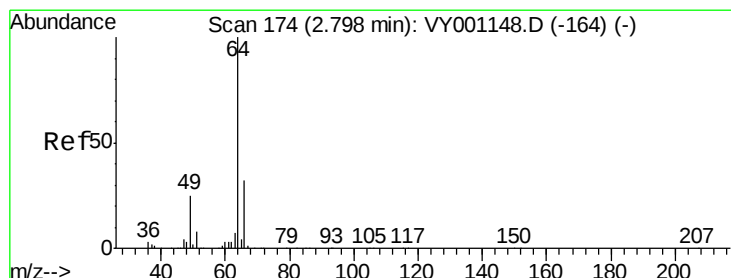
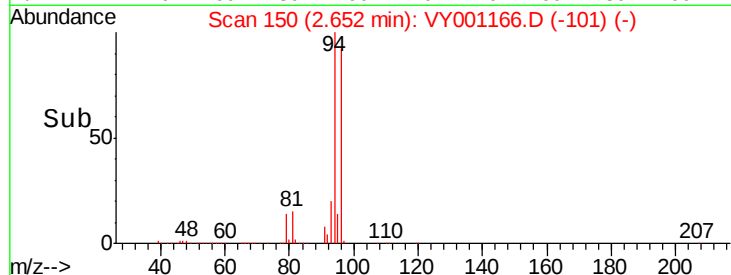
20000

10000

0

2.60 2.70 2.80

Time-->



#6

Chloroethane

Concen: 56.010 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY001166.D

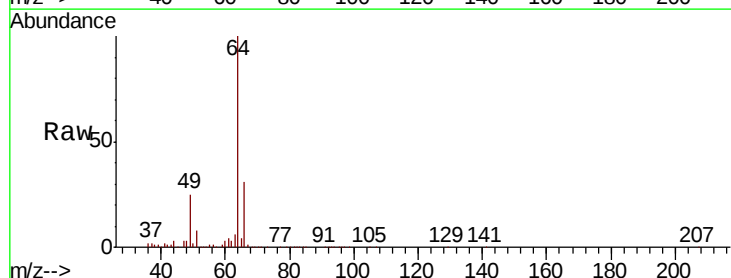
Acq: 10 Jan 2020 22:28

Tgt Ion: 64 Resp: 70298

Ion Ratio Lower Upper

64 100

66 31.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

40000

30000

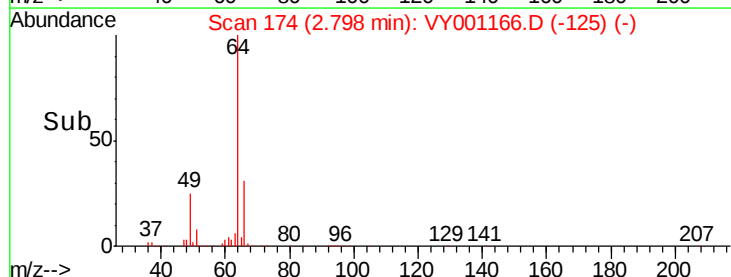
20000

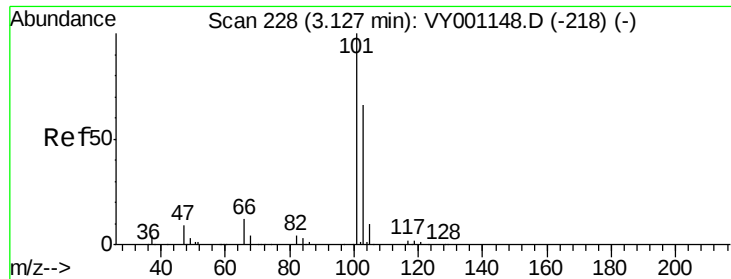
10000

0

2.70 2.80 2.90

Time-->





#7

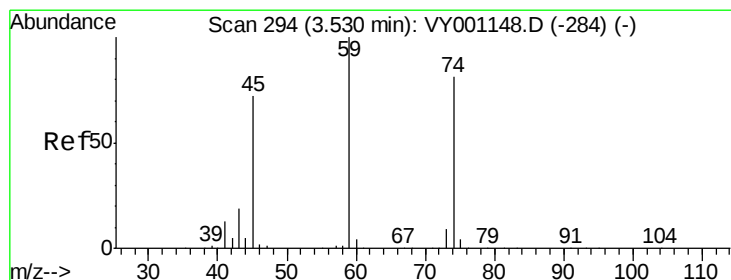
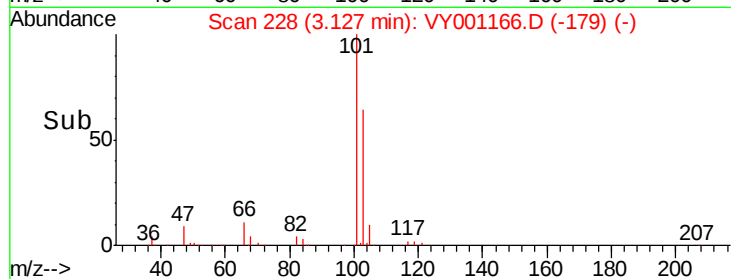
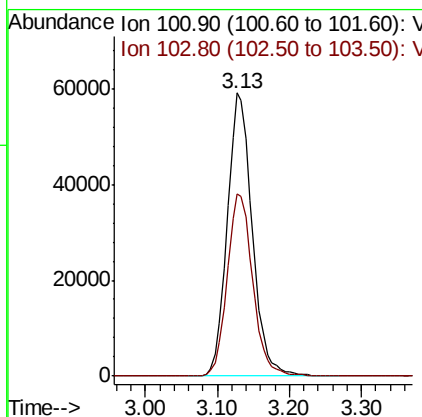
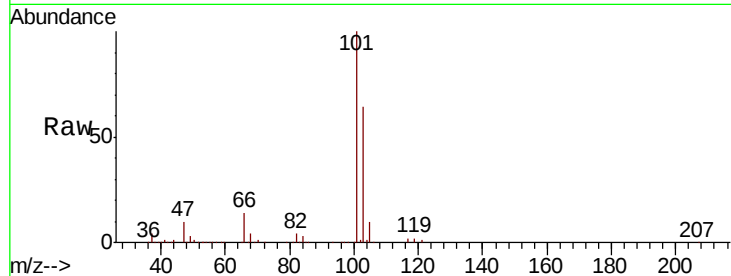
Trichlorofluoromethane
Concen: 47.074 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.6	79.0

Manual Integrations
APPROVED

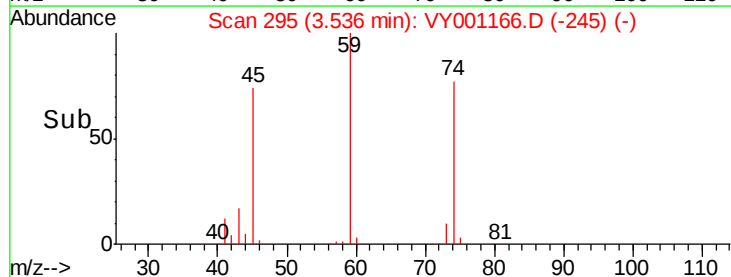
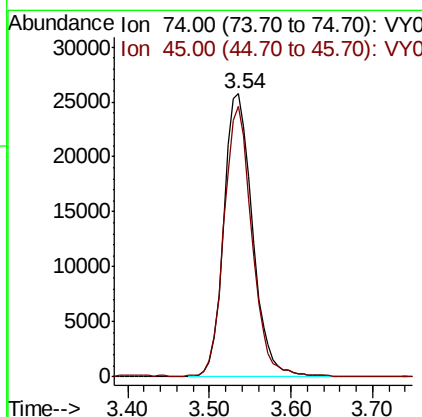
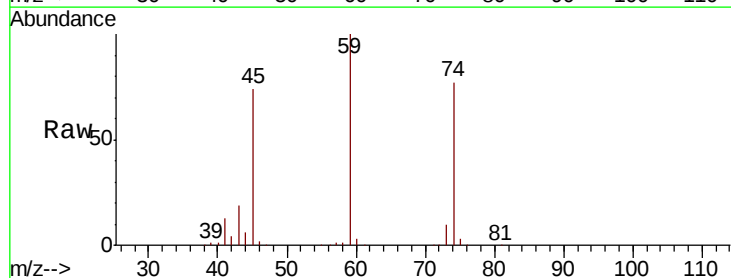
MMDadoda
1/13/2020 12:39:37 PM

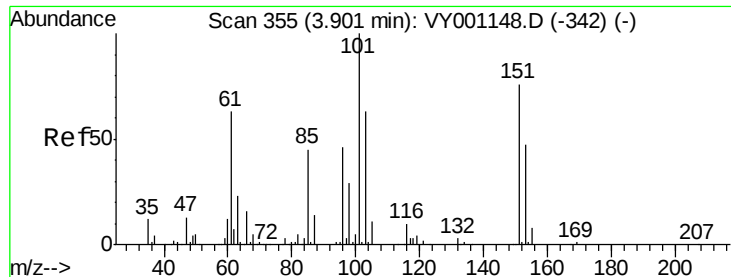


#8

Diethyl Ether
Concen: 53.259 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.8	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.303 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY001166.D

Acq: 10 Jan 2020 22:28

Instrument :

MSVOA_Y

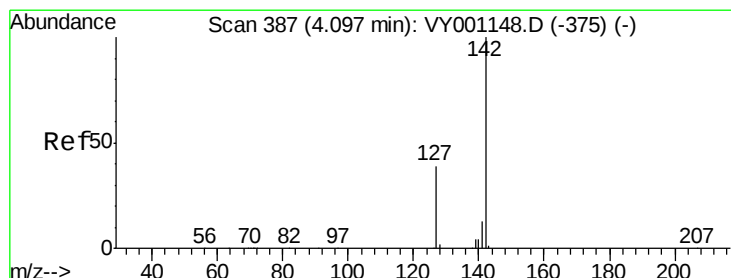
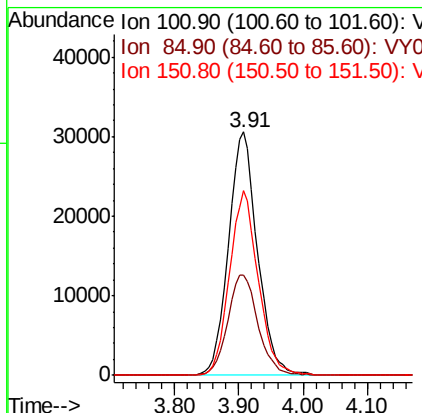
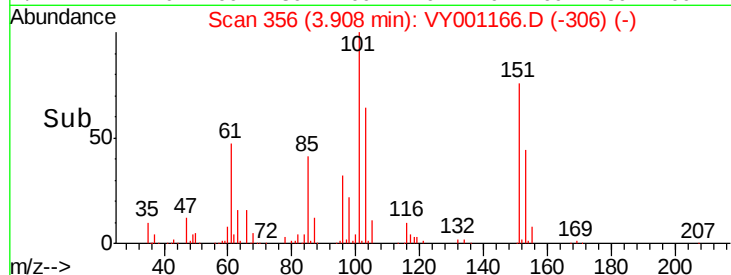
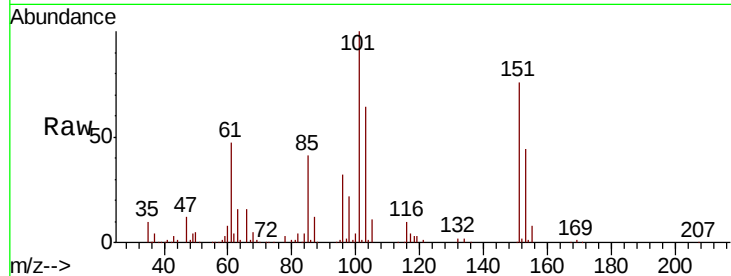
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	95967
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.2	52.8
151	75.2	61.4	92.2

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:39:37 PM



#10

Methyl Iodide

Concen: 51.154 ug/l

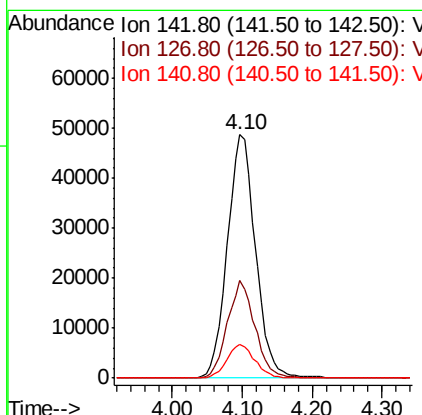
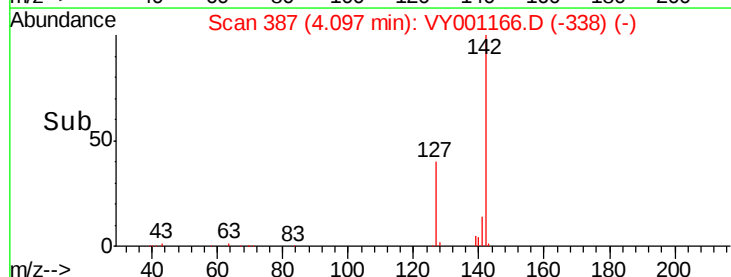
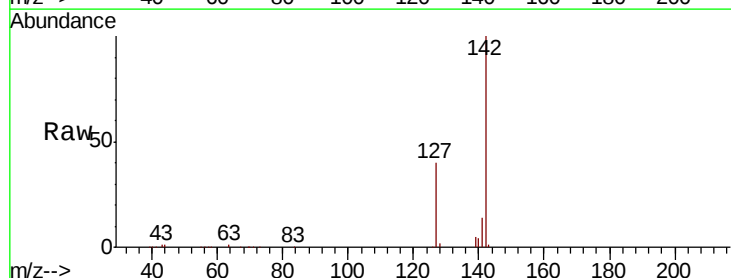
RT: 4.10 min Scan# 387

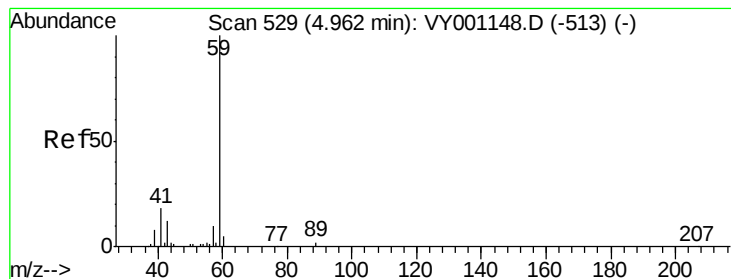
Delta R.T. 0.00 min

Lab File: VY001166.D

Acq: 10 Jan 2020 22:28

Tgt Ion:	142	Resp:	136289
Ion Ratio	Lower	Upper	
142	100		
127	39.0	30.8	46.2
141	13.8	11.0	16.4





#11

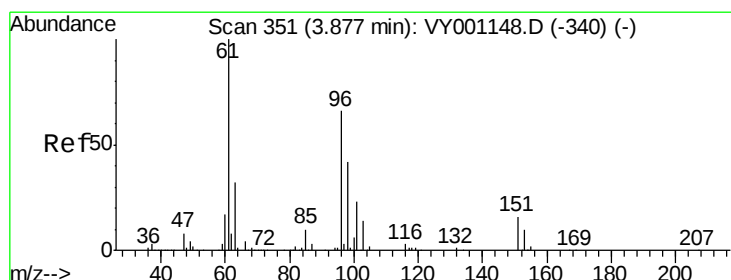
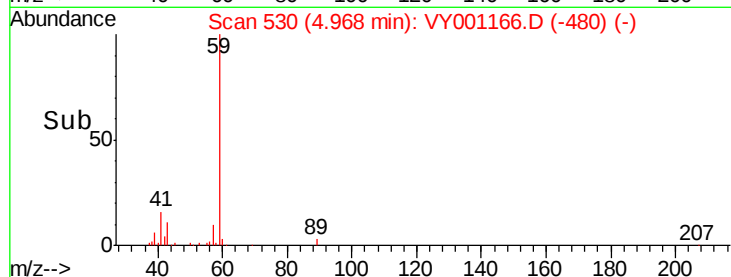
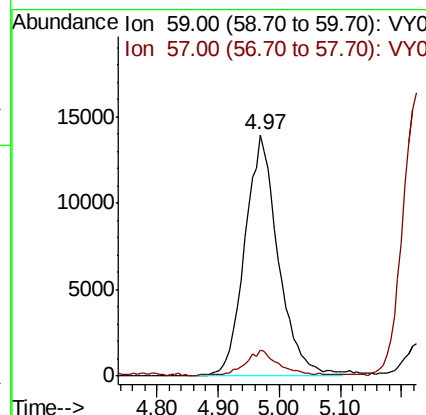
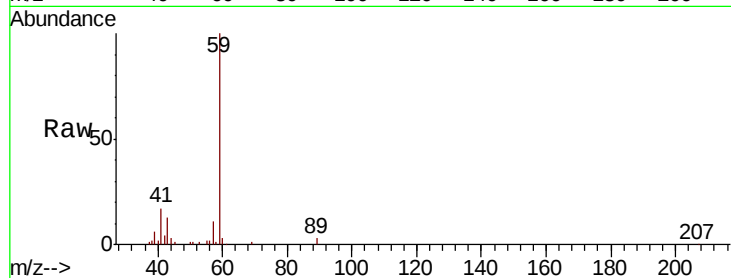
Tert butyl alcohol
Concen: 256.707 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.01 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	53140
Ion Ratio	100	Lower	Upper
57	9.2	7.8	11.8

Manual Integrations
APPROVED

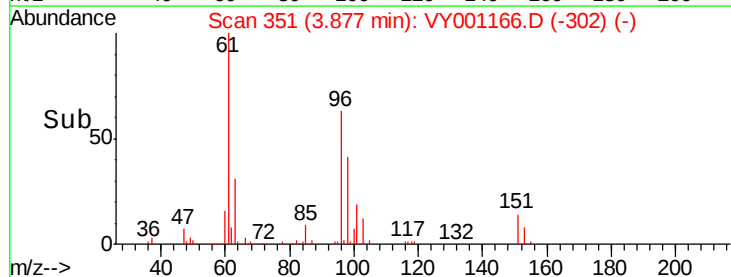
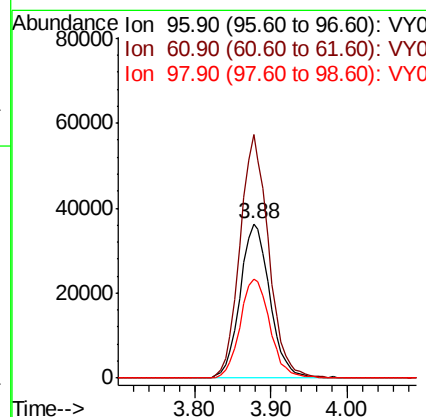
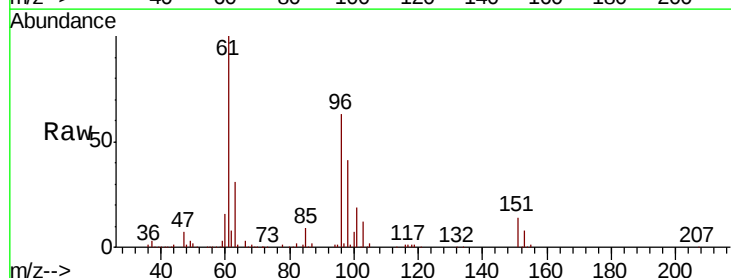
MMDadoda
1/13/2020 12:39:37 PM

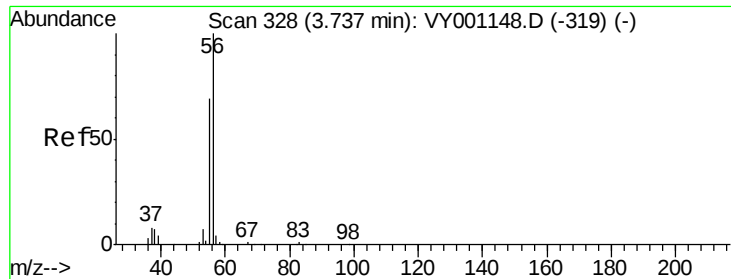


#12

1,1-Dichloroethene
Concen: 49.128 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Tgt Ion	96	Resp	97836
Ion Ratio	100	Lower	Upper
61	157.8	122.1	183.1
98	64.3	51.0	76.6





#13

Acrolein

Concen: 248.688 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY001166.D

Acq: 10 Jan 2020 22:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 46345

Ion Ratio Lower Upper

56 100

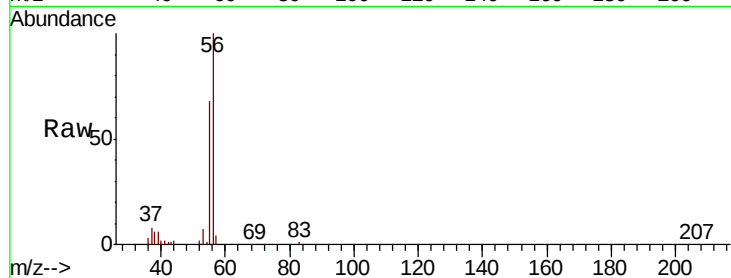
55 70.9 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

1/13/2020 12:39:37 PM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

3.74

20000

15000

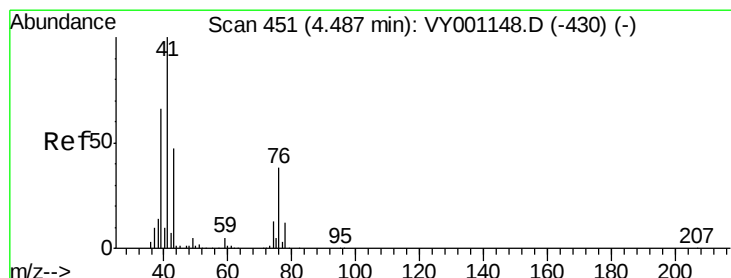
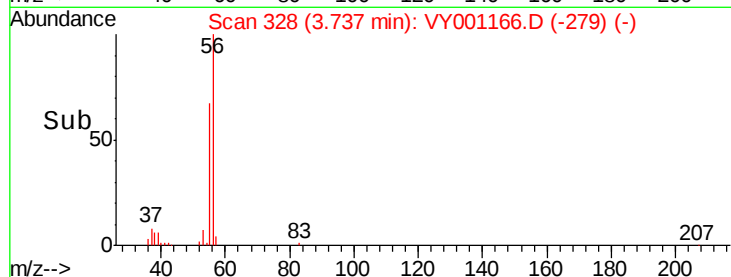
10000

5000

0

Time-->

3.60 3.70 3.80 3.90



#14

Allyl chloride

Concen: 50.558 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY001166.D

Acq: 10 Jan 2020 22:28

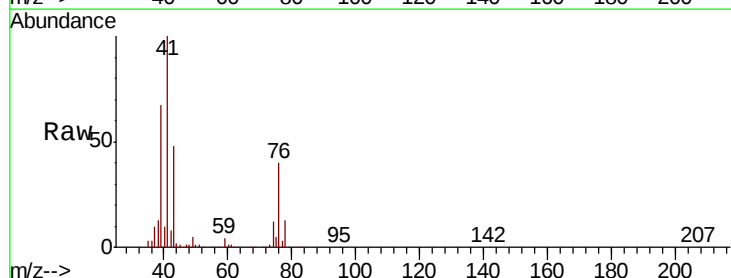
Tgt Ion: 41 Resp: 169929

Ion Ratio Lower Upper

41 100

39 65.5 52.6 78.8

76 38.1 30.2 45.2



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

4.49

60000

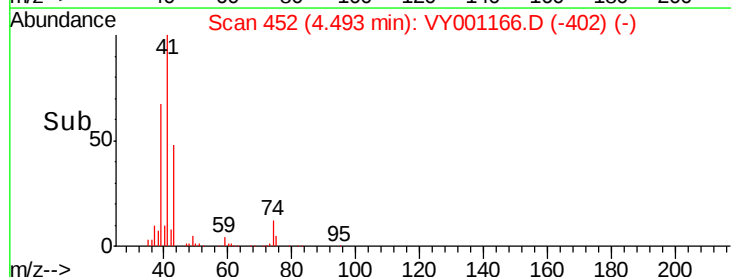
40000

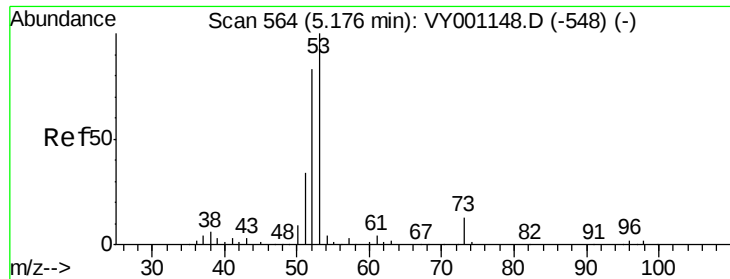
20000

0

Time-->

4.30 4.40 4.50 4.60 4.70





#15

Acrylonitrile

Concen: 269.190 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY001166.D

Acq: 10 Jan 2020 22:28

Instrument :

MSVOA_Y

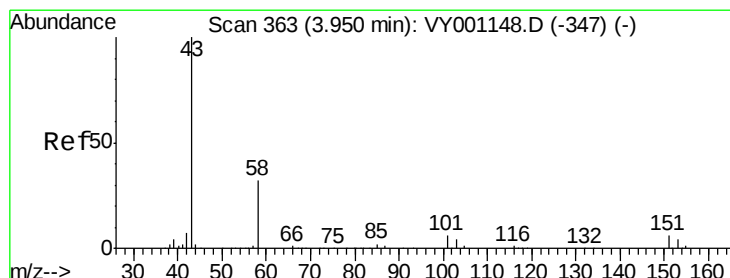
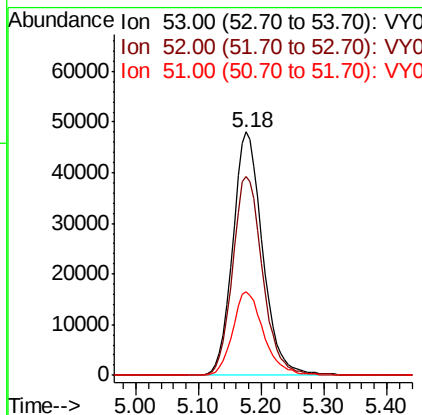
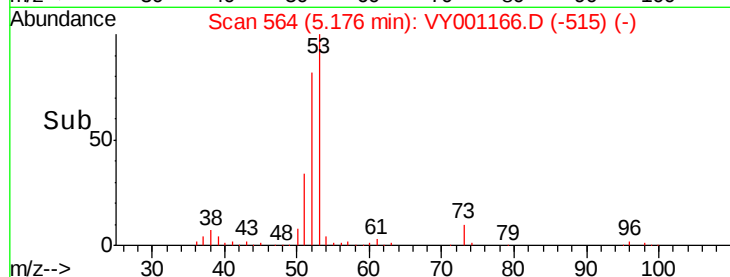
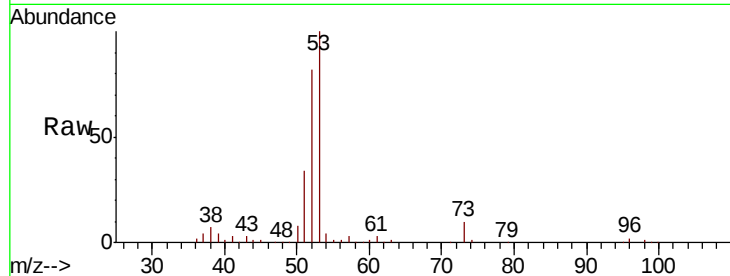
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	158193
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	35.7	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:39:37 PM



#16

Acetone

Concen: 248.789 ug/l

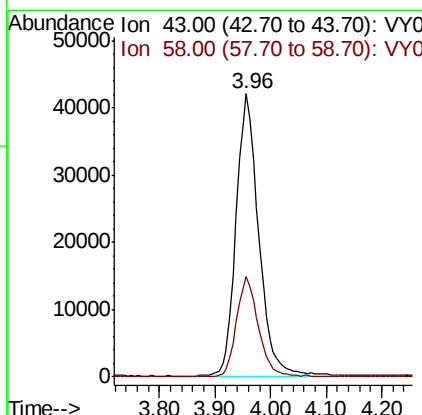
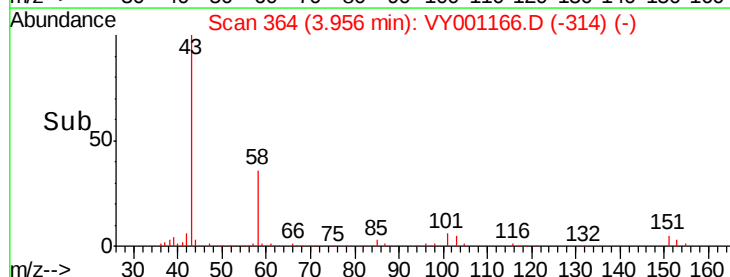
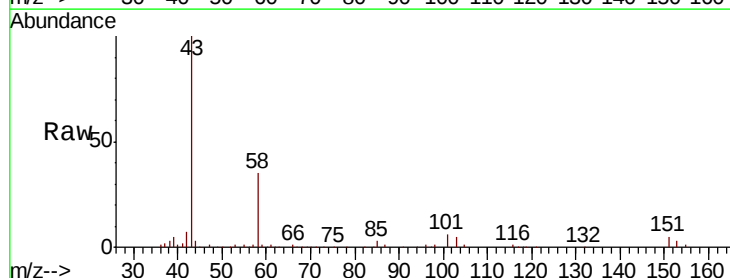
RT: 3.96 min Scan# 364

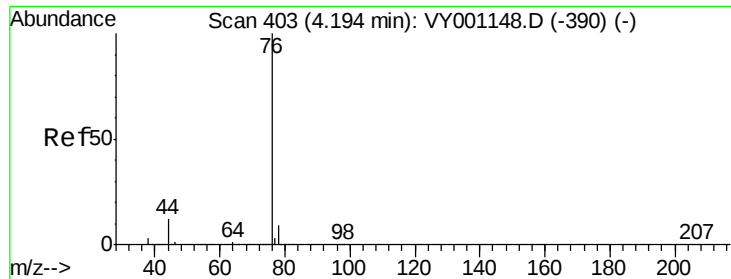
Delta R.T. 0.01 min

Lab File: VY001166.D

Acq: 10 Jan 2020 22:28

Tgt Ion:	43	Resp:	118877
Ion	Ratio	Lower	Upper
43	100		
58	35.3	25.8	38.6





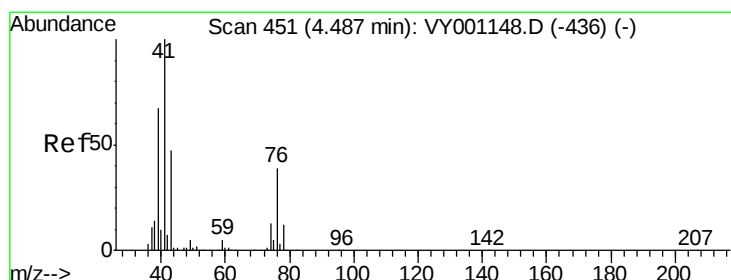
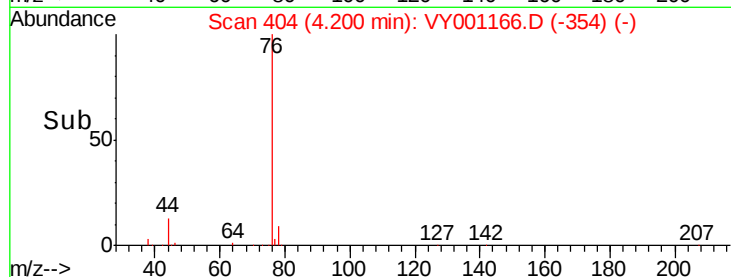
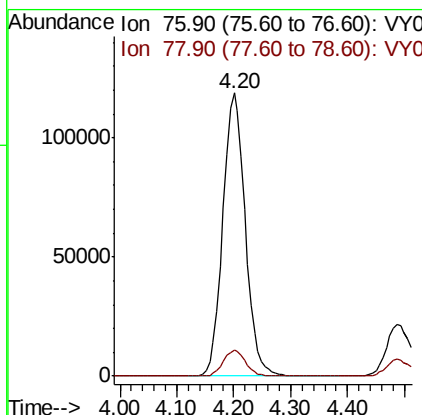
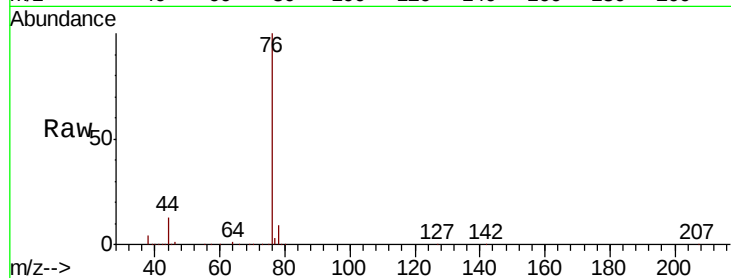
#17
Carbon Disulfide
Concen: 50.562 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

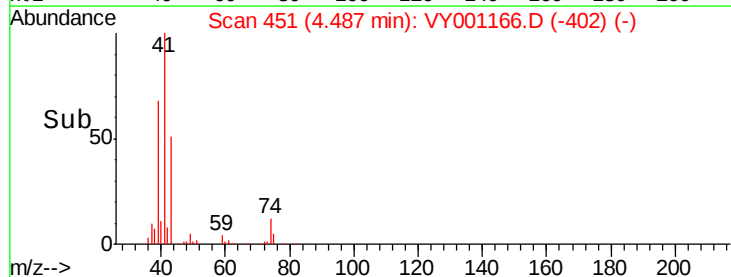
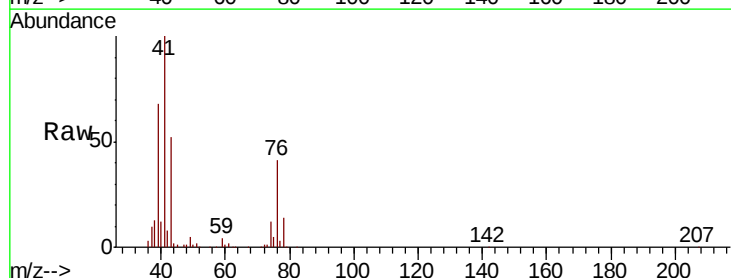
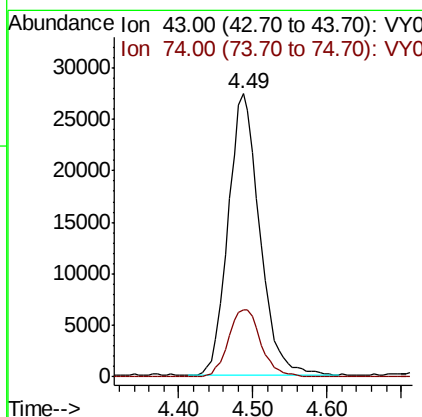
Manual Integrations
APPROVED

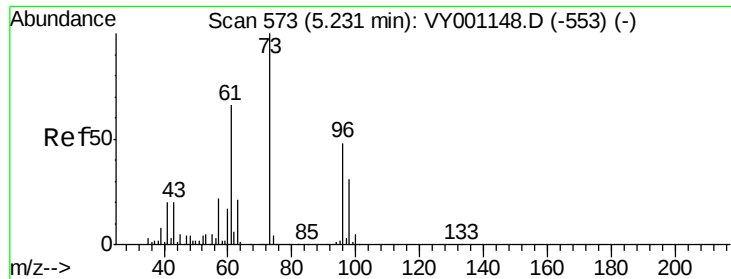
MMDadoda
1/13/2020 12:39:37 PM



#18
Methyl Acetate
Concen: 51.458 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	20.2	30.2





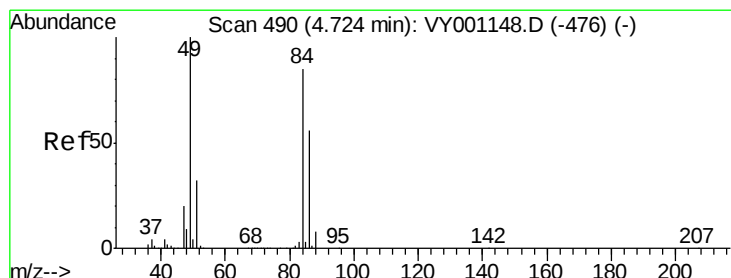
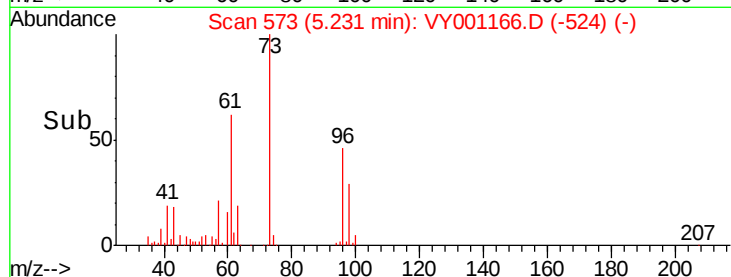
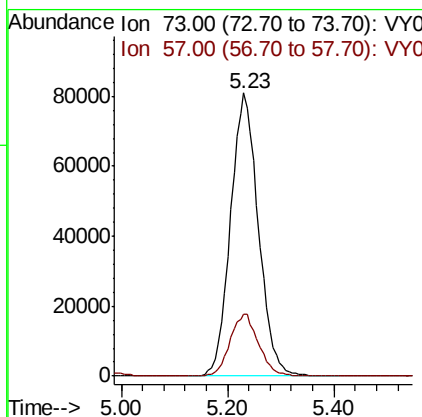
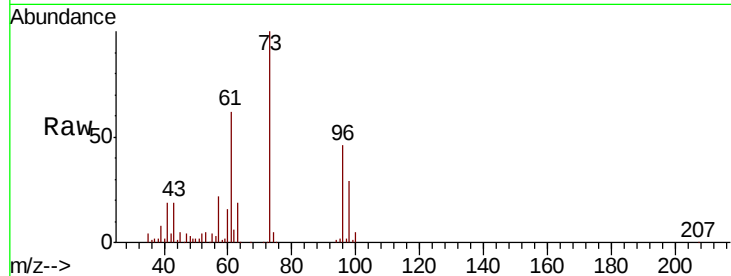
#19
Methvl tert-butvl Ether
Concen: 53.409 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.8	26.6

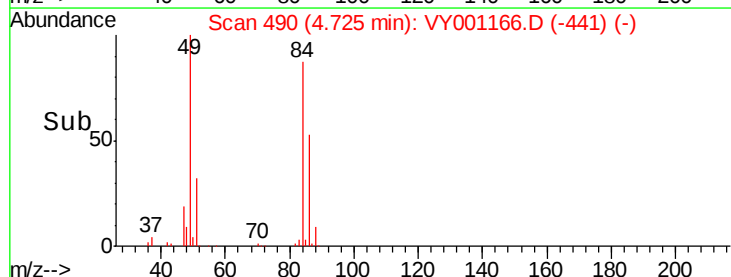
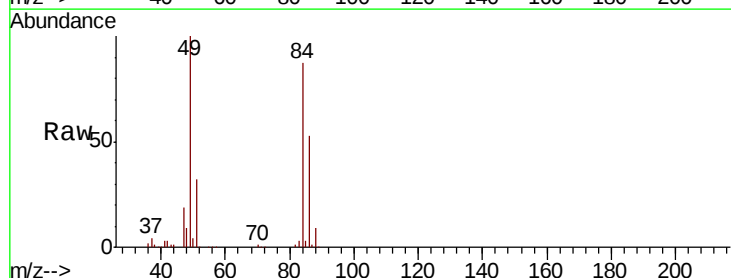
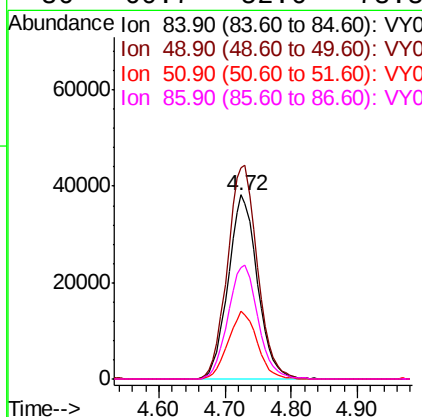
Manual Integrations
APPROVED

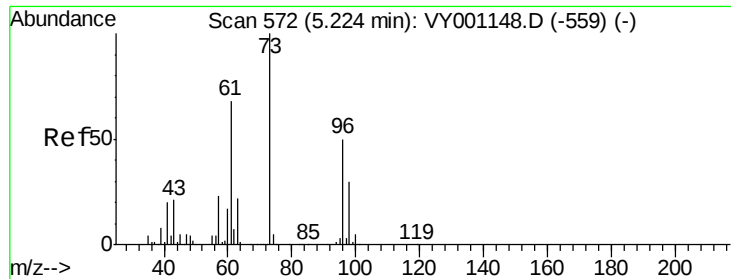
MMDadoda
1/13/2020 12:39:37 PM



#20
Methylene Chloride
Concen: 53.118 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.4	93.8	140.6
51	36.6	29.9	44.9
86	60.7	52.6	78.8





#21

trans-1,2-Dichloroethene

Concen: 51.417 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY001166.D

Acq: 10 Jan 2020 22:28

Instrument :

MSVOA_Y

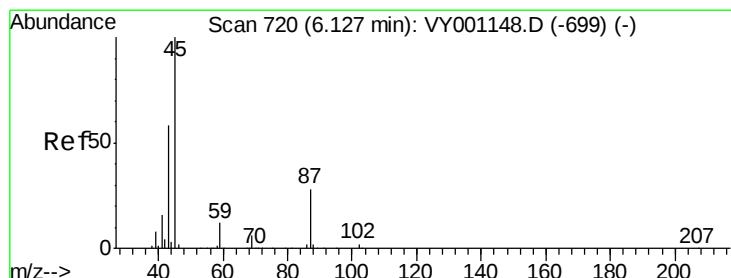
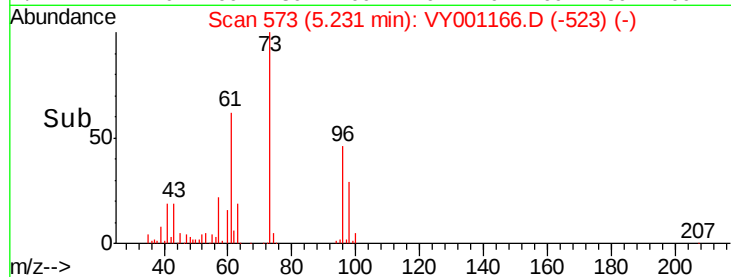
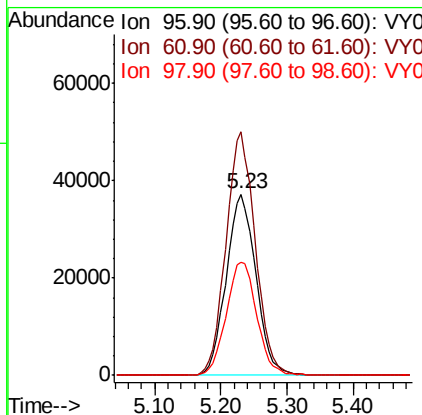
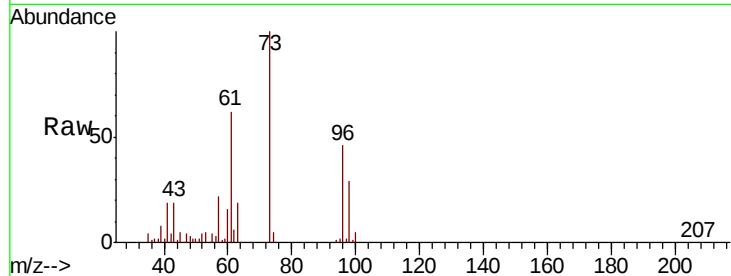
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	116102
Ion	Ratio	Lower	Upper
96	100		
61	134.2	107.6	161.4
98	62.4	47.6	71.4

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:39:37 PM



#22

Diisopropyl ether

Concen: 53.181 ug/l

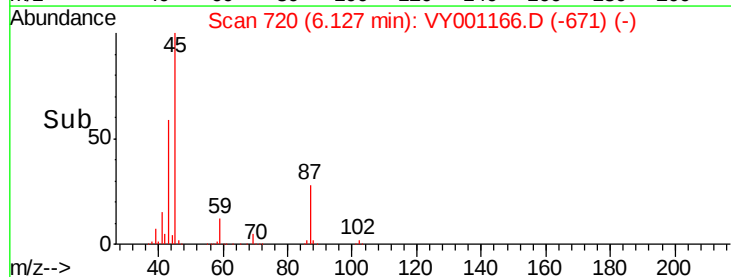
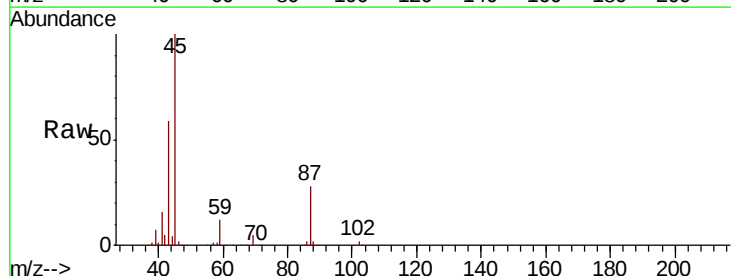
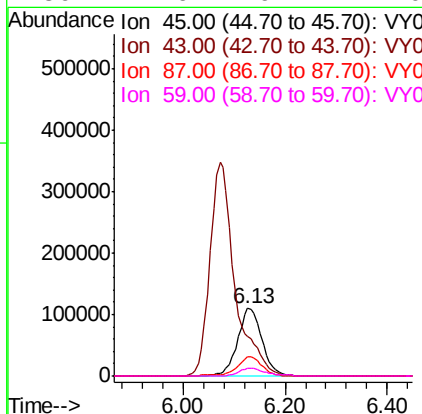
RT: 6.13 min Scan# 720

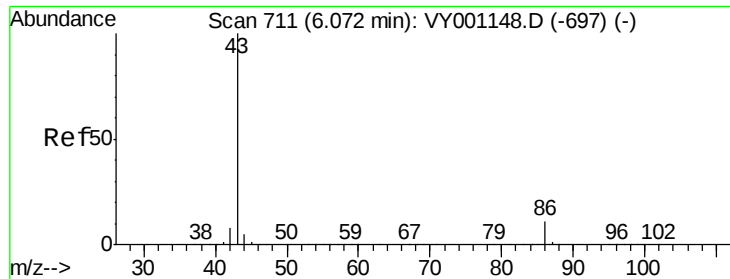
Delta R.T. 0.00 min

Lab File: VY001166.D

Acq: 10 Jan 2020 22:28

Tgt Ion:	45	Resp:	365081
Ion	Ratio	Lower	Upper
45	100		
43	58.8	46.5	69.7
87	27.6	22.5	33.7
59	11.6	9.4	14.0





#23

Vinyl Acetate

Concen: 268.695 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY001166.D

Acq: 10 Jan 2020 22:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1179674

Ion Ratio Lower Upper

43 100

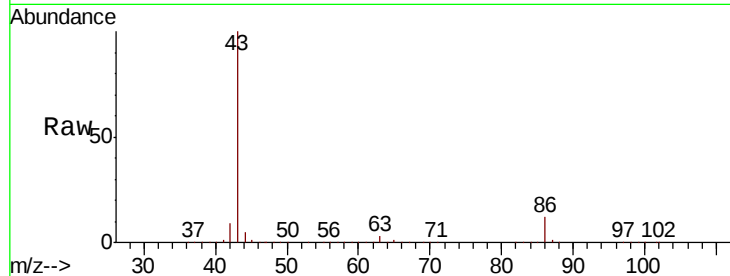
86 11.6 9.0 13.4

Manual Integrations

APPROVED

MMDadoda

1/13/2020 12:39:37 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

400000

300000

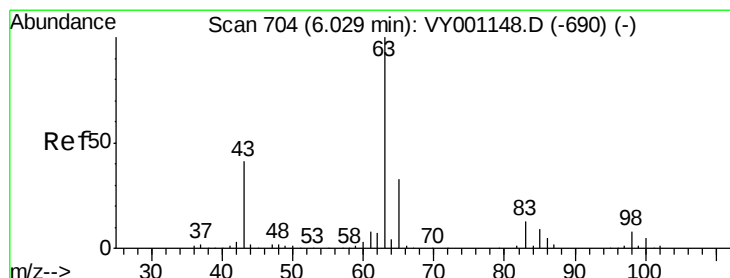
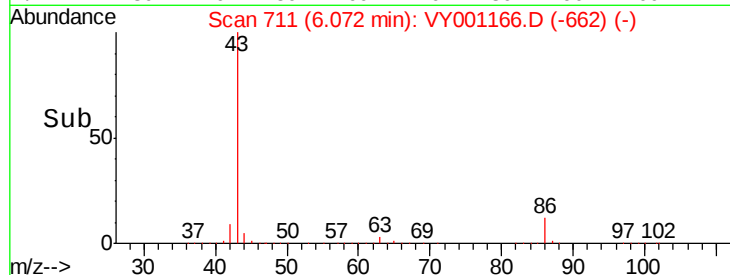
200000

100000

0

5.90 6.00 6.10 6.20 6.30

Time-->



#24

1,1-Dichloroethane

Concen: 52.340 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY001166.D

Acq: 10 Jan 2020 22:28

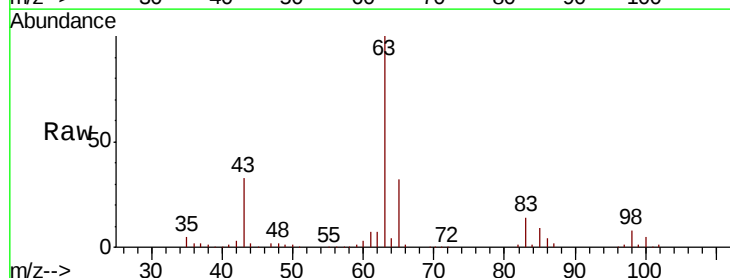
Tgt Ion: 63 Resp: 196706

Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.7

100 4.7 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.03

80000

60000

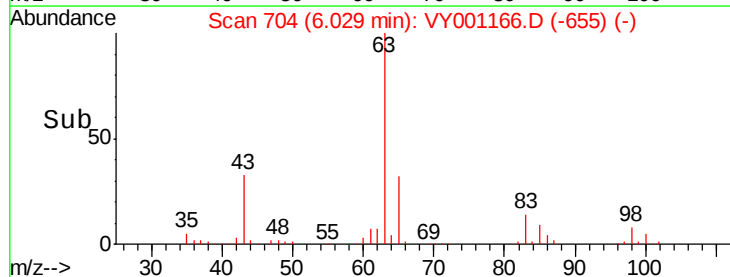
40000

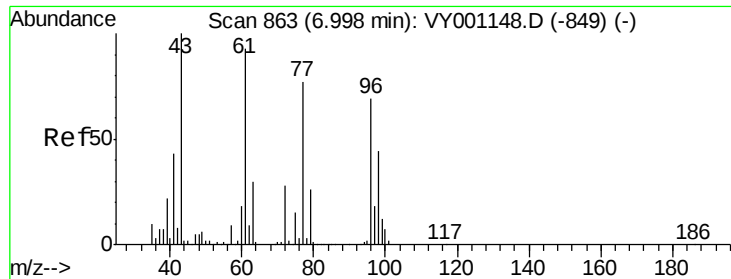
20000

0

5.90 6.00 6.10 6.20

Time-->





#25

2-Butanone

Concen: 275.666 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001166.D

Acq: 10 Jan 2020 22:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 205002

Ion Ratio Lower Upper

43 100

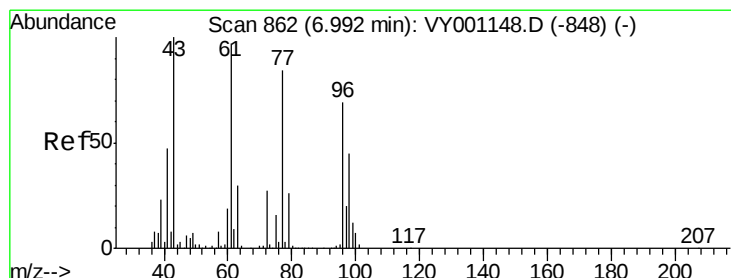
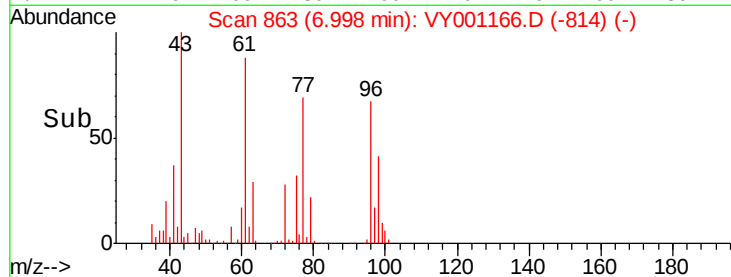
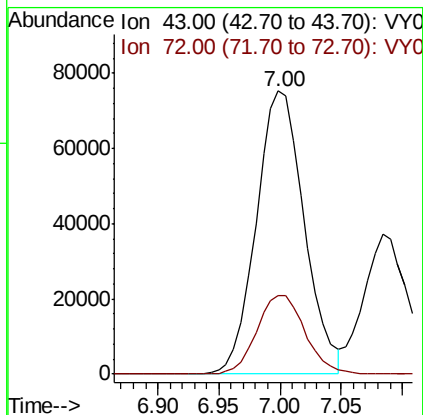
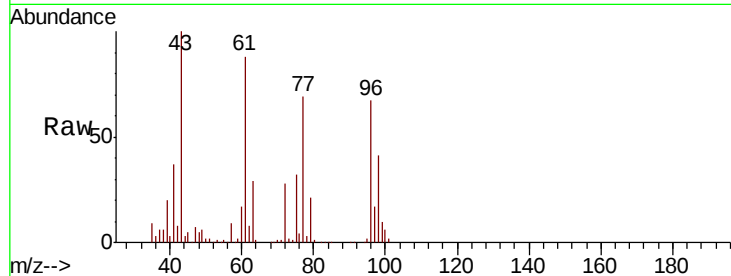
72 27.9 22.2 33.2

Manual Integrations

APPROVED

MMDadoda

1/13/2020 12:39:37 PM



#26

2,2-Dichloropropane

Concen: 46.863 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY001166.D

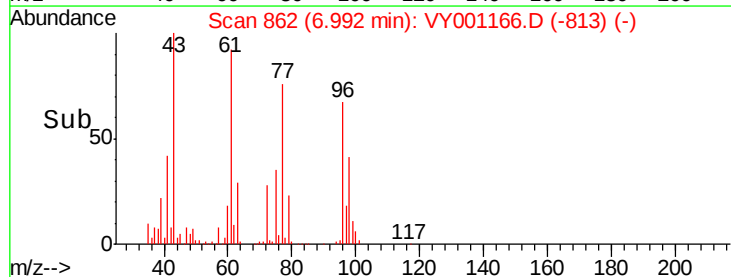
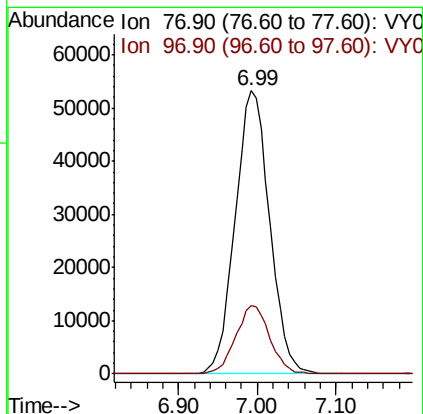
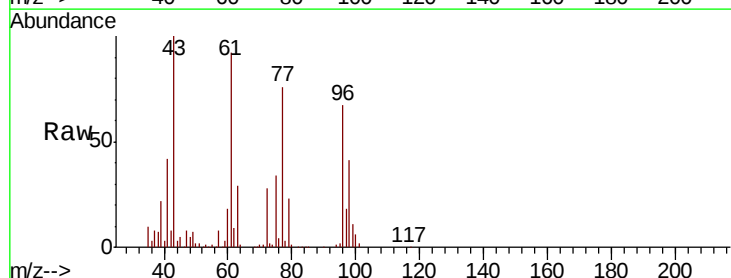
Acq: 10 Jan 2020 22:28

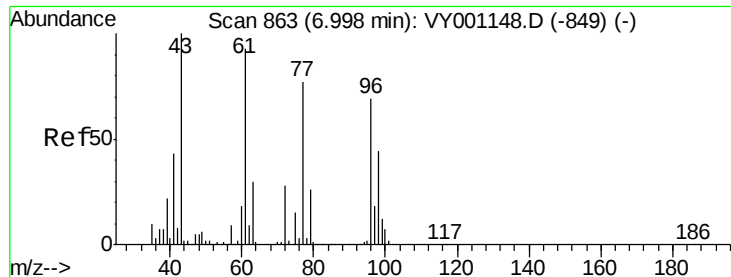
Tgt Ion: 77 Resp: 161958

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.7





#27

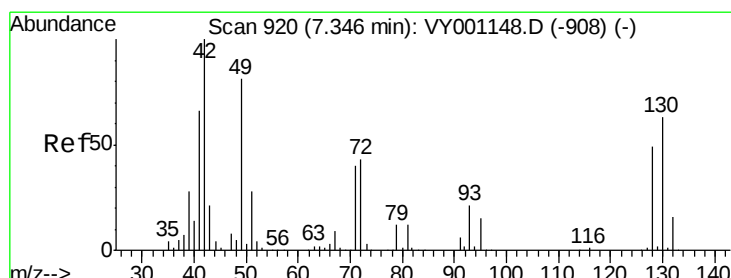
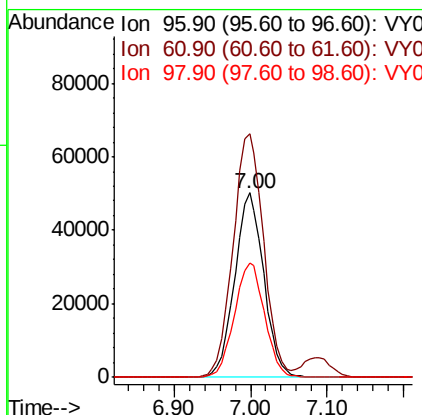
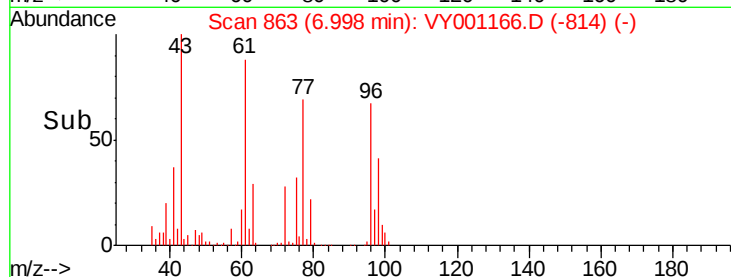
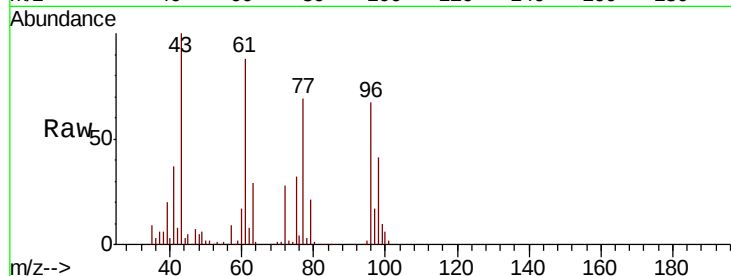
cis-1,2-Dichloroethene
Concen: 53.113 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.3	0.0	284.0	
98	64.8	0.0	130.2	

Manual Integrations
APPROVED

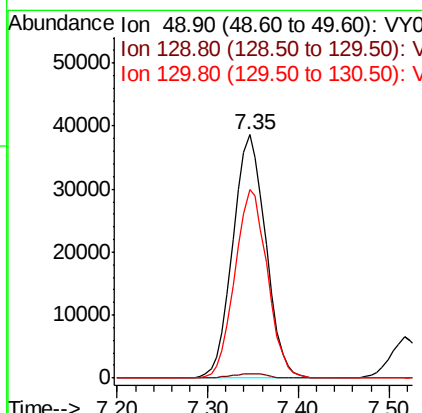
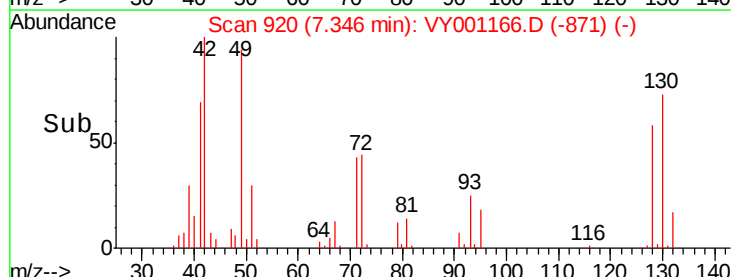
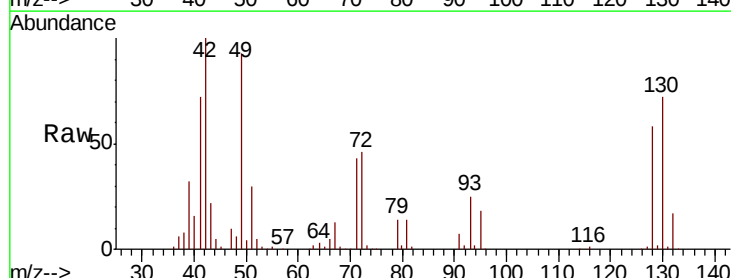
MMDadoda
1/13/2020 12:39:37 PM

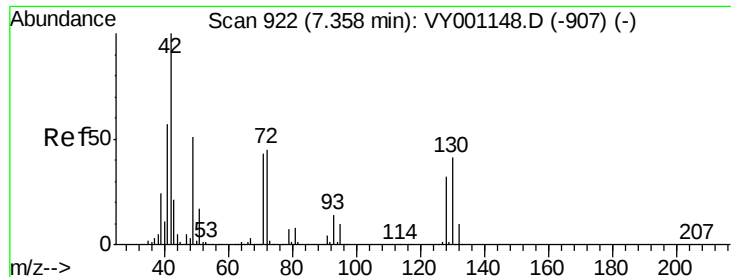


#28

Bromochloromethane
Concen: 63.075 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.4	
130	76.5	61.2	91.8	





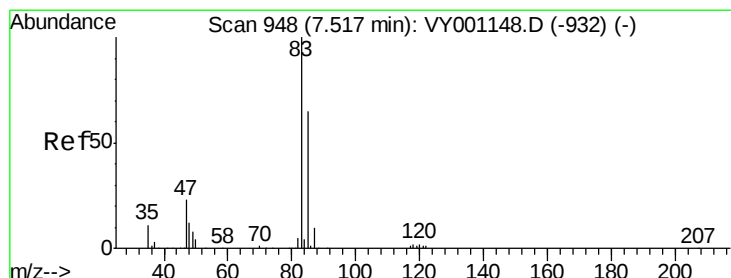
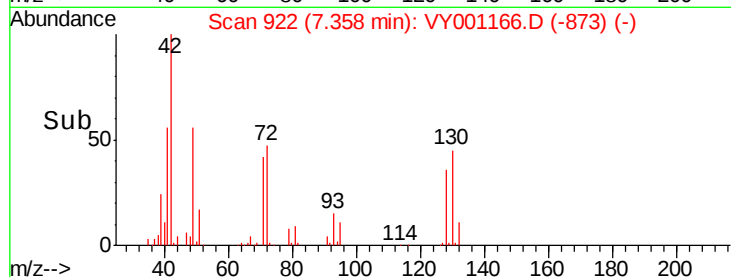
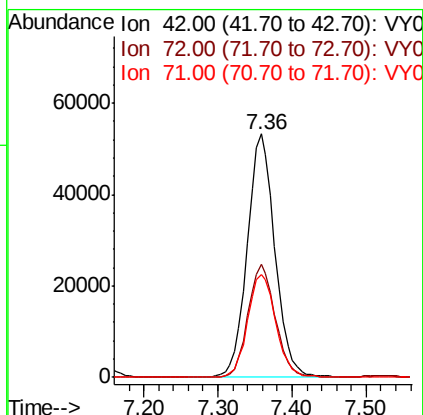
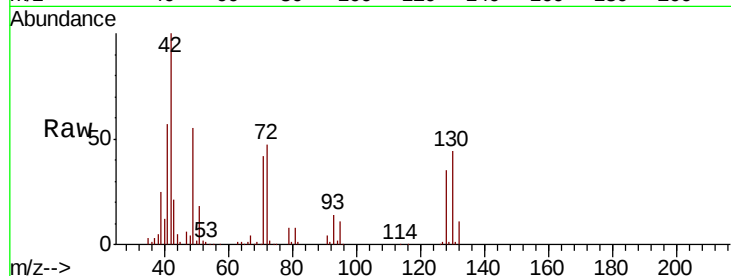
#29
Tetrahydrofuran
Concen: 271.896 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	36.9	55.3
71	43.3	34.0	51.0

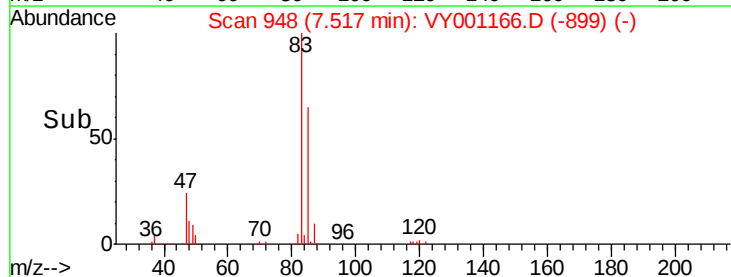
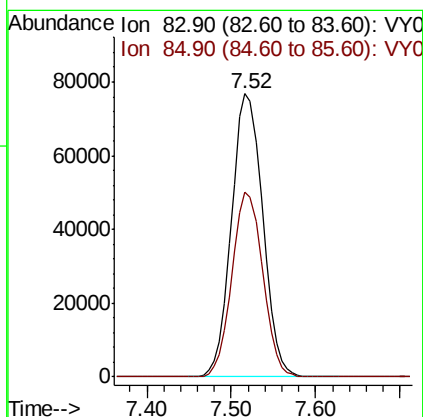
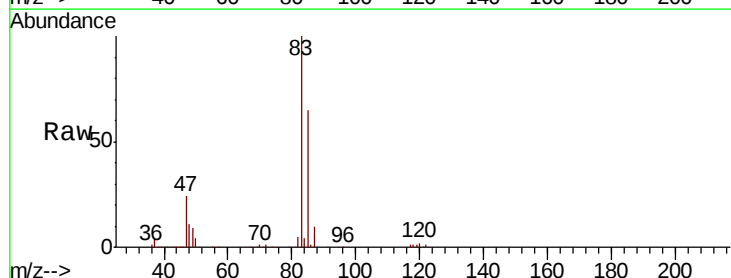
Manual Integrations
APPROVED

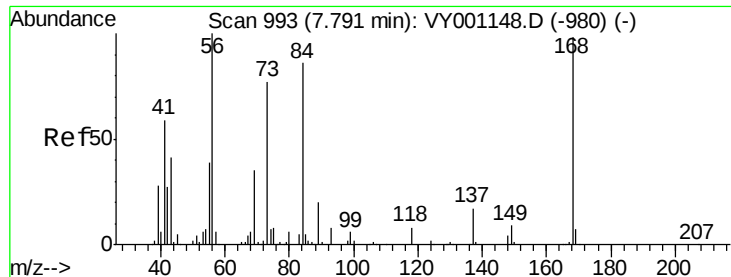
MMDadoda
1/13/2020 12:39:37 PM



#30
Chloroform
Concen: 52.364 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.9	77.9





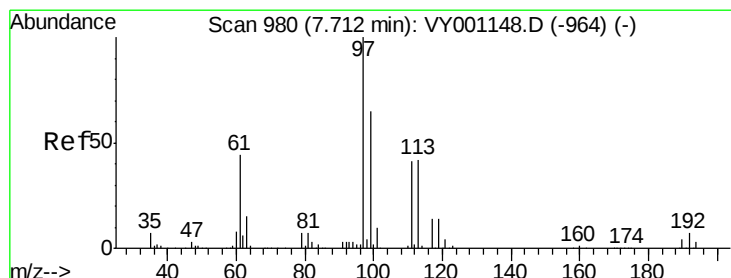
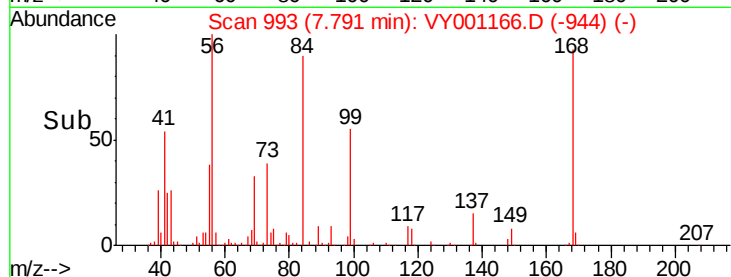
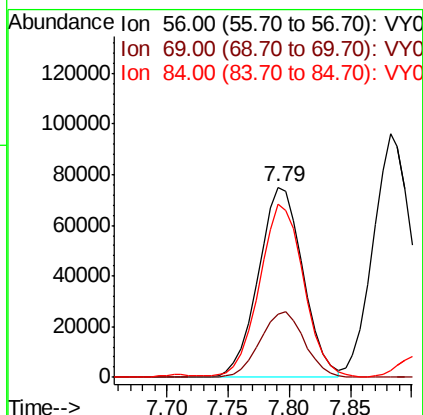
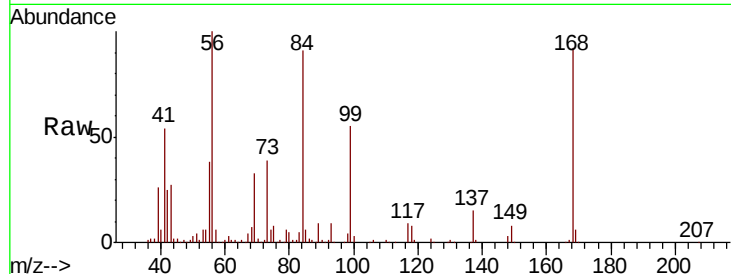
#31
Cyclohexane
Concen: 47.964 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.2	27.8	41.8
84	90.1	68.9	103.3

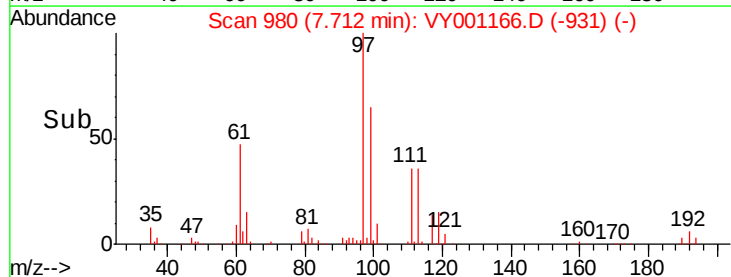
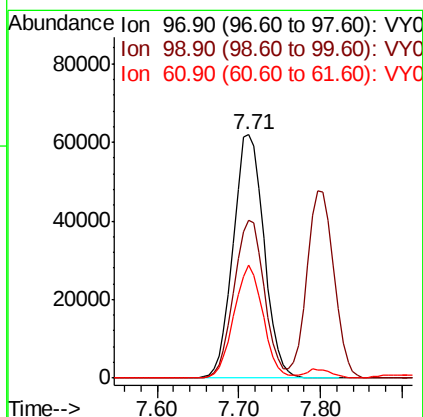
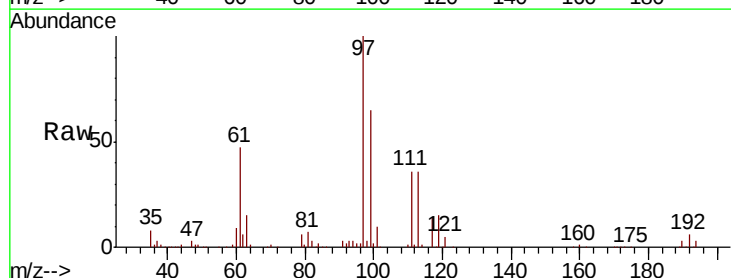
Manual Integrations
APPROVED

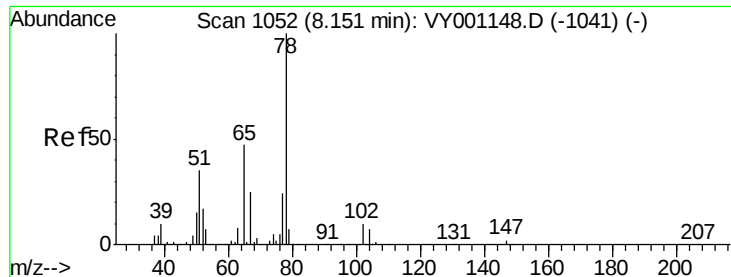
MMDadoda
1/13/2020 12:39:37 PM



#32
1,1,1-Trichloroethane
Concen: 49.518 ug/l
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.3	76.9
61	44.0	34.6	52.0





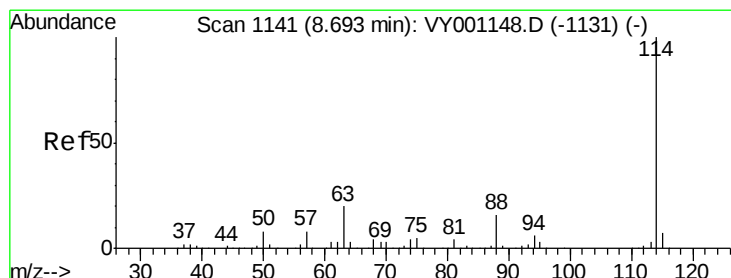
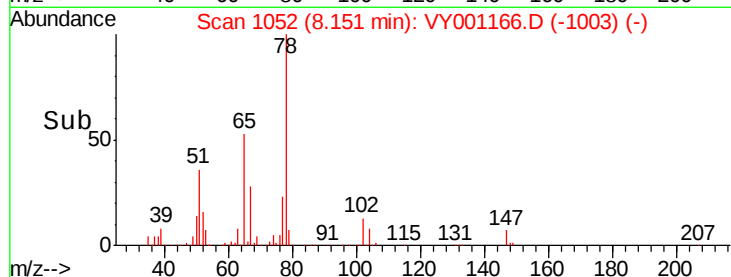
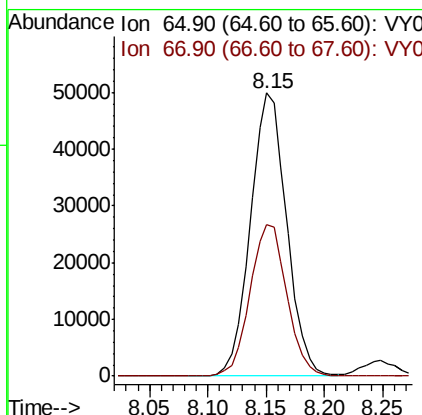
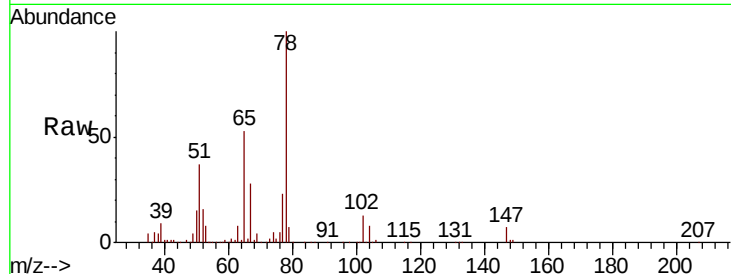
#33
 1,2-Dichloroethane-d4
 Concen: 52.579 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY001166.D
 Acq: 10 Jan 2020 22:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	105.2

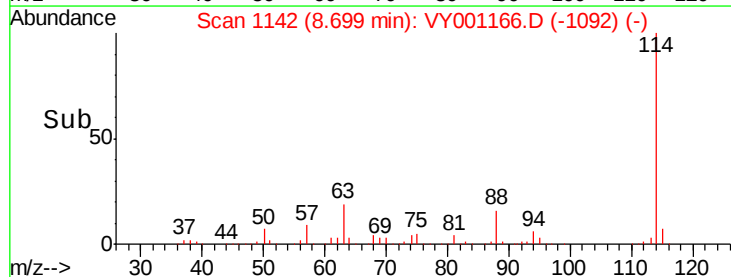
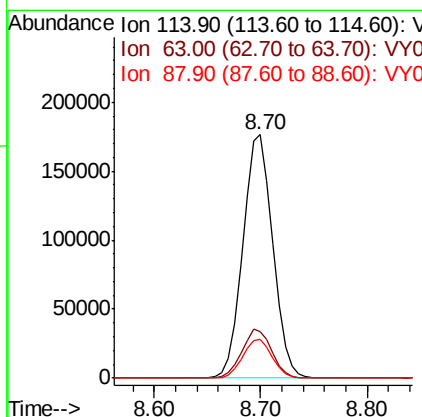
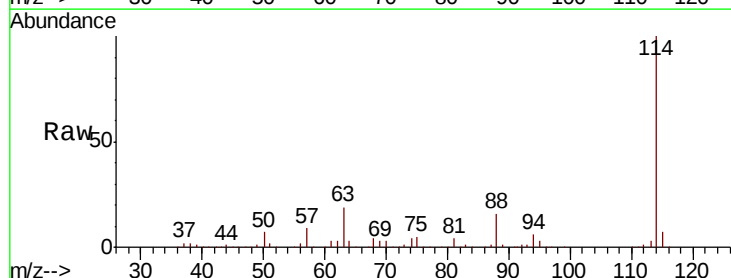
Manual Integrations
 APPROVED

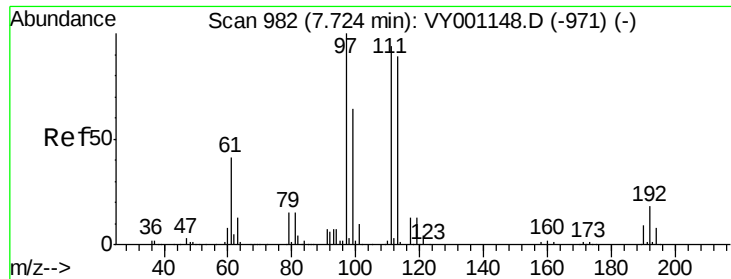
MMDadoda
 1/13/2020 12:39:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001166.D
 Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	40.8
88	15.7	0.0	32.4





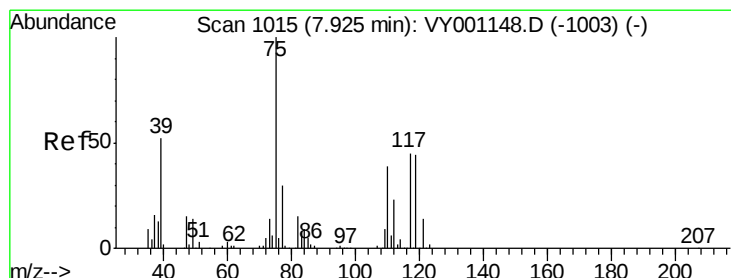
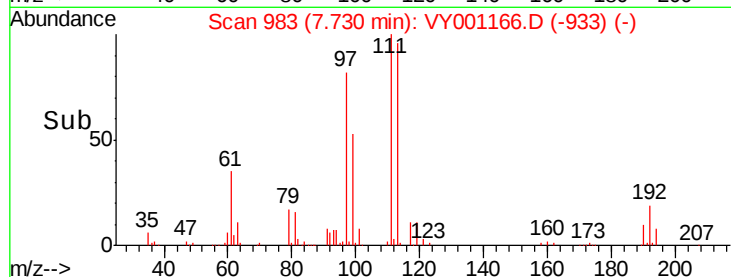
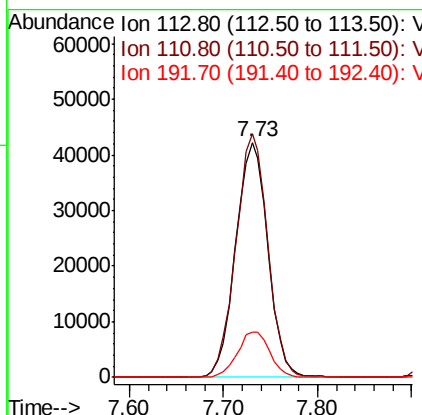
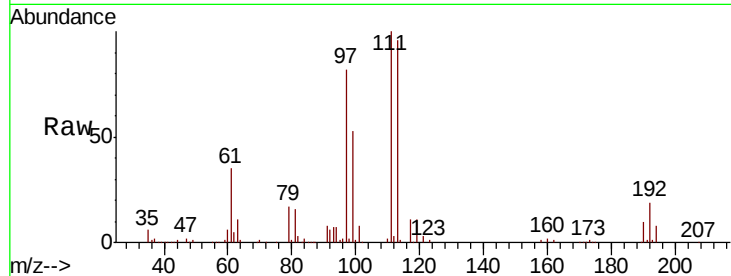
#35
Dibromofluoromethane
Concen: 49.548 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.01 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	100773		
111	102.8	82.9	124.3	
192	19.6	15.4	23.2	

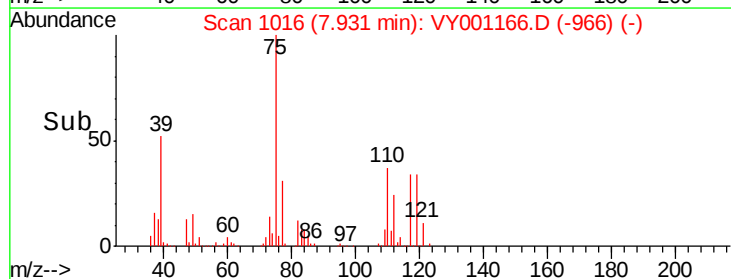
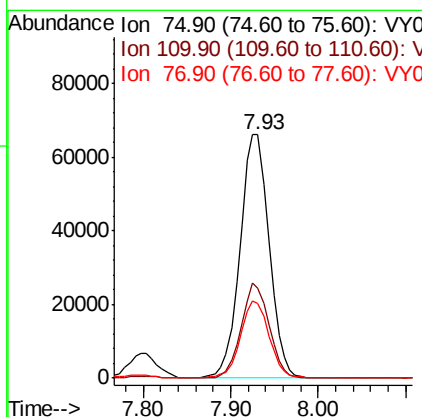
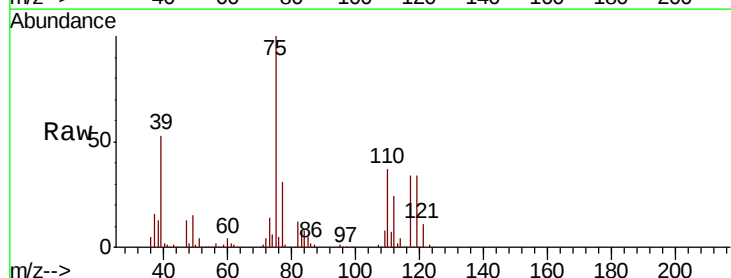
Manual Integrations
APPROVED

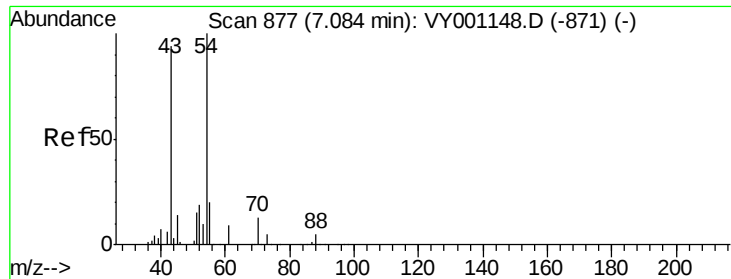
MMDadoda
1/13/2020 12:39:37 PM



#36
1,1-Dichloropropene
Concen: 48.340 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	153046		
110	37.1	18.3	54.8	
77	31.3	25.1	37.7	





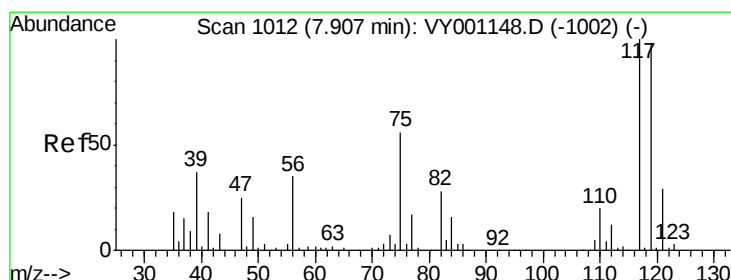
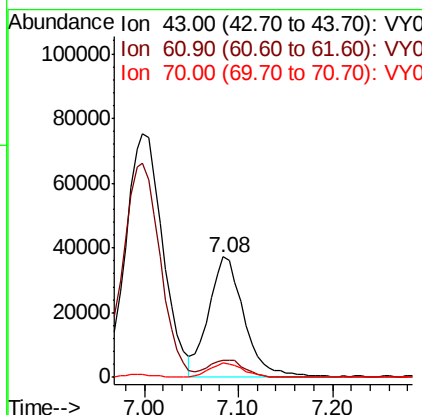
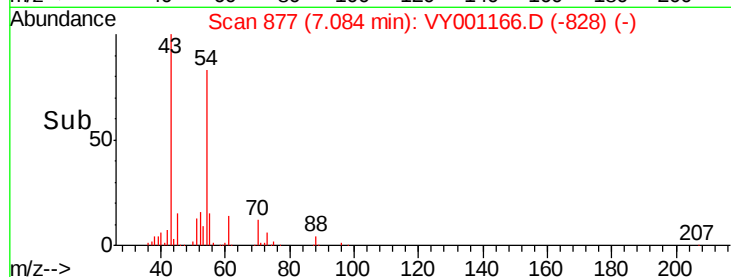
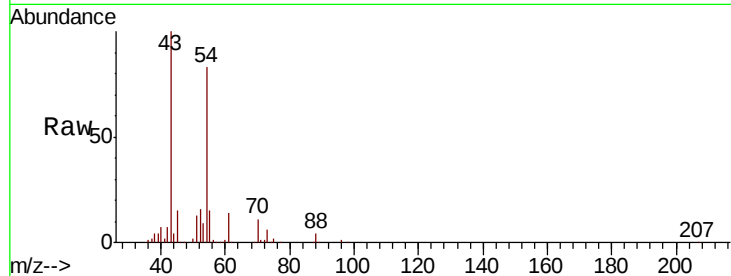
#37
Ethyl Acetate
Concen: 51.533 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.1	16.7
70	11.7	9.7	14.5

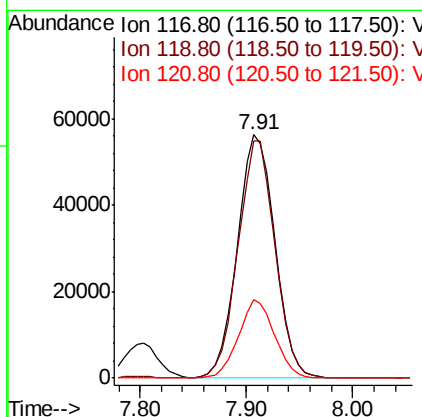
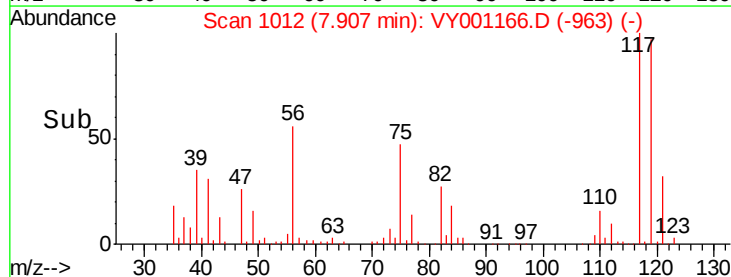
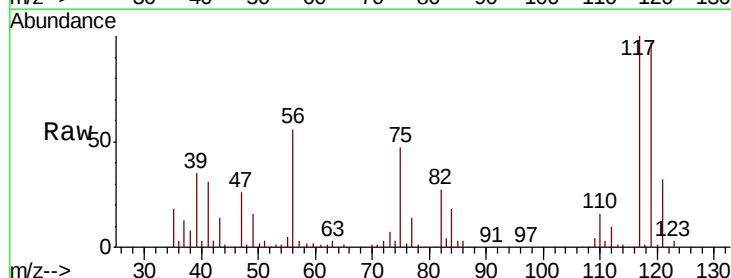
Manual Integrations
APPROVED

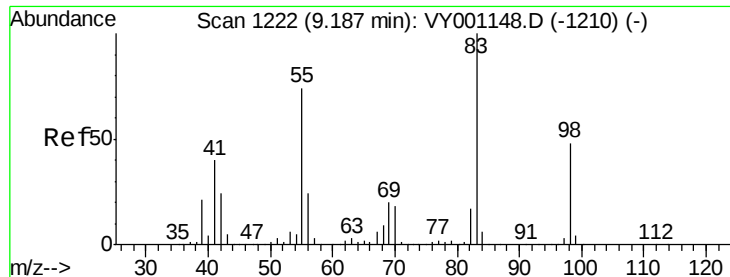
MMDadoda
1/13/2020 12:39:37 PM



#38
Carbon Tetrachloride
Concen: 48.017 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	78.3	117.5
121	32.4	23.5	35.3





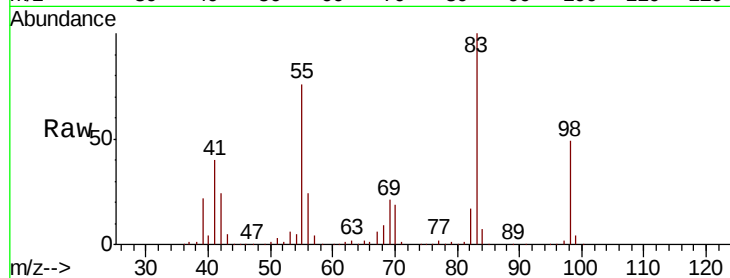
#39
Methvlcvclohexane
Concen: 48.436 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	58.9	88.3
98	49.0	38.4	57.6

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:39:37 PM

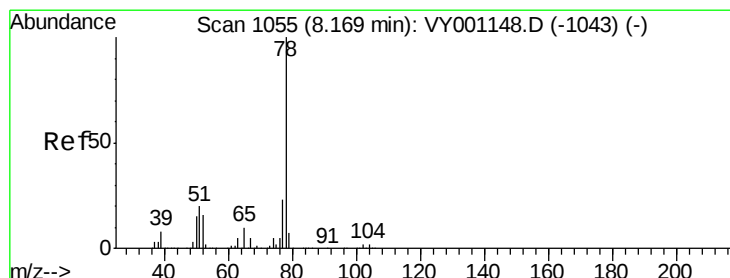
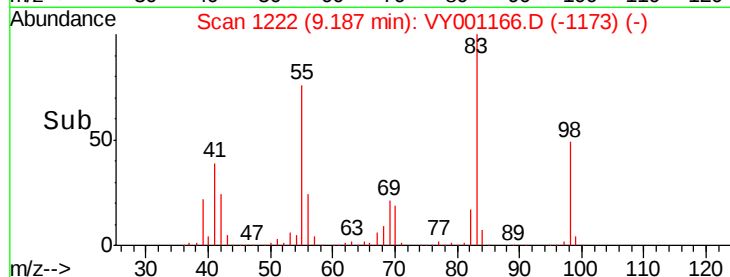
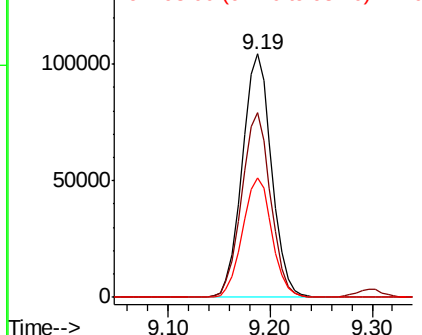


Abundance

Ion 83.00 (82.70 to 83.70): VY0

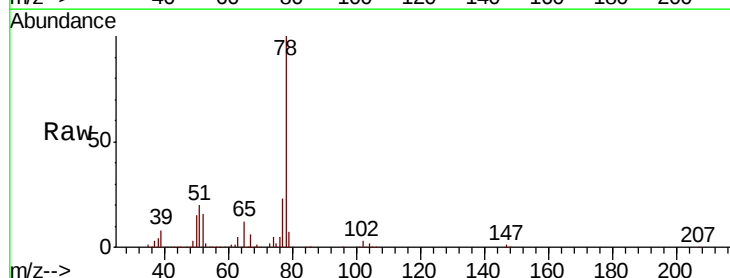
Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0



#40
Benzene
Concen: 51.099 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

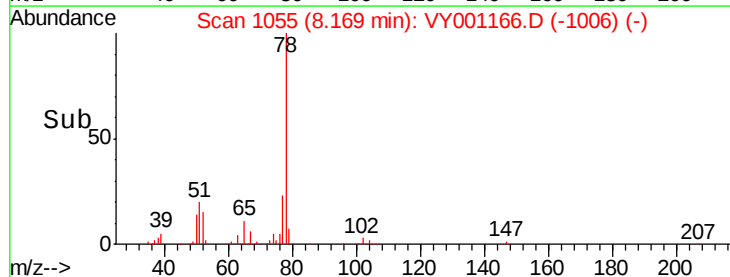
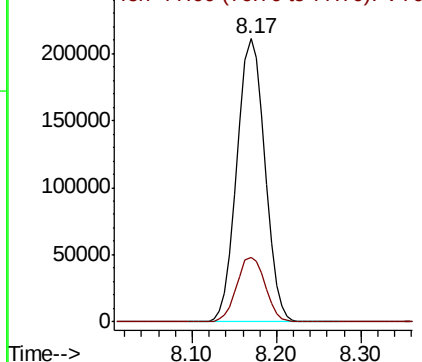
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2

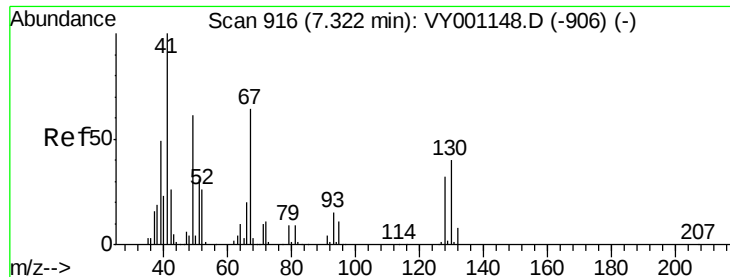


Abundance

Ion 78.00 (77.70 to 78.70): VY0

Ion 77.00 (76.70 to 77.70): VY0





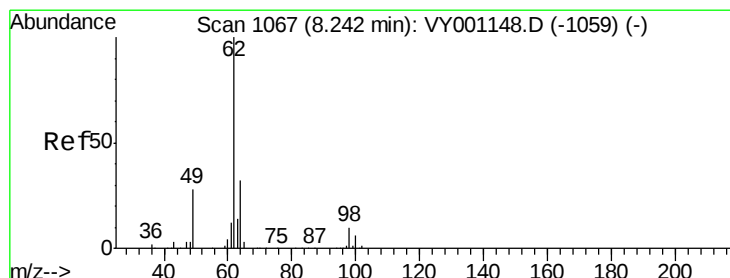
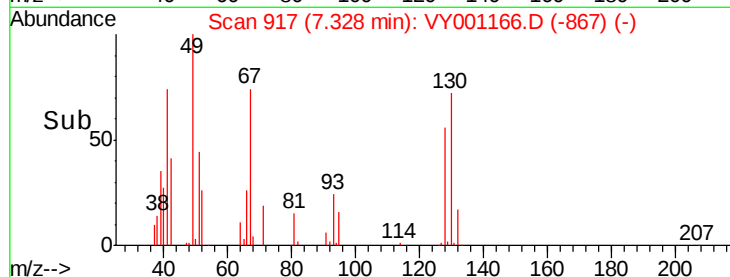
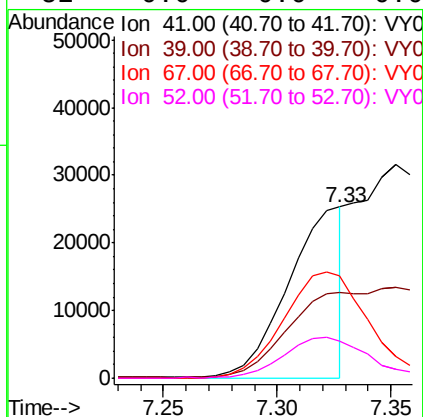
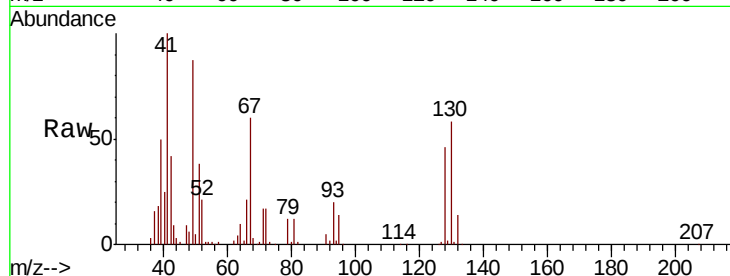
#41
Methacrylonitrile
Concen: 49.695 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. 0.01 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	138.2	103.5	155.3
67	0.0	0.0	0.0
52	0.0	0.0	0.0

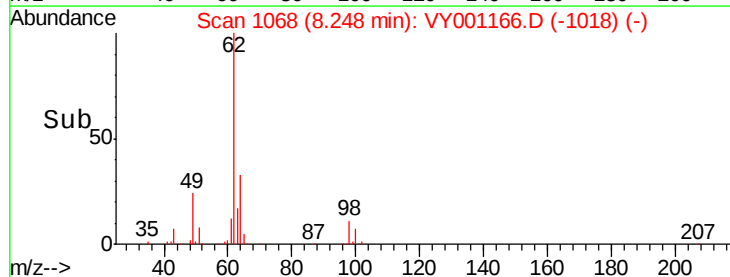
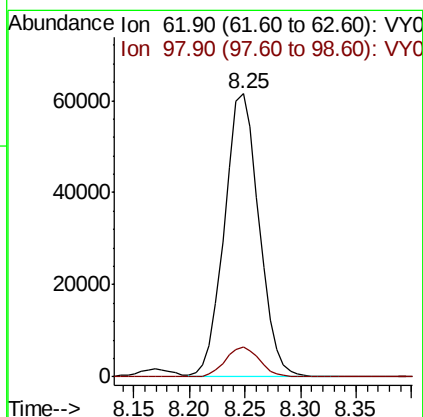
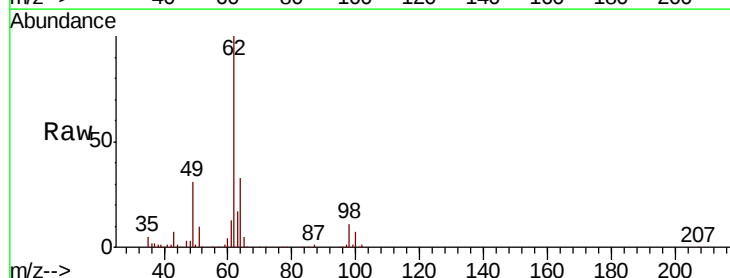
Manual Integrations
APPROVED

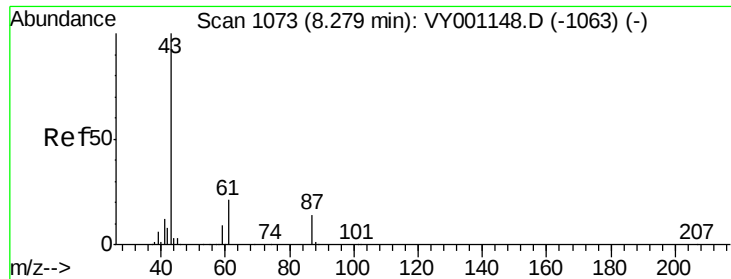
MMDadoda
1/13/2020 12:39:37 PM



#42
1,2-Dichloroethane
Concen: 51.192 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.4





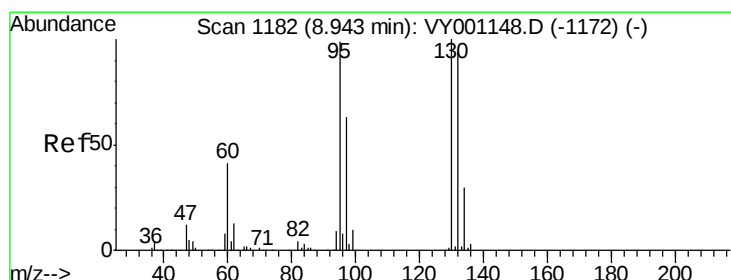
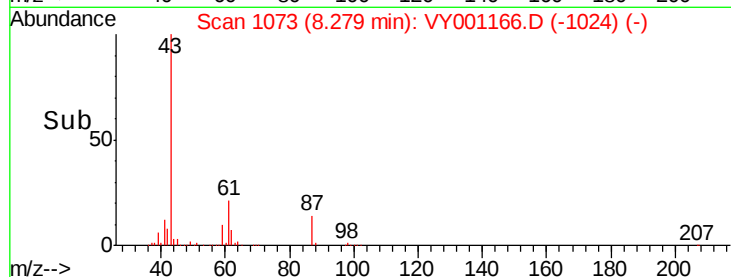
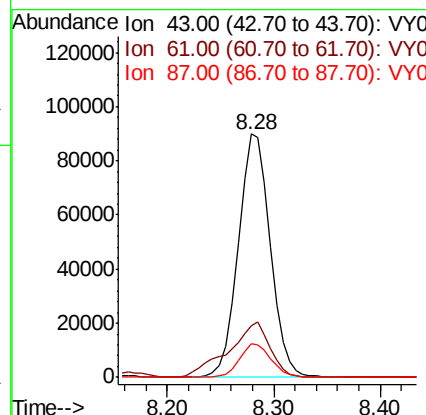
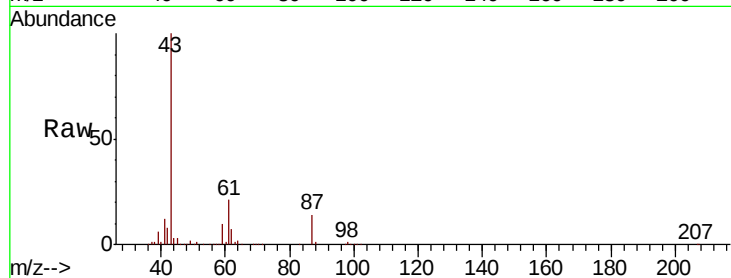
#43
Isopropyl Acetate
Concen: 52.949 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.4	23.9	35.9
87	13.7	11.4	17.2

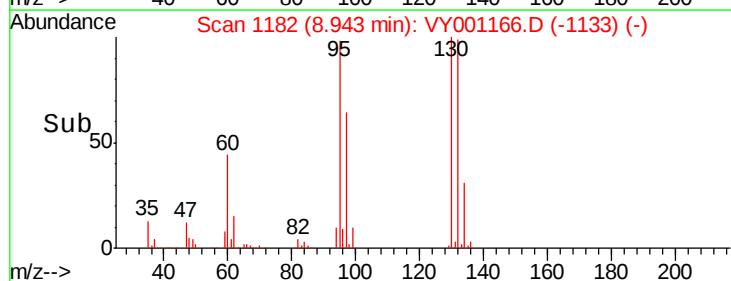
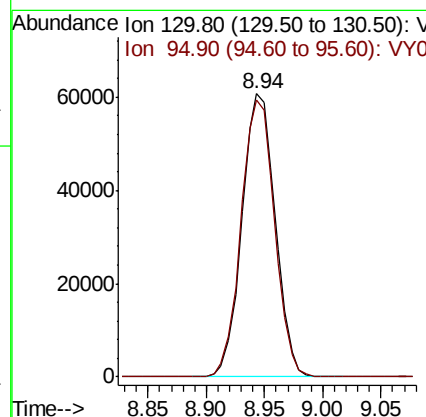
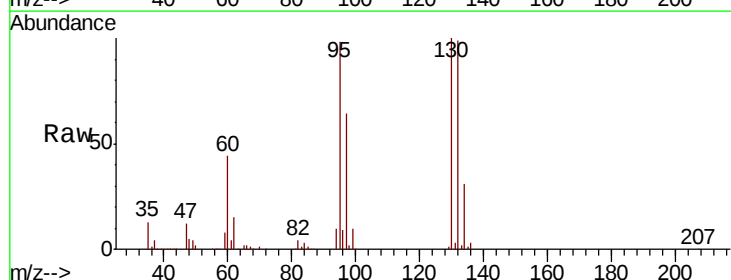
Manual Integrations
APPROVED

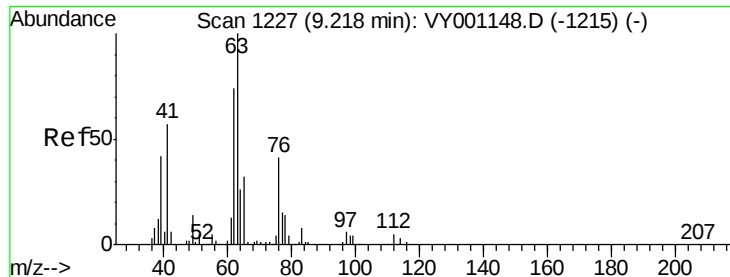
MMDadoda
1/13/2020 12:39:37 PM



#44
Trichloroethene
Concen: 50.296 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	197.6





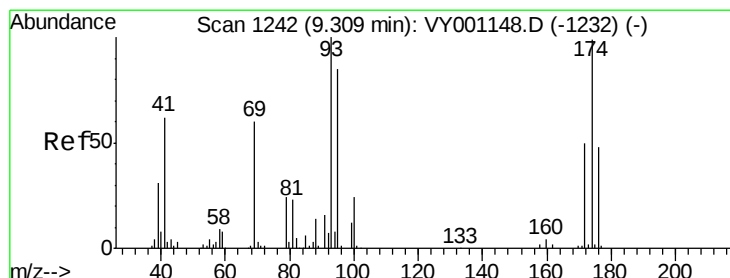
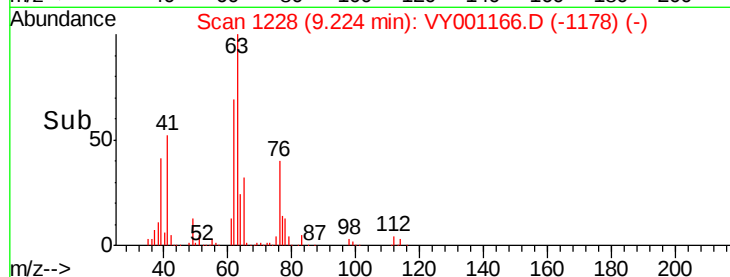
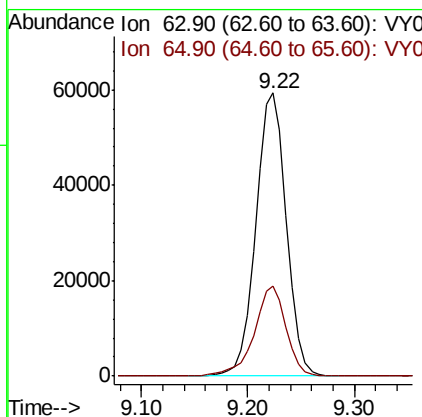
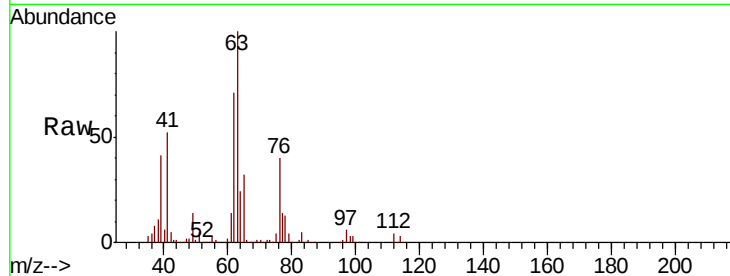
#45
 1,2-Dichloropropane
 Concen: 51.883 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY001166.D
 Acq: 10 Jan 2020 22:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 118540
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.8 38.8

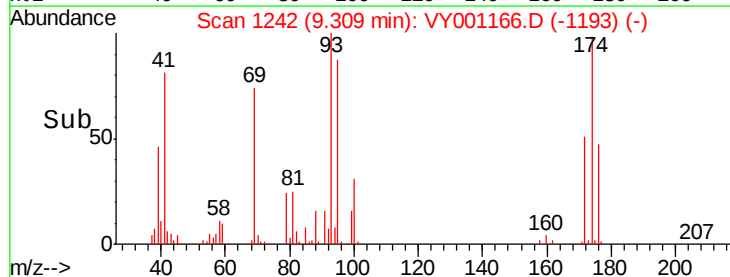
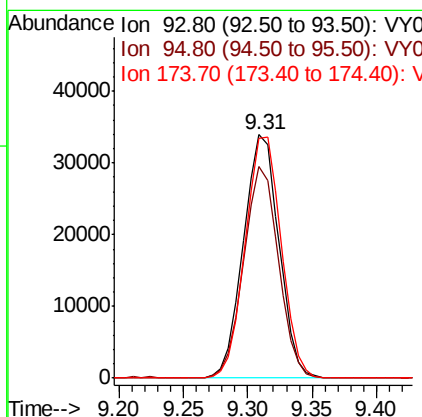
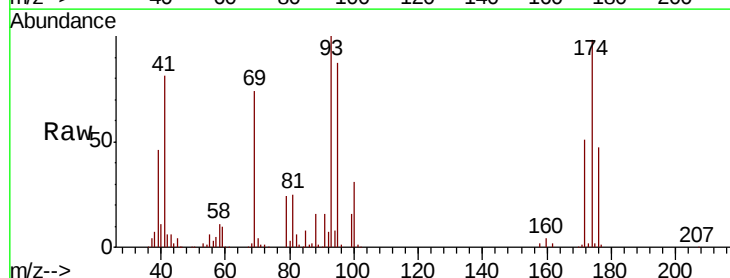
Manual Integrations
 APPROVED

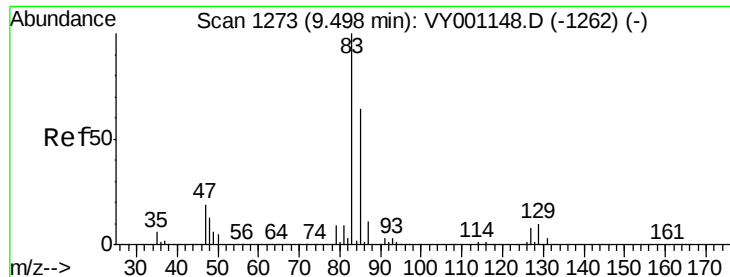
MMDadoda
 1/13/2020 12:39:37 PM



#46
 Dibromomethane
 Concen: 51.881 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY001166.D
 Acq: 10 Jan 2020 22:28

Tgt Ion: 93 Resp: 64676
 Ion Ratio Lower Upper
 93 100
 95 85.3 66.8 100.2
 174 100.4 78.4 117.6





#47

Bromodichloromethane

Concen: 51.682 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY001166.D

Acq: 10 Jan 2020 22:28

Instrument :

MSVOA_Y

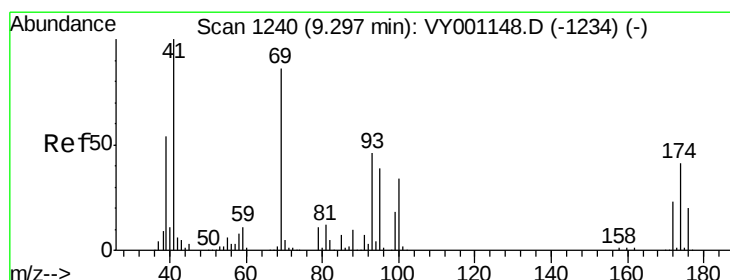
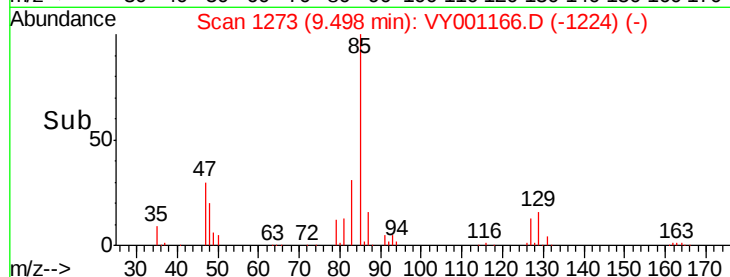
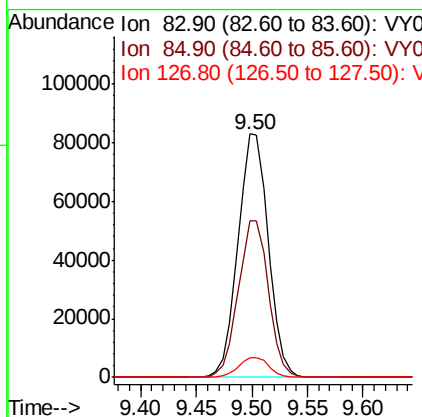
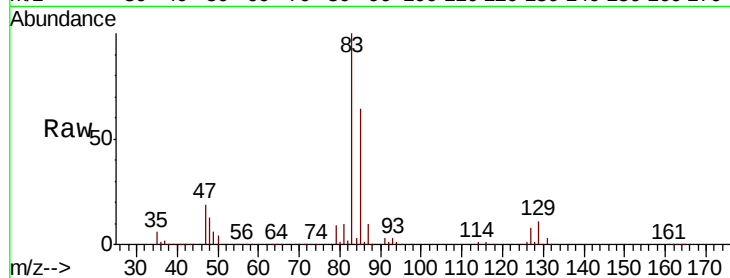
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	157017
Ion Ratio	Lower	Upper	
83	100		
85	64.3	51.5	77.3
127	8.1	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:39:37 PM



#48

Methyl methacrylate

Concen: 52.612 ug/l

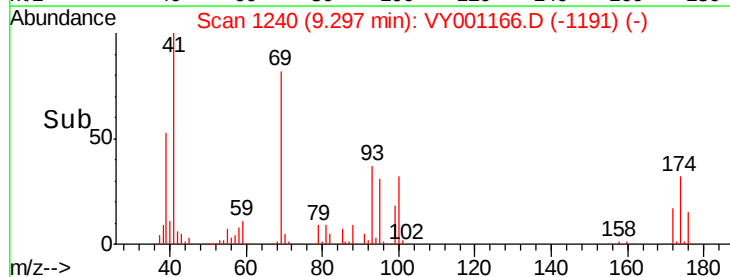
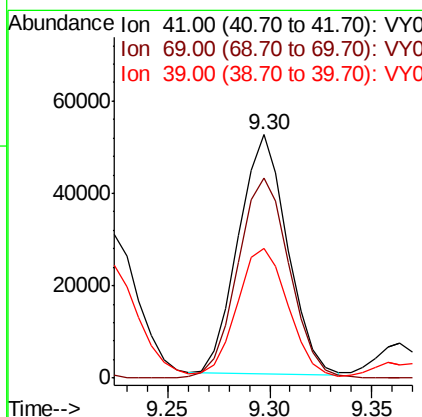
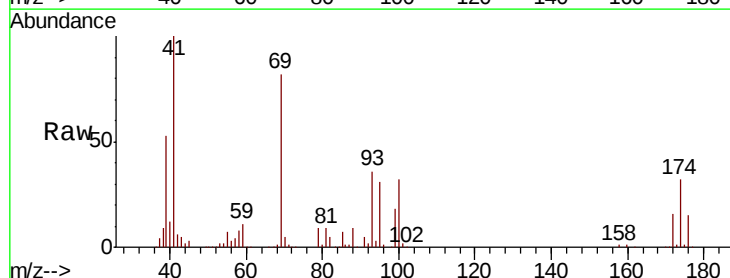
RT: 9.30 min Scan# 1240

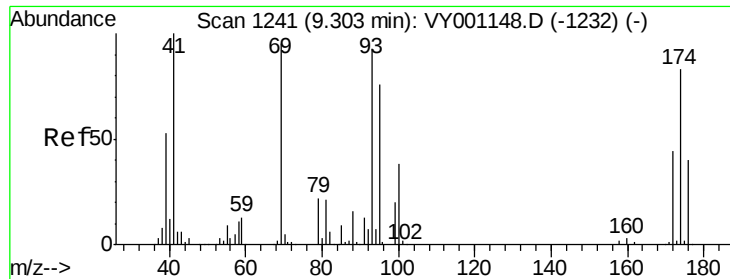
Delta R.T. 0.00 min

Lab File: VY001166.D

Acq: 10 Jan 2020 22:28

Tgt Ion:	41	Resp:	86503
Ion Ratio	Lower	Upper	
41	100		
69	88.2	69.8	104.8
39	56.7	45.2	67.8





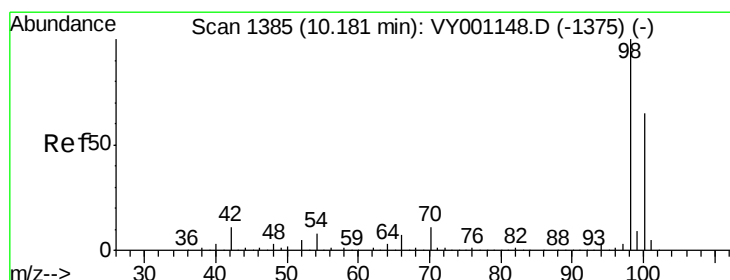
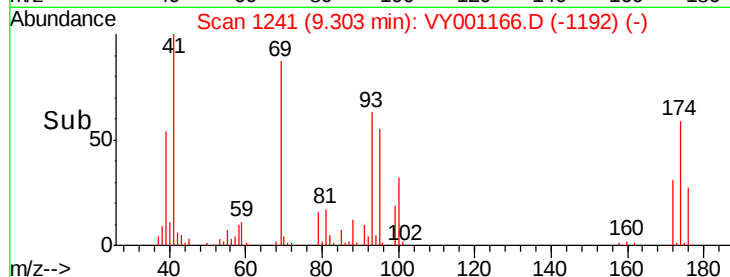
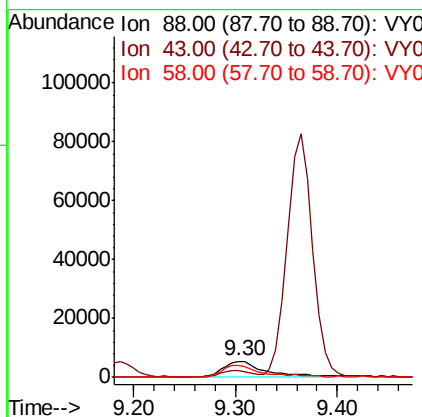
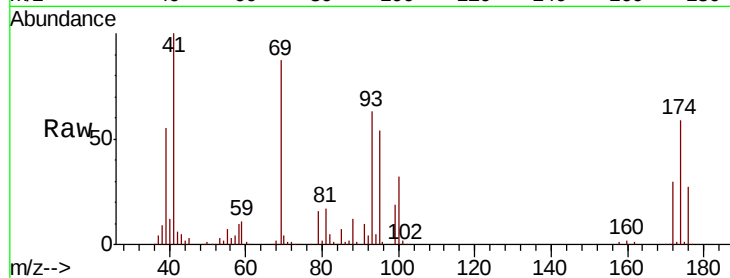
#49
1,4-Dioxane
Concen: 1058.389 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	16068
Ion Ratio	Lower	Upper	
88	100		
43	28.9	22.4	33.6
58	62.2	58.0	87.0

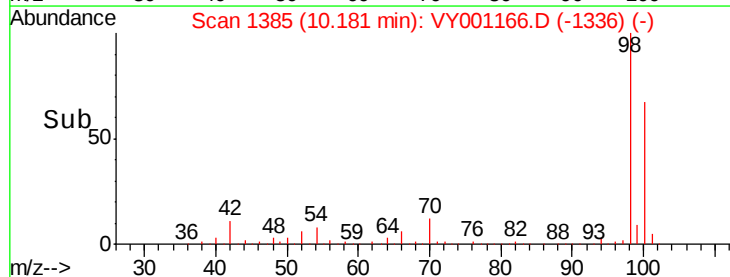
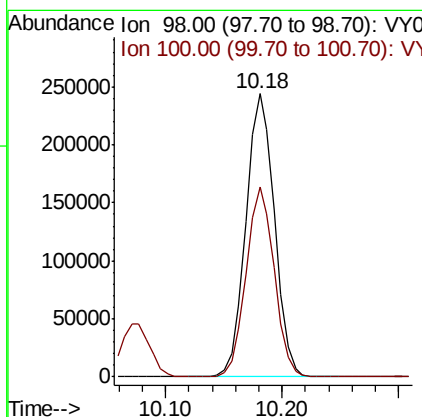
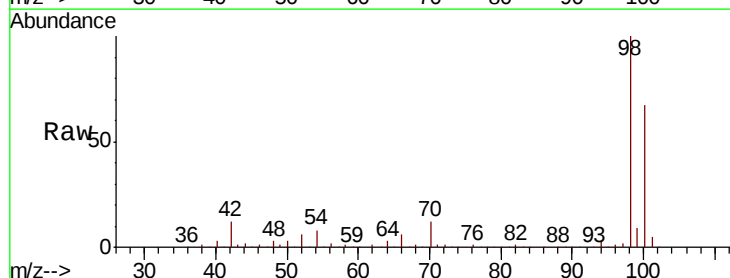
Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:39:37 PM



#50
Toluene-d8
Concen: 53.178 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Tgt Ion	98	Resp	416737
Ion Ratio	Lower	Upper	
98	100		
100	66.3	53.1	79.7





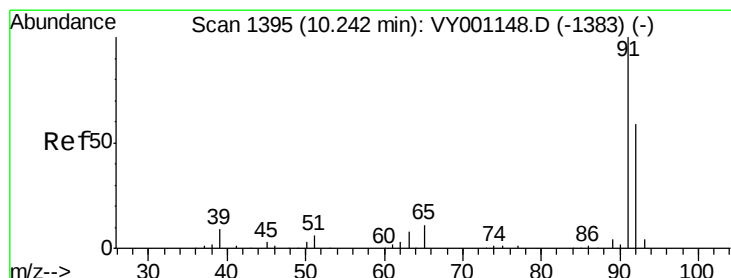
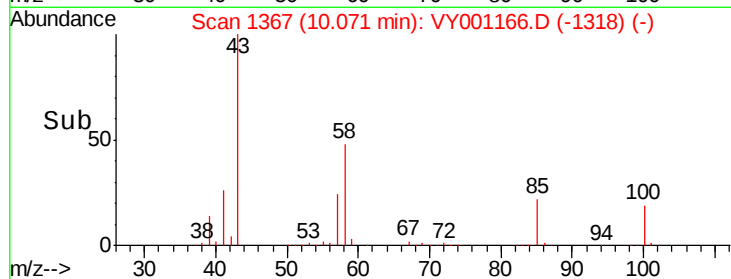
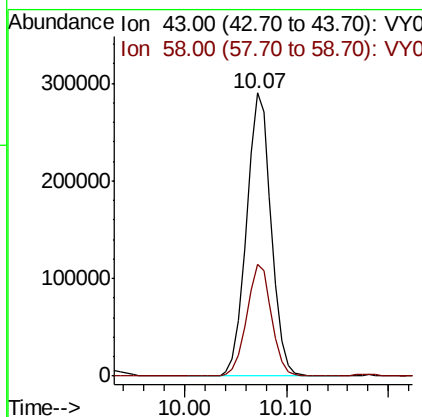
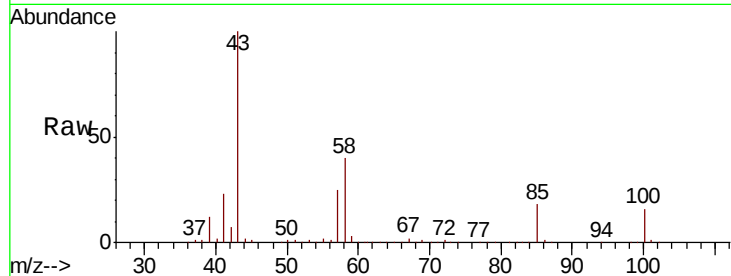
#51
4-Methyl-2-Pentanone
Concen: 269.911 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.8	32.3	48.5

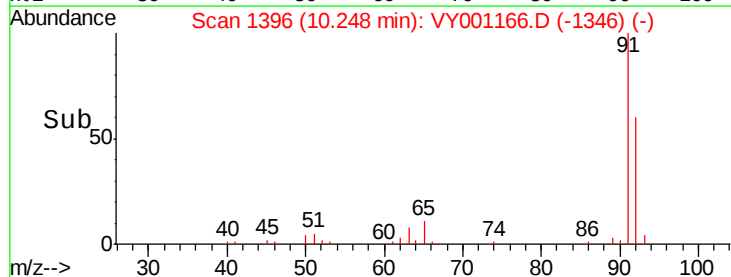
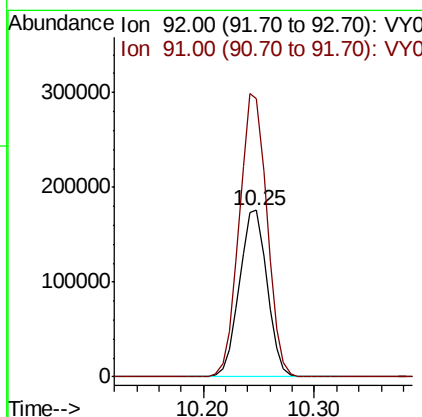
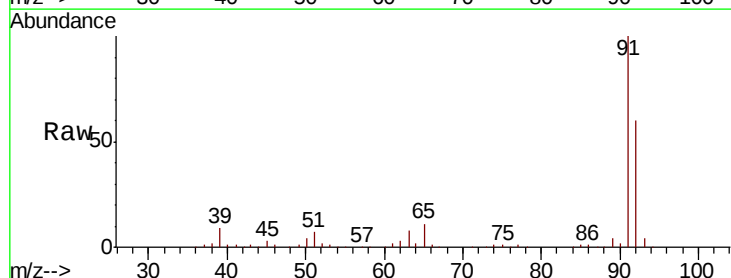
Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:39:37 PM



#52
Toluene
Concen: 51.479 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.01 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.3	136.6	204.8





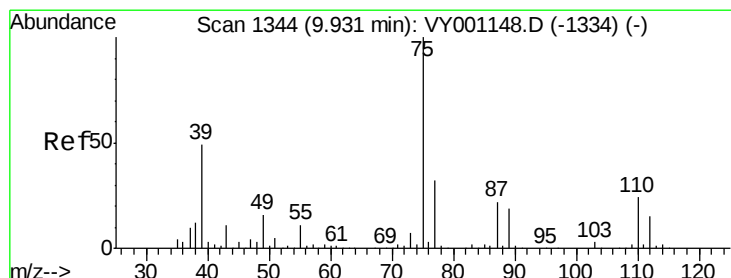
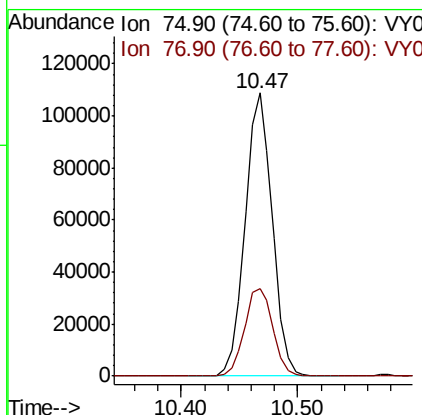
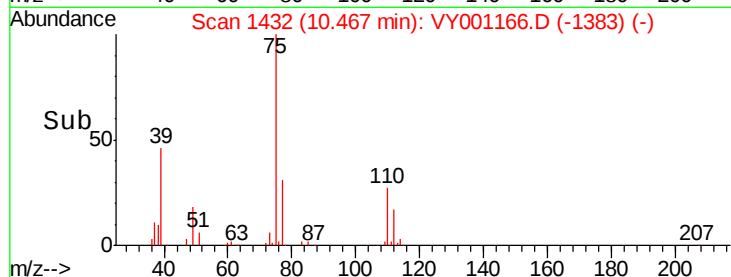
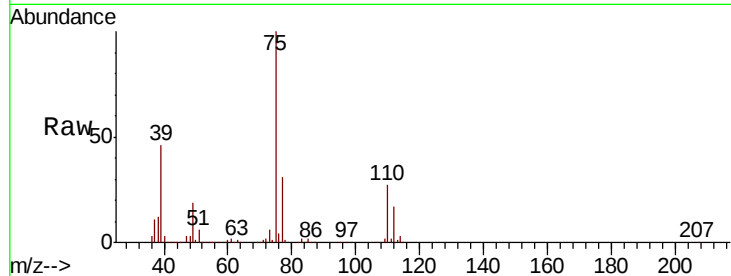
#53
t-1,3-Dichloropropene
Concen: 51.747 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	26.2	39.2

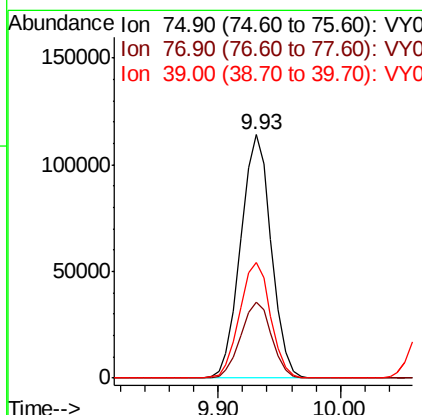
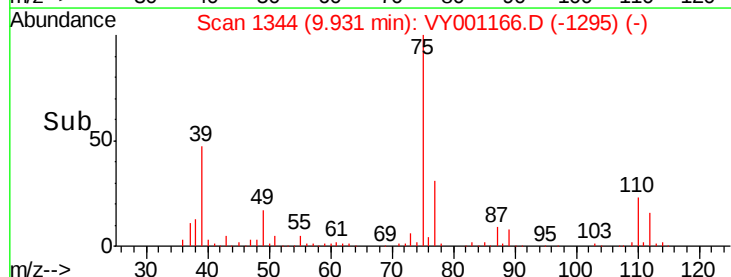
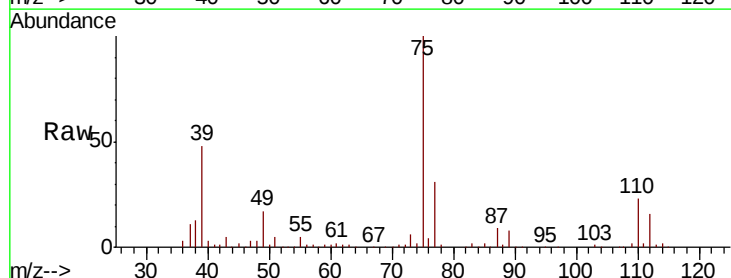
Manual Integrations
APPROVED

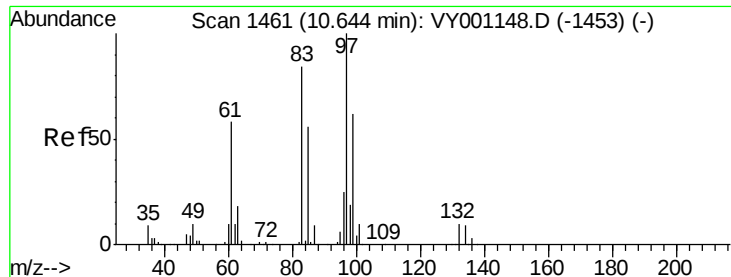
MMDadoda
1/13/2020 12:39:37 PM



#54
cis-1,3-Dichloropropene
Concen: 51.437 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.3	37.9
39	47.5	39.1	58.7





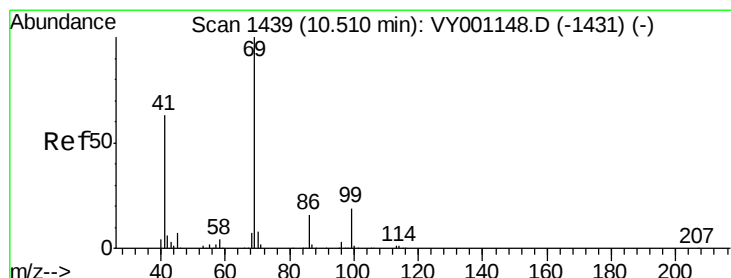
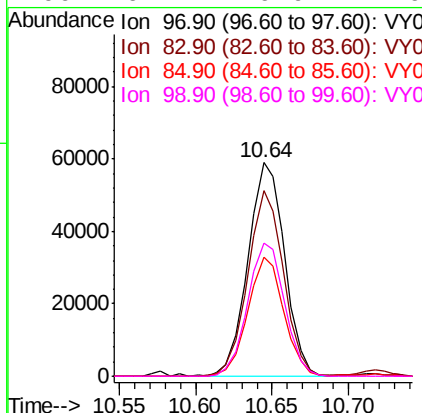
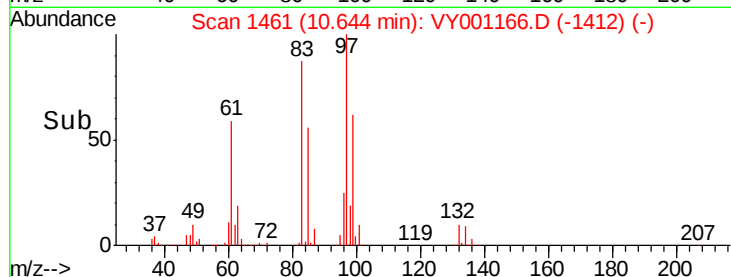
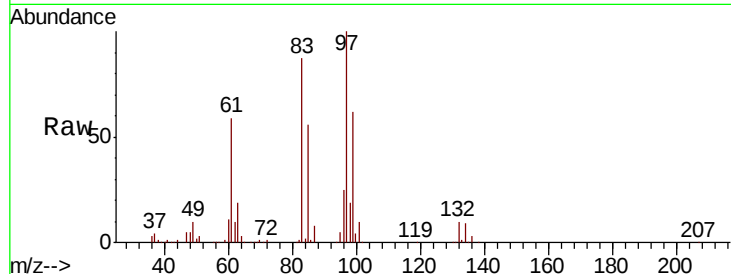
#55
 1,1,2-Trichloroethane
 Concen: 53.298 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY001166.D
 Acq: 10 Jan 2020 22:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	98500
Ion	Ratio	Lower	Upper
97	100		
83	87.0	67.2	100.8
85	55.6	44.9	67.3
99	62.1	49.9	74.9

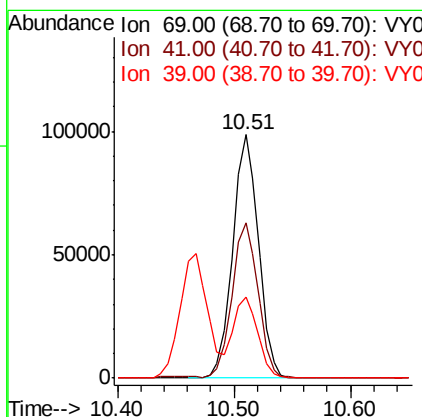
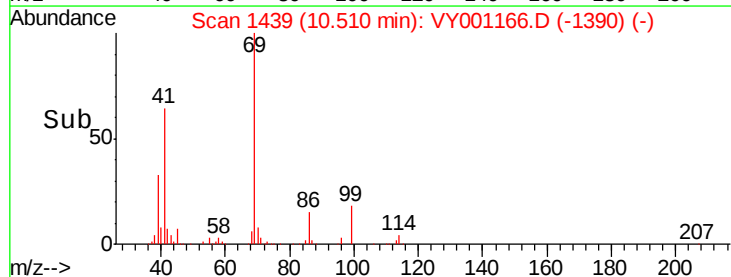
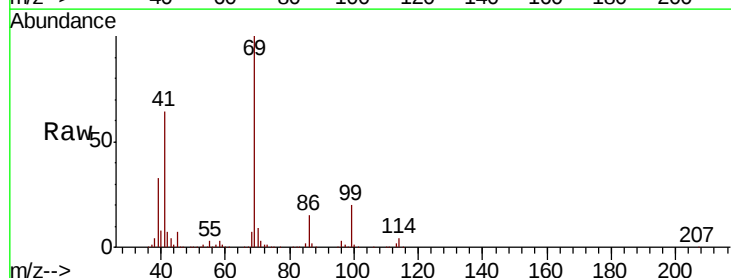
Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:39:37 PM



#56
 Ethyl methacrylate
 Concen: 53.503 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY001166.D
 Acq: 10 Jan 2020 22:28

Tgt Ion:	69	Resp:	151254
Ion	Ratio	Lower	Upper
69	100		
41	64.2	51.4	77.2
39	31.3	26.3	39.5





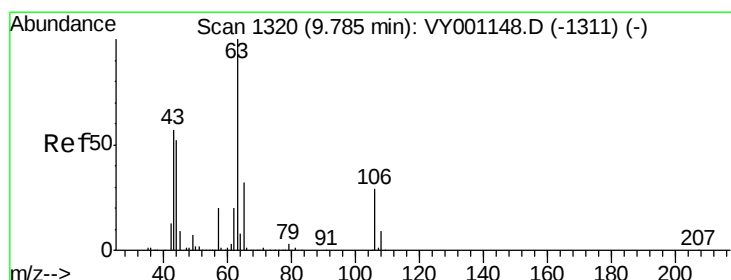
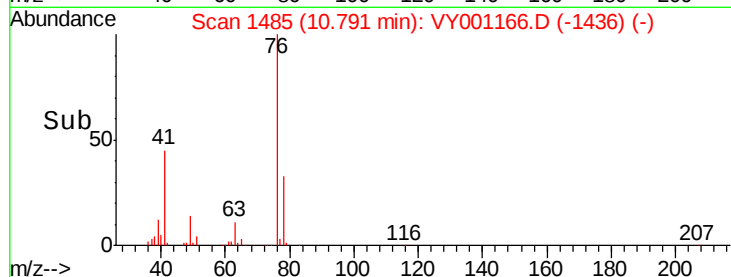
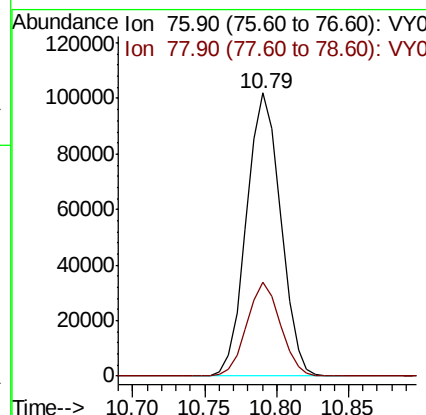
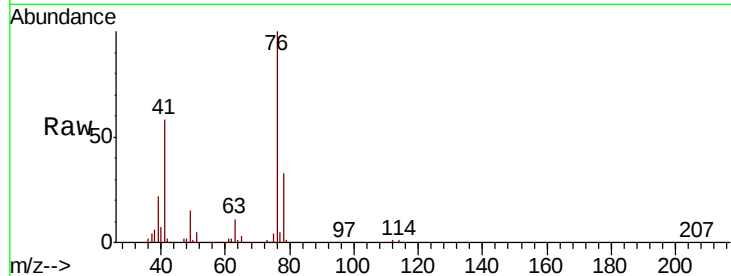
#57
 1,3-Dichloropropane
 Concen: 52.824 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY001166.D
 Acq: 10 Jan 2020 22:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.1	39.1

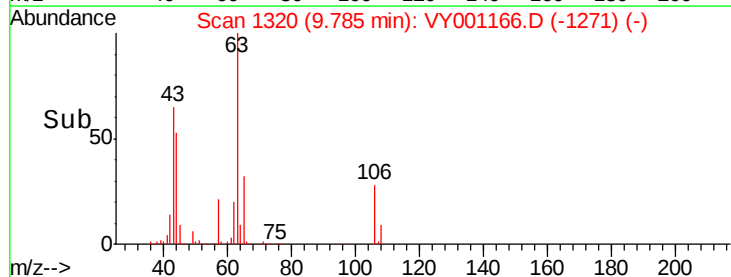
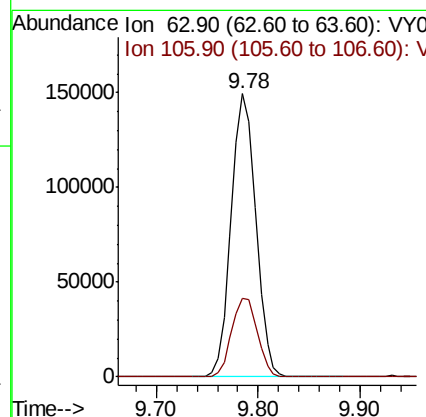
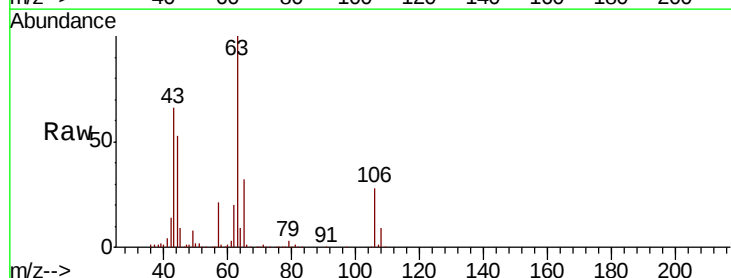
Manual Integrations
 APPROVED

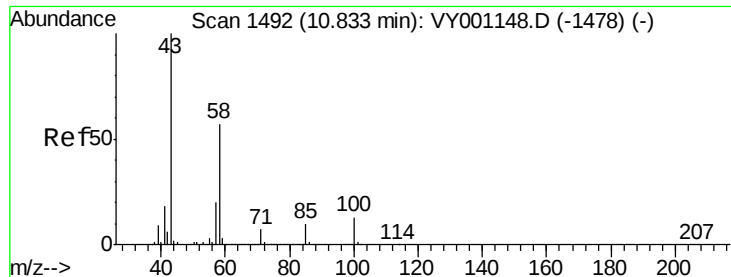
MMDadoda
 1/13/2020 12:39:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.790 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY001166.D
 Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.0	34.6





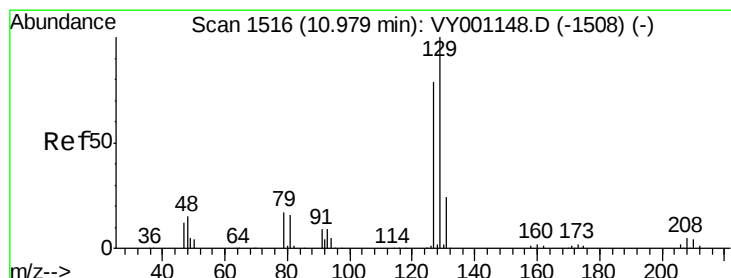
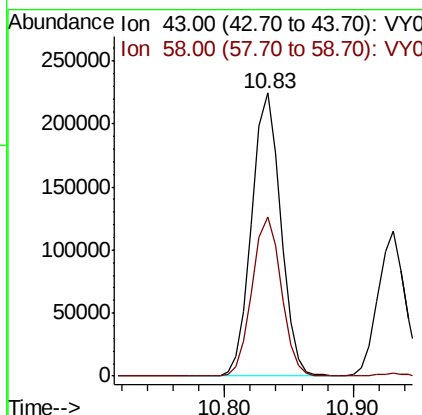
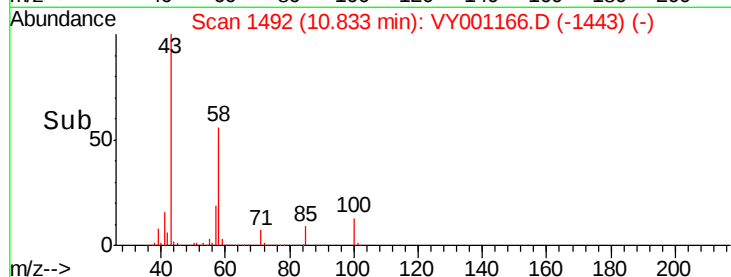
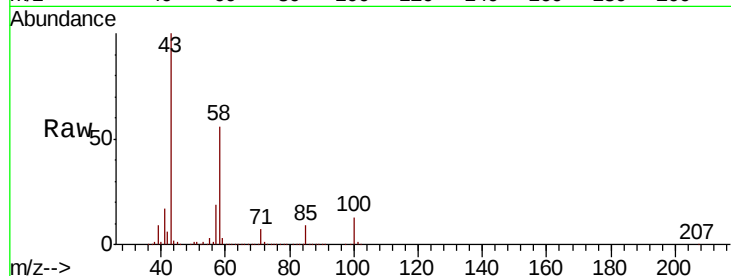
#59
2-Hexanone
Concen: 275.422 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 347991
Ion Ratio Lower Upper
43 100
58 56.6 28.4 85.2

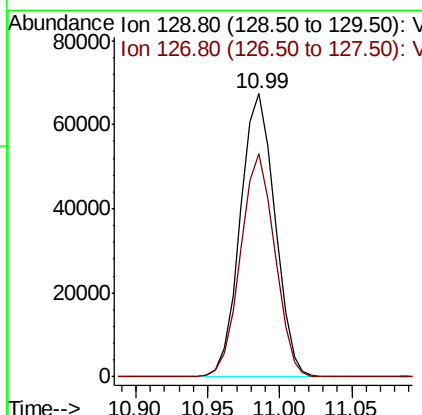
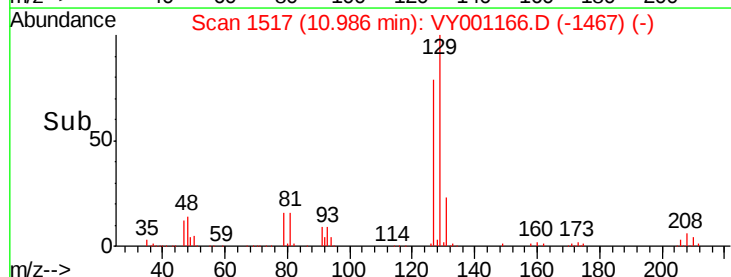
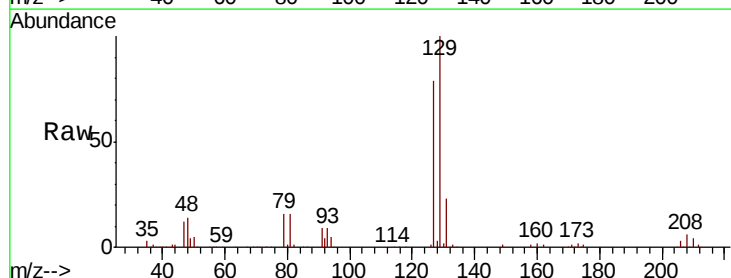
Manual Integrations
APPROVED

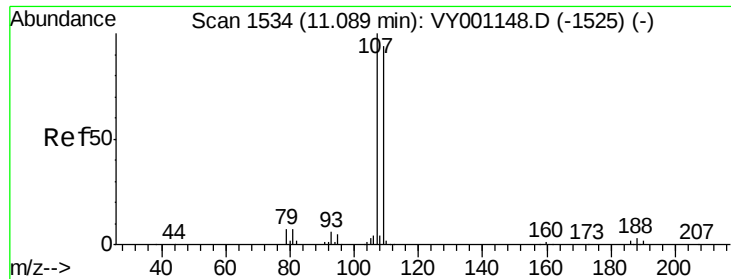
MMDadoda
1/13/2020 12:39:37 PM



#60
Dibromochloromethane
Concen: 52.976 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Tgt Ion: 129 Resp: 112726
Ion Ratio Lower Upper
129 100
127 77.6 38.9 116.7





#61

1,2-Dibromoethane

Concen: 53.120 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY001166.D

Acq: 10 Jan 2020 22:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 95859

Ion Ratio Lower Upper

107 100

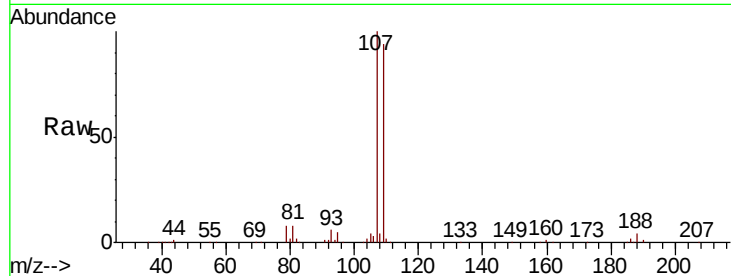
109 93.5 75.4 113.0

Manual Integrations

APPROVED

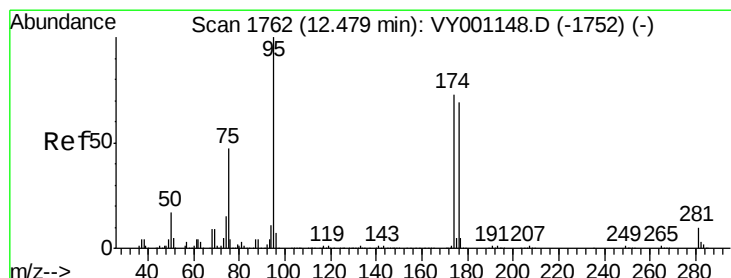
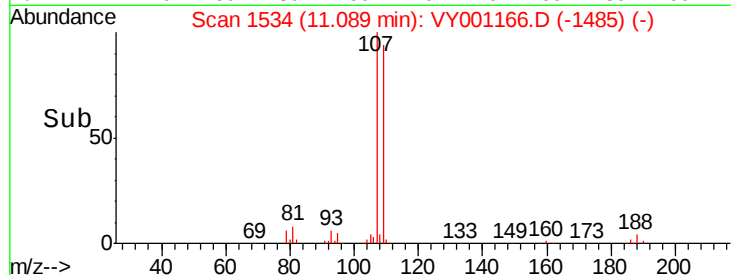
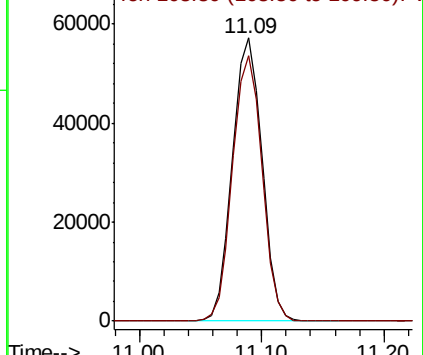
MMDadoda

1/13/2020 12:39:37 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.946 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001166.D

Acq: 10 Jan 2020 22:28

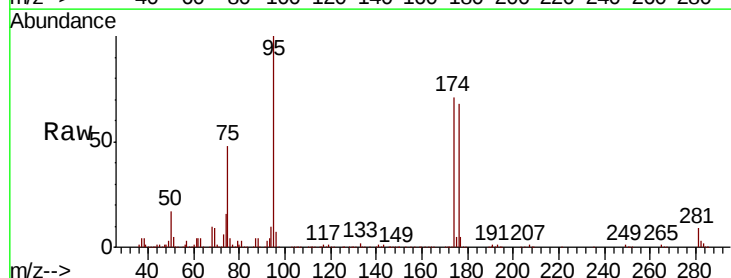
Tgt Ion: 95 Resp: 163225

Ion Ratio Lower Upper

95 100

174 71.7 0.0 143.2

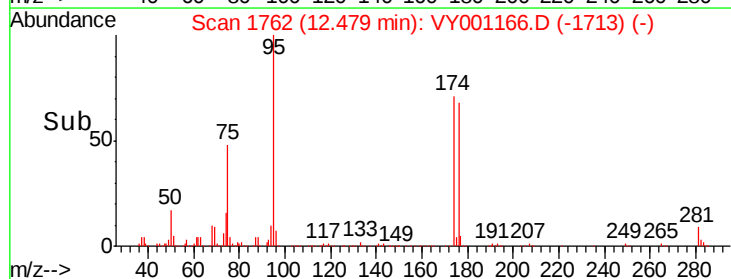
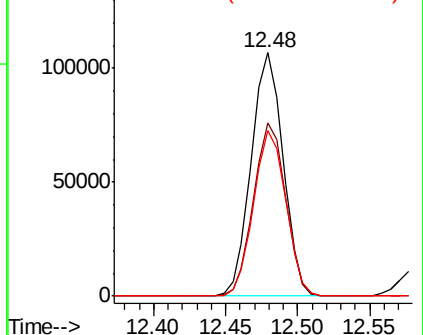
176 69.1 0.0 136.0

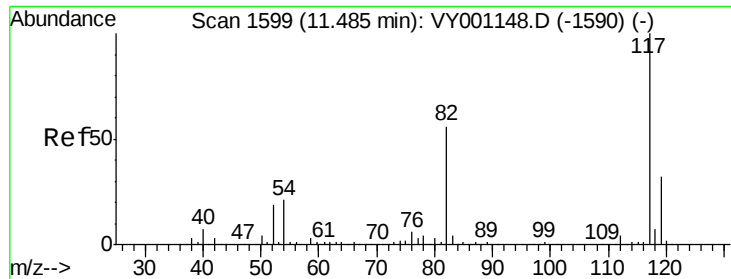


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





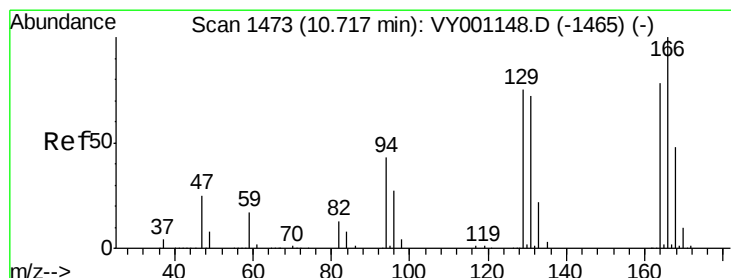
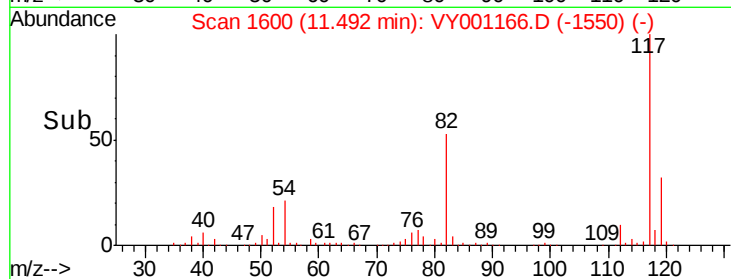
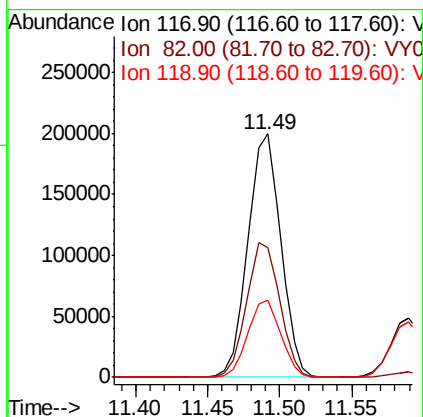
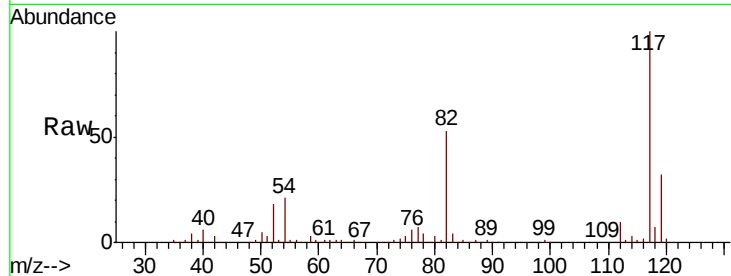
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	44.9	67.3
119	31.8	25.7	38.5

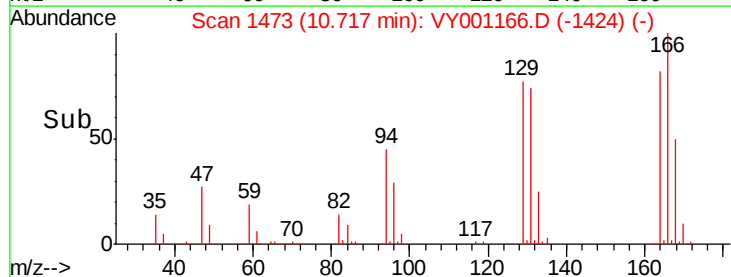
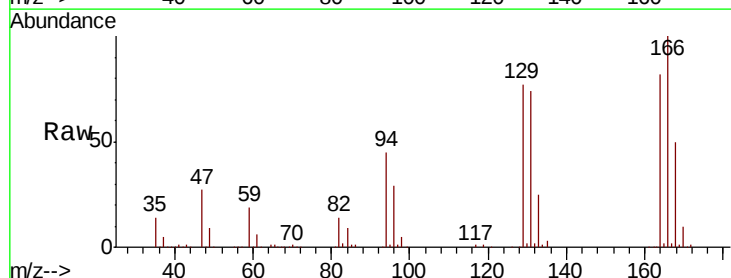
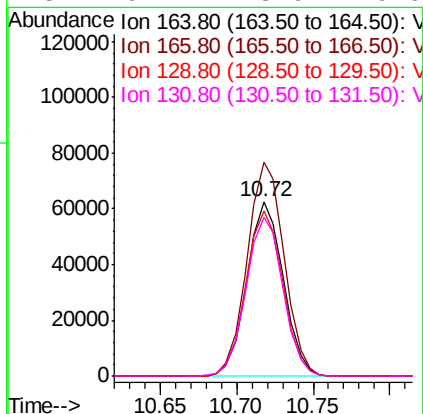
Manual Integrations
APPROVED

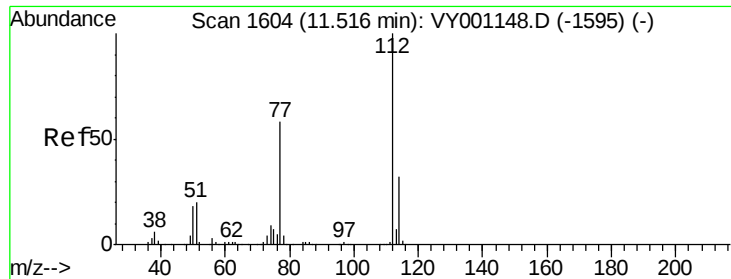
MMDadoda
1/13/2020 12:39:37 PM



#64
Tetrachloroethene
Concen: 50.719 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.6	102.3	153.5
129	94.9	76.2	114.4
131	91.1	73.9	110.9





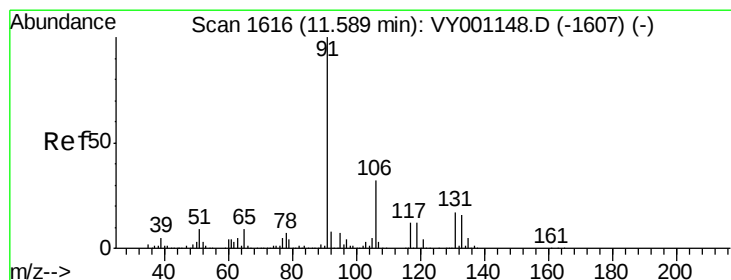
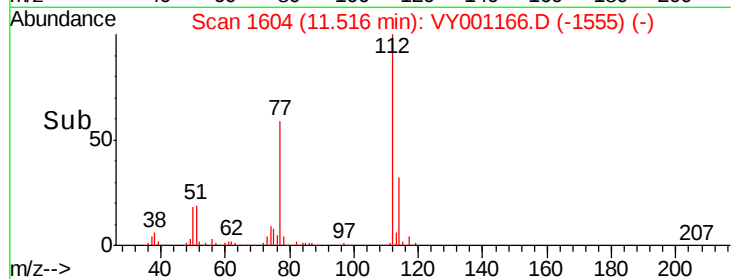
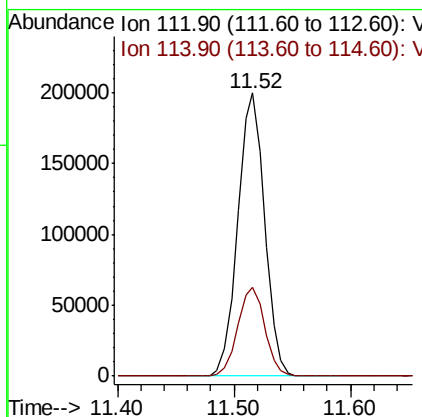
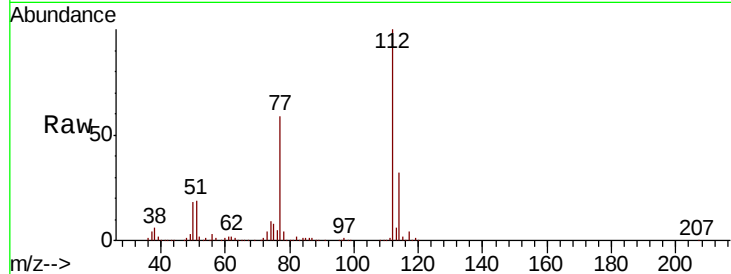
#65
Chlorobenzene
Concen: 50.834 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.9	38.9

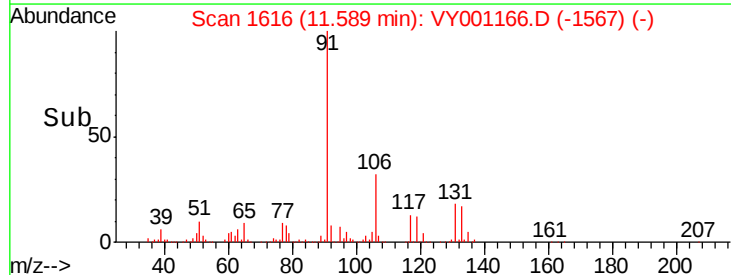
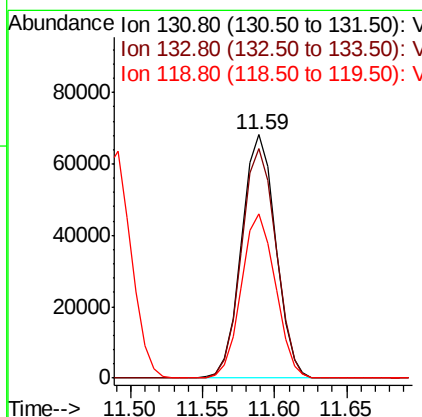
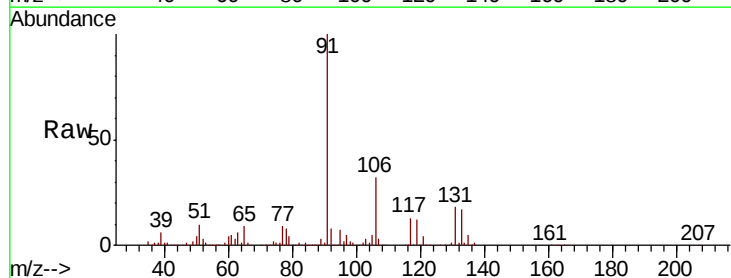
Manual Integrations
APPROVED

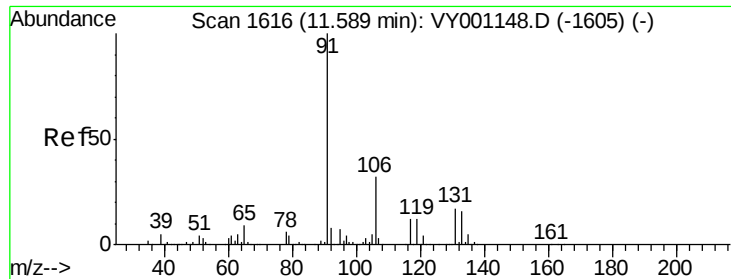
MMDadoda
1/13/2020 12:39:37 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.568 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.3	142.0
119	67.5	33.6	100.8





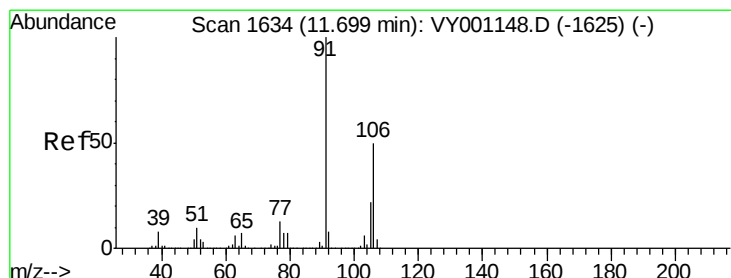
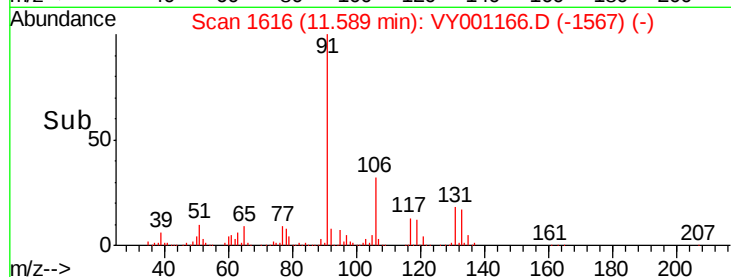
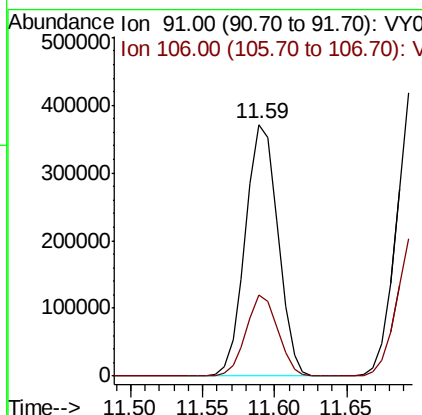
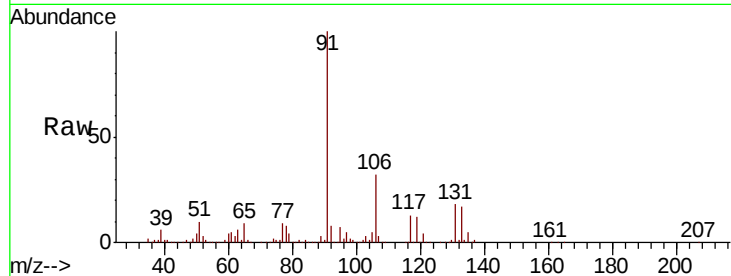
#67
Ethyl Benzene
Concen: 50.529 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 582706
Ion Ratio Lower Upper
91 100
106 32.3 25.3 37.9

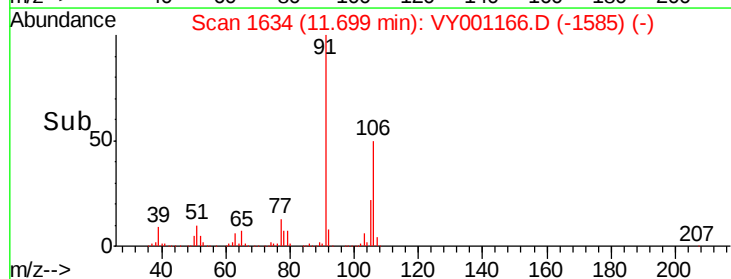
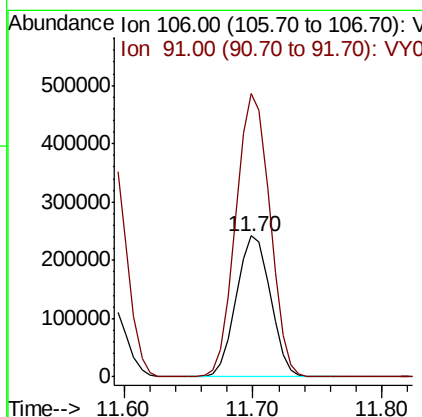
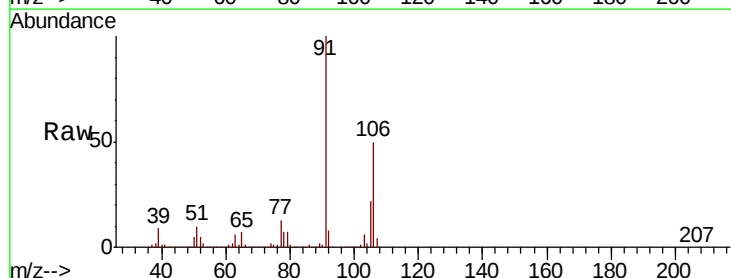
Manual Integrations
APPROVED

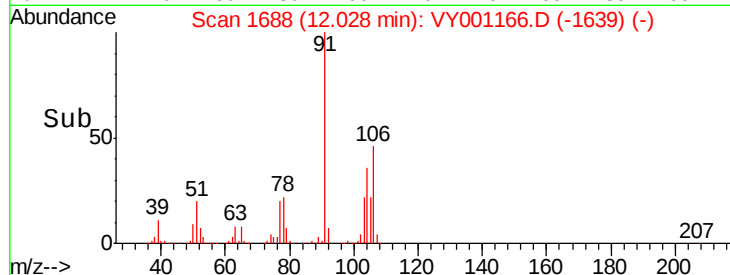
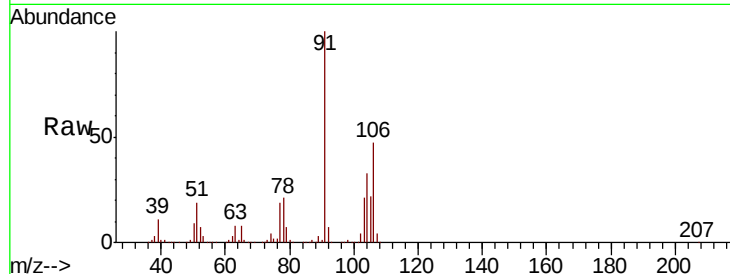
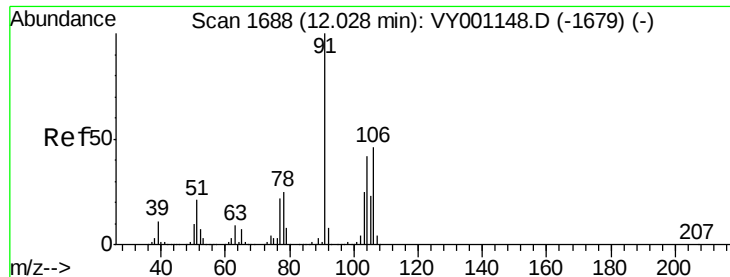
MMDadoda
1/13/2020 12:39:37 PM



#68
m/p-Xylenes
Concen: 102.457 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Tgt Ion: 106 Resp: 445713
Ion Ratio Lower Upper
106 100
91 200.3 161.4 242.2





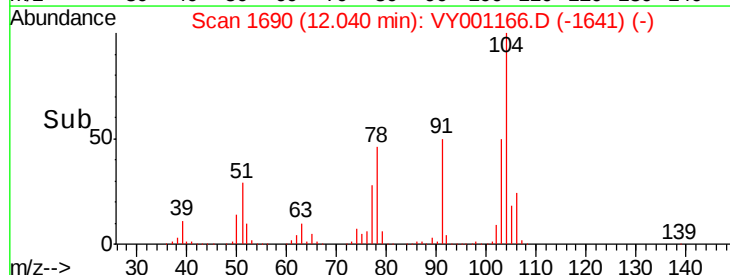
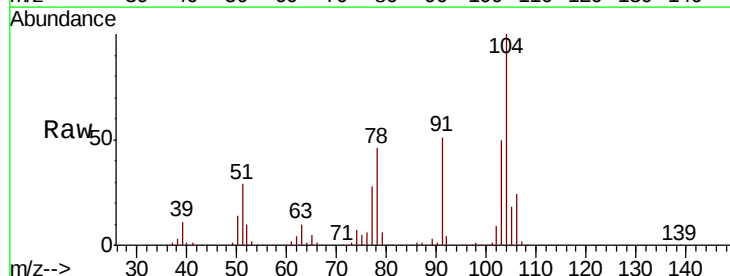
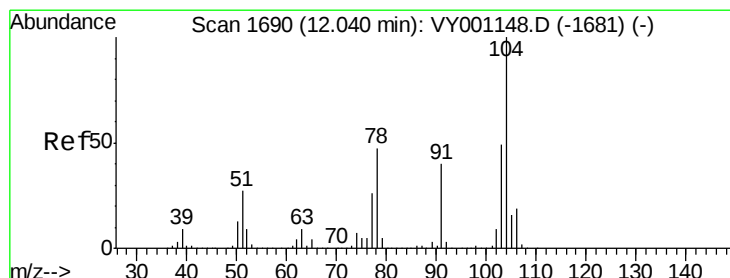
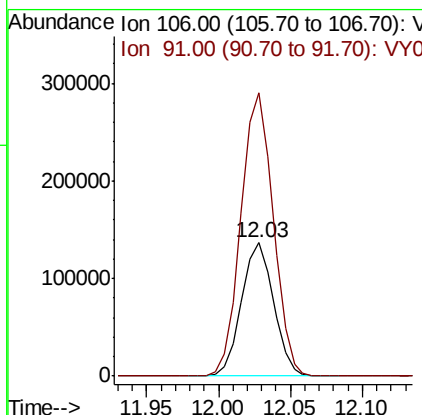
#69
o-Xylene
Concen: 50.501 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Tot Ion: 106 Resp: 210637
Ion Ratio Lower Upper
106 100
91 214.1 106.3 318.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

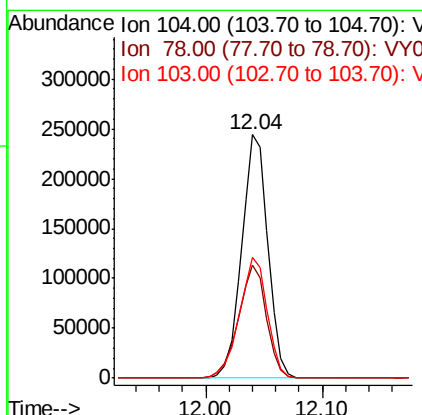
Manual Integrations
APPROVED

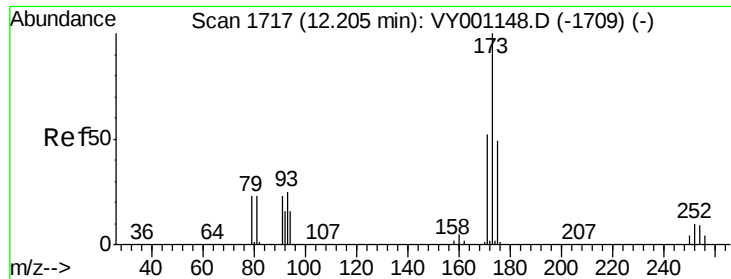
MMDadoda
1/13/2020 12:39:37 PM



#70
Styrene
Concen: 52.090 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Tgt Ion: 104 Resp: 381208
Ion Ratio Lower Upper
104 100
78 49.7 40.5 60.7
103 52.9 42.4 63.6





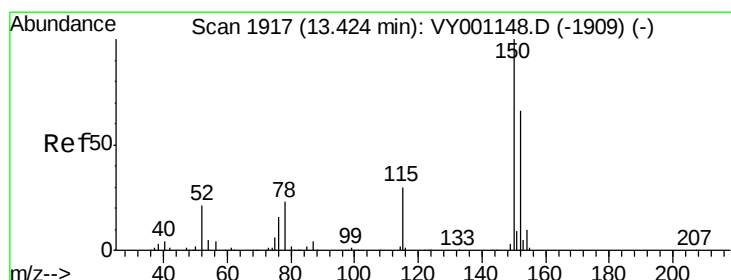
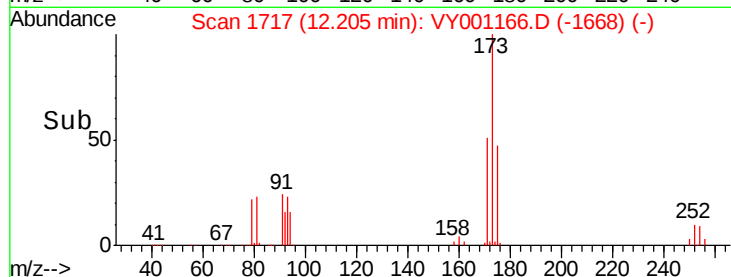
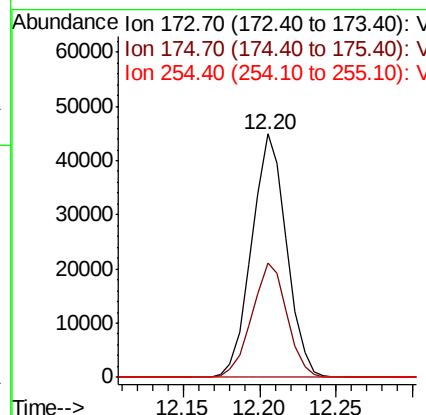
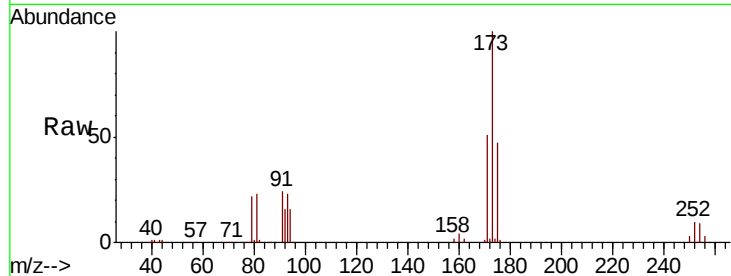
#71
Bromoform
Concen: 53.085 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.1	72.2
254	0.0	0.1	0.1#

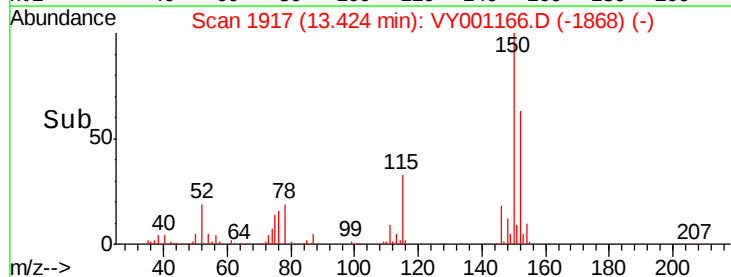
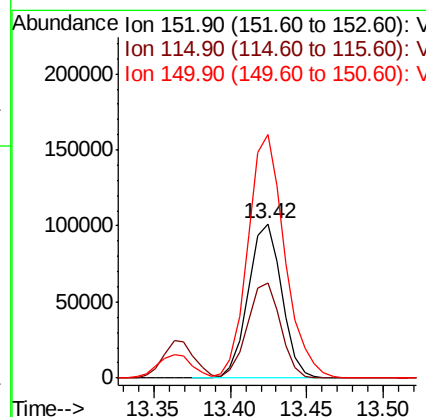
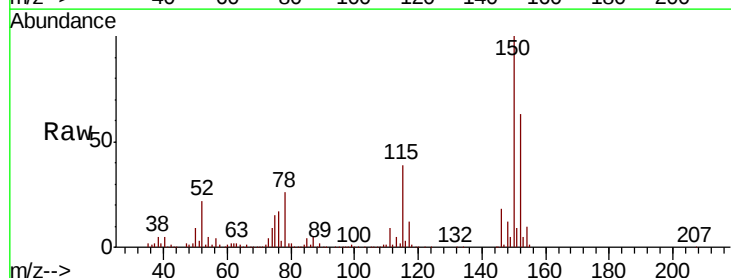
Manual Integrations
APPROVED

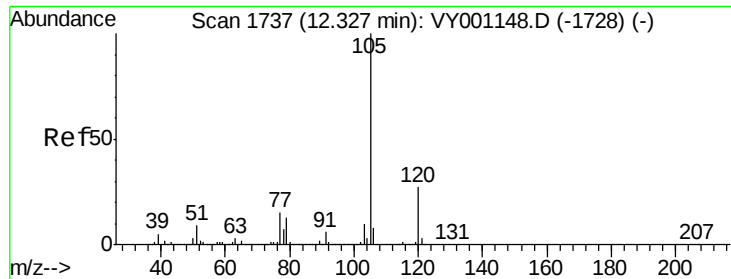
MMDadoda
1/13/2020 12:39:37 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.9	92.5
150	173.1	0.0	346.8





#73

Isopropylbenzene

Concen: 48.633 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY001166.D

Acq: 10 Jan 2020 22:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 563854

Ion Ratio Lower Upper

105 100

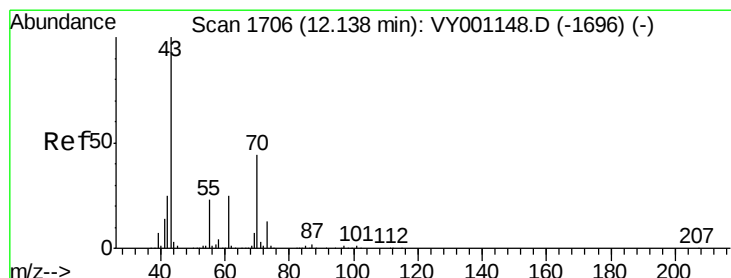
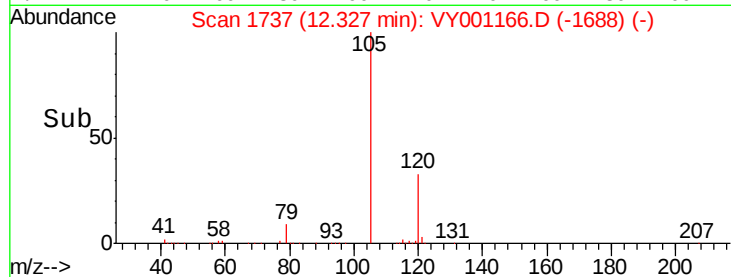
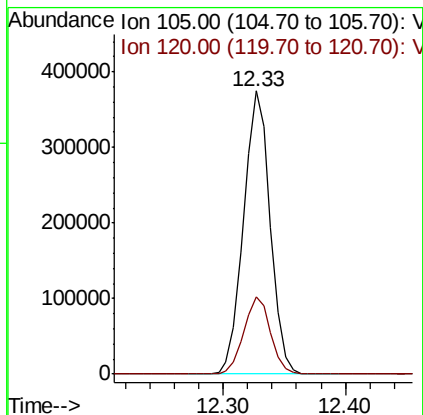
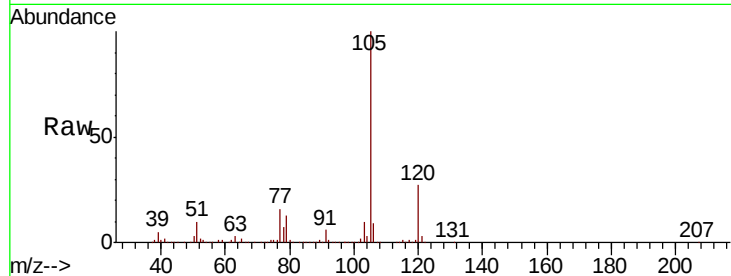
120 27.4 13.4 40.2

Manual Integrations

APPROVED

MMDadoda

1/13/2020 12:39:37 PM



#74

N-ethyl acetate

Concen: 52.770 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VY001166.D

Acq: 10 Jan 2020 22:28

Tgt Ion: 43 Resp: 190935

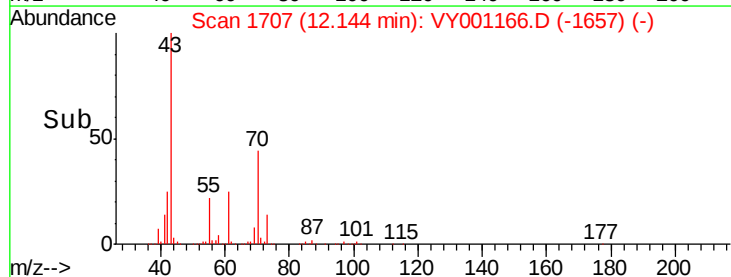
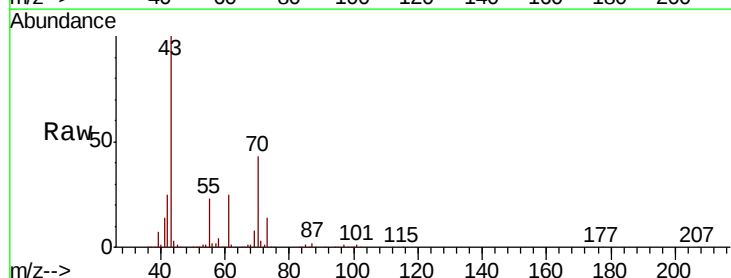
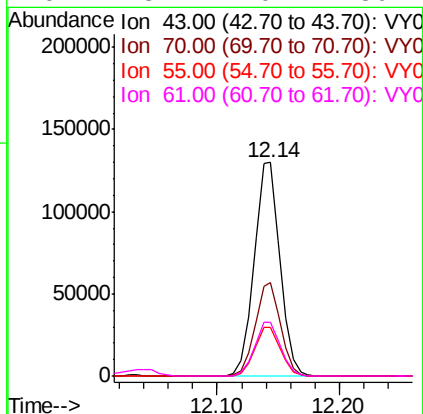
Ion Ratio Lower Upper

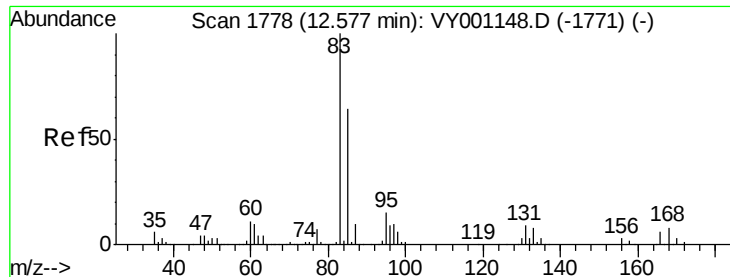
43 100

70 43.1 35.0 52.6

55 22.8 18.4 27.6

61 25.4 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.601 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY001166.D

Acq: 10 Jan 2020 22:28

Instrument :

MSVOA_Y

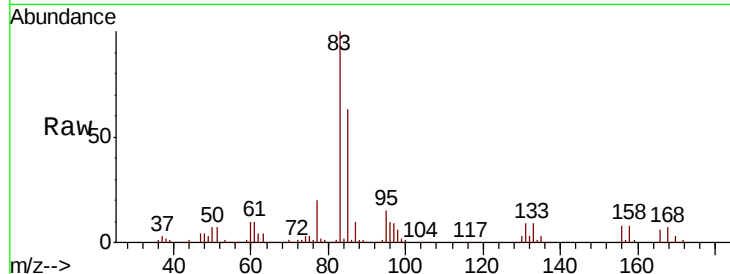
ClientSampleId :

VSTDCCC050EC

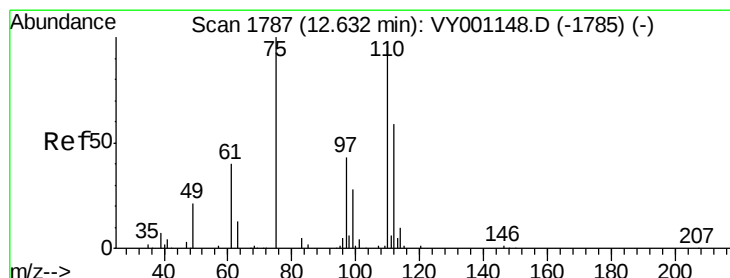
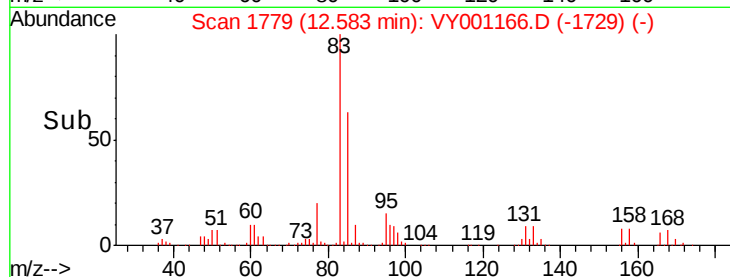
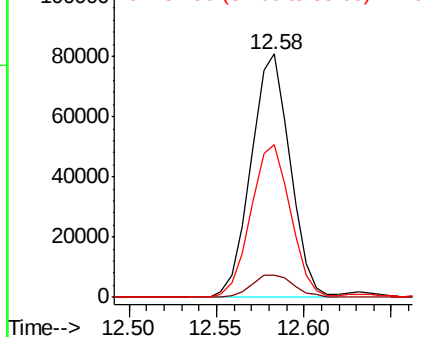
Tot Ion:	83	Resp:	125869
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.3
85	63.7	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:39:37 PM



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 130.80 (130.50 to 131.50): VY0
Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 51.299 ug/l m

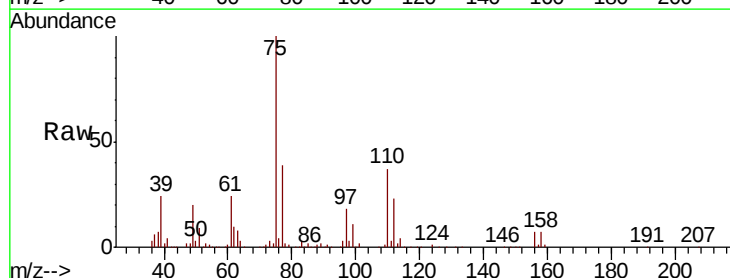
RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

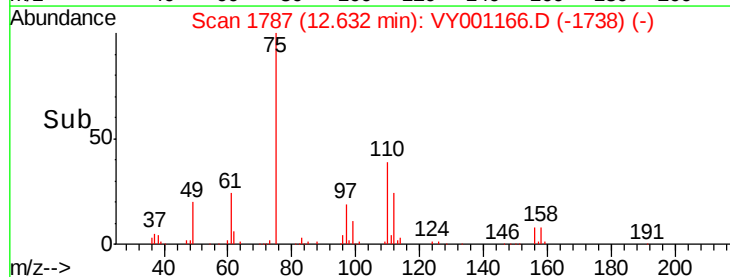
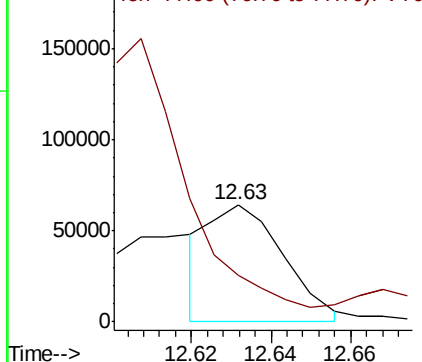
Lab File: VY001166.D

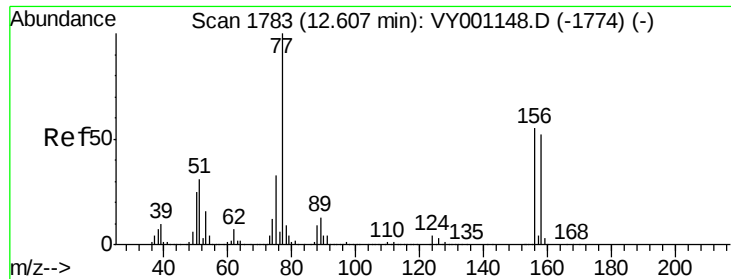
Acq: 10 Jan 2020 22:28

Tgt Ion:	75	Resp:	84692
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 50.598 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY001166.D

Acq: 10 Jan 2020 22:28

Instrument :

MSVOA_Y

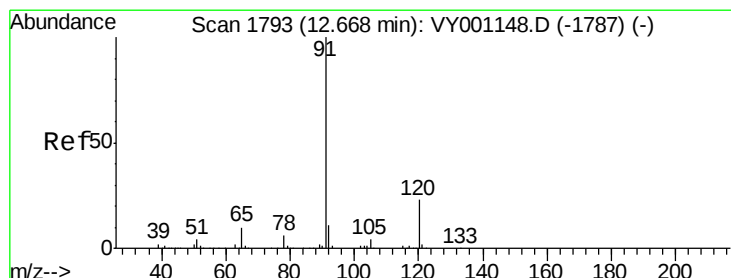
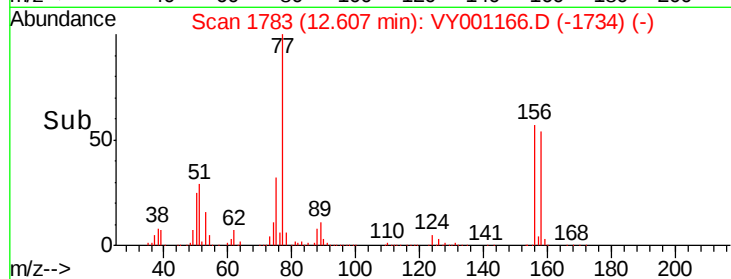
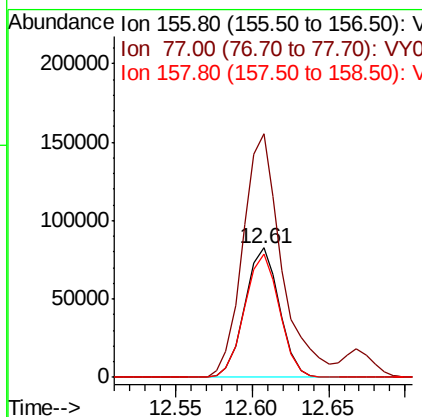
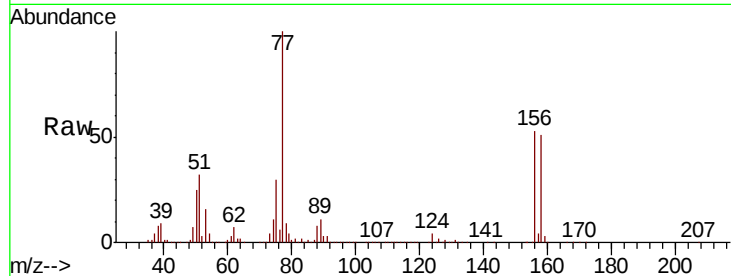
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	210.7	106.7	320.1
158	96.0	48.3	144.8

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:39:37 PM



#78

n-propylbenzene

Concen: 49.014 ug/l

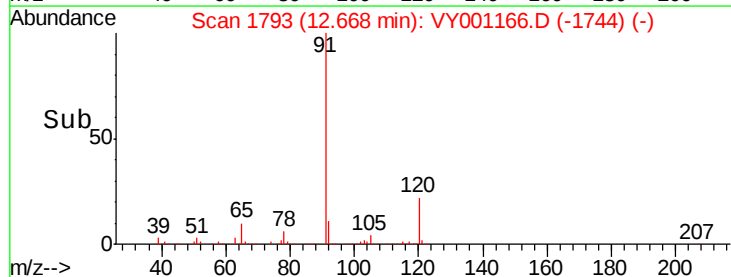
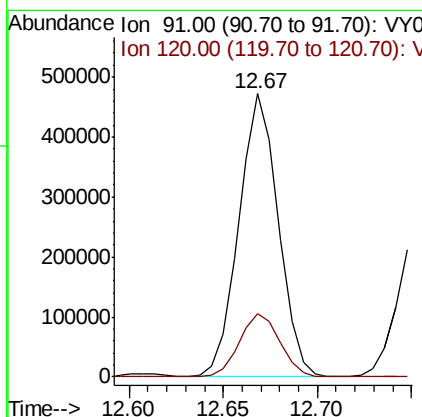
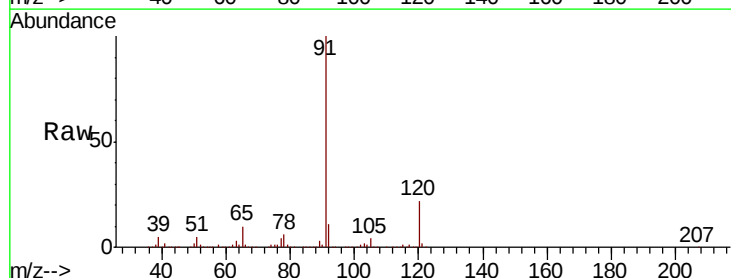
RT: 12.67 min Scan# 1793

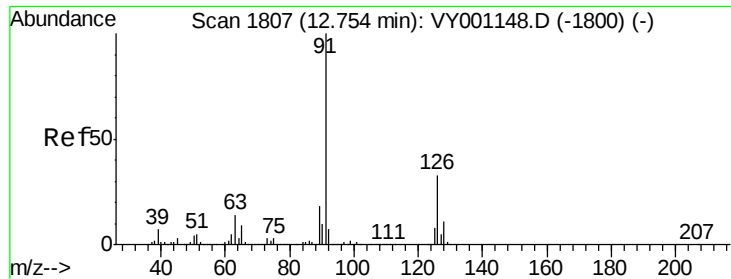
Delta R.T. 0.00 min

Lab File: VY001166.D

Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.4





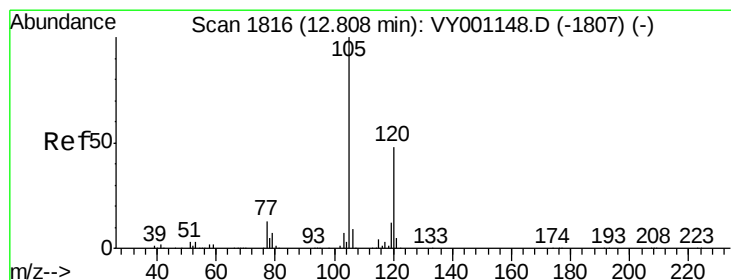
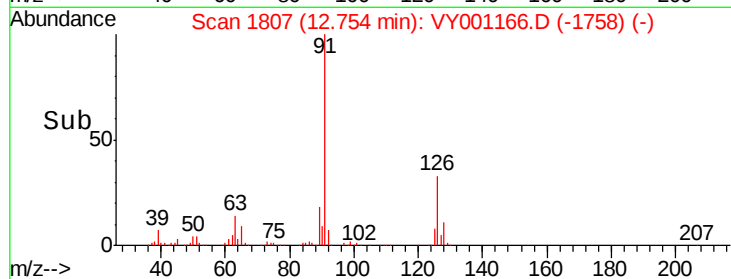
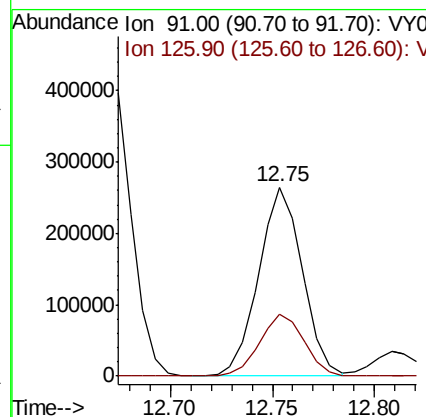
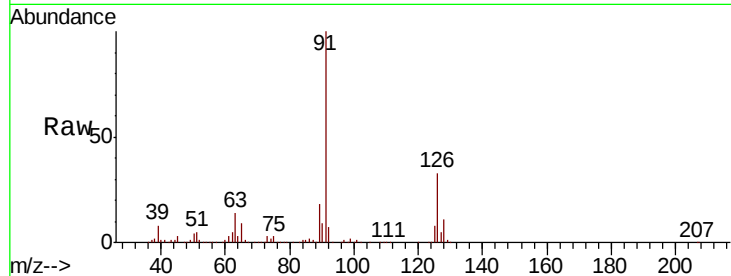
#79
 2-Chlorotoluene
 Concen: 49.297 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VY001166.D
 Acq: 10 Jan 2020 22:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.4	49.4

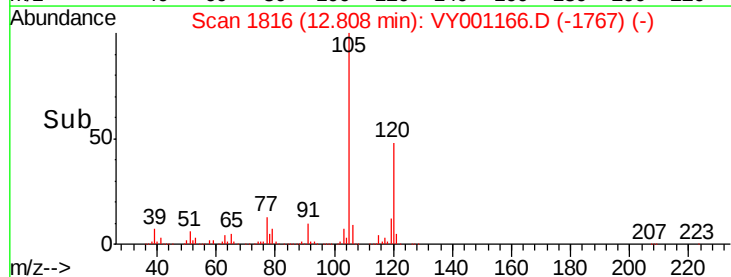
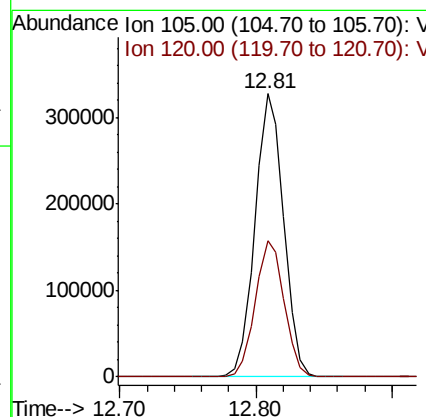
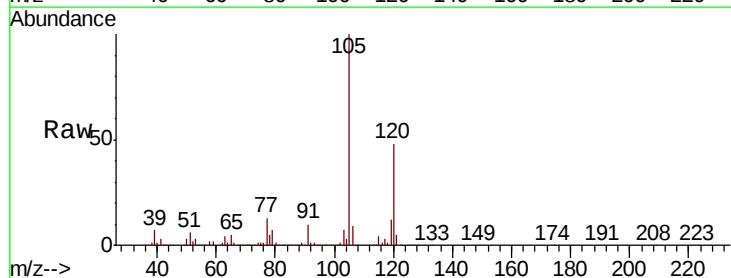
Manual Integrations
 APPROVED

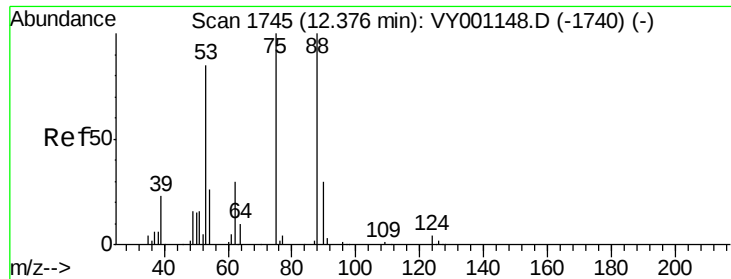
MMDadoda
 1/13/2020 12:39:37 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 49.955 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. 0.00 min
 Lab File: VY001166.D
 Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.2	72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 50.350 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001166.D

Acq: 10 Jan 2020 22:28

Instrument :

MSVOA_Y

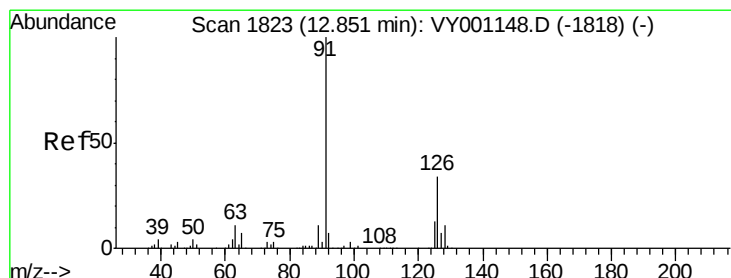
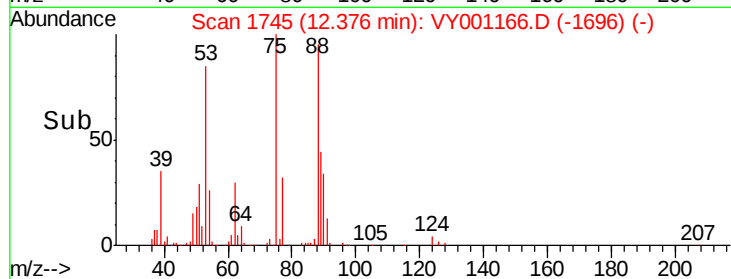
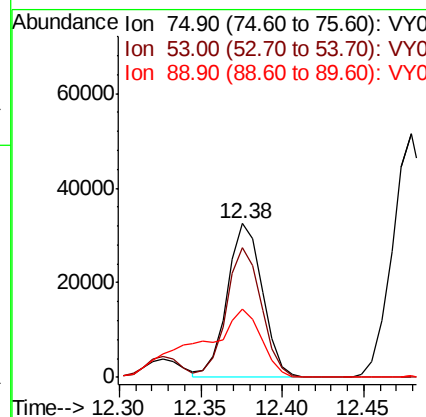
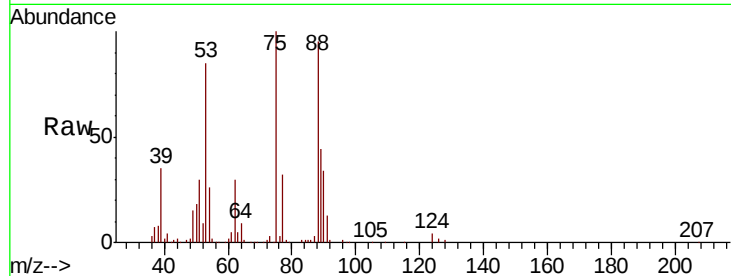
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	49019
Ion	Ratio	Lower	Upper
75	100		
53	84.0	69.4	104.2
89	78.9	0.0	0.0#

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:39:37 PM



#82

4-Chlorotoluene

Concen: 48.943 ug/l

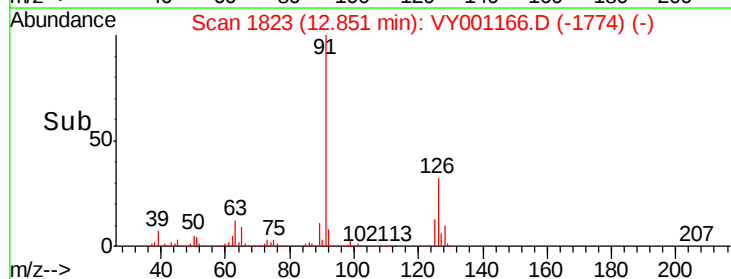
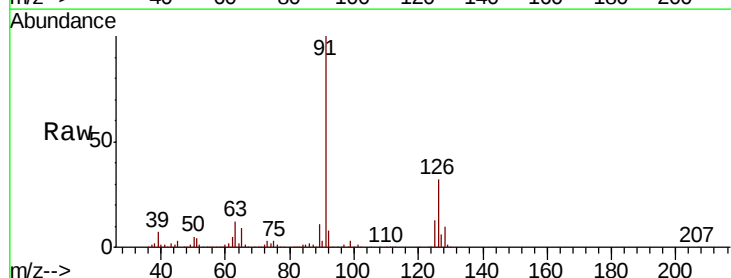
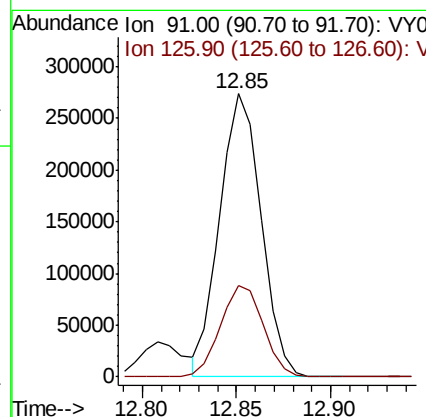
RT: 12.85 min Scan# 1823

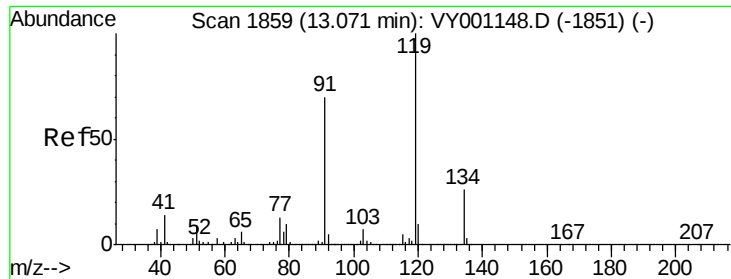
Delta R.T. 0.00 min

Lab File: VY001166.D

Acq: 10 Jan 2020 22:28

Tgt Ion:	91	Resp:	418475
Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.3	48.8





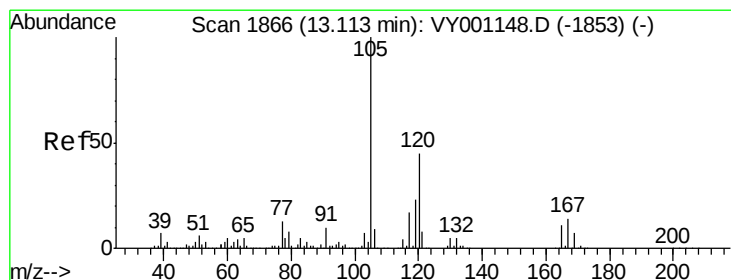
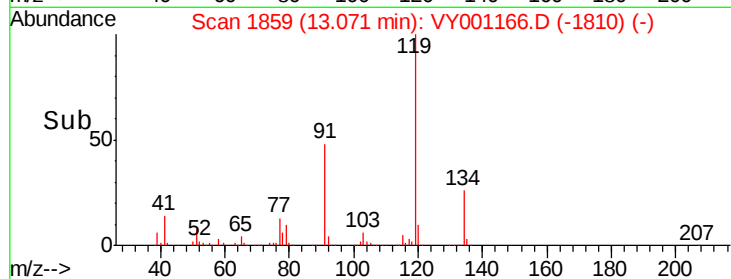
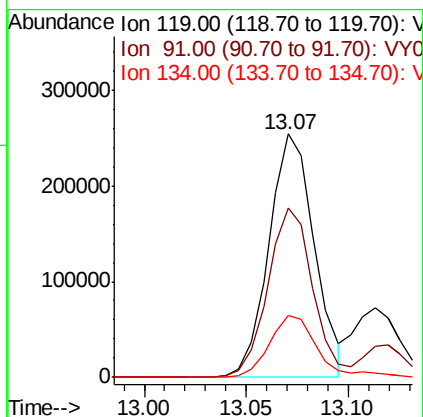
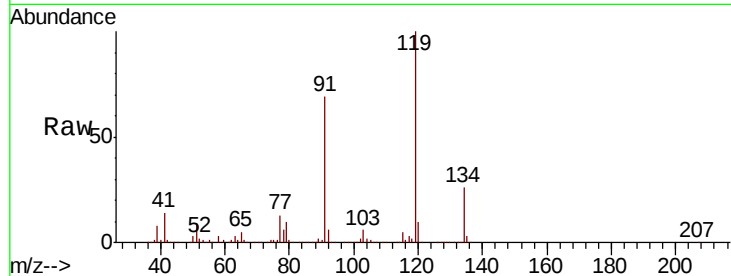
#83
tert-Butylbenzene
Concen: 48.615 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	395170		
91	68.9	33.9	101.7	
134	27.1	13.5	40.4	

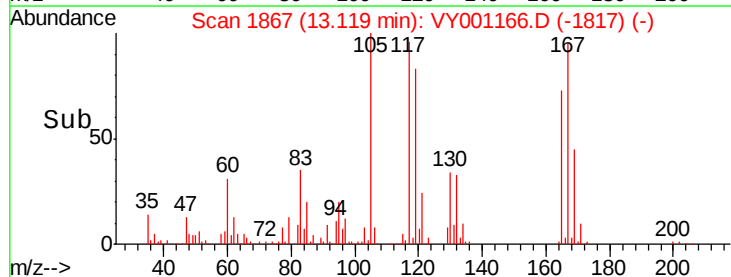
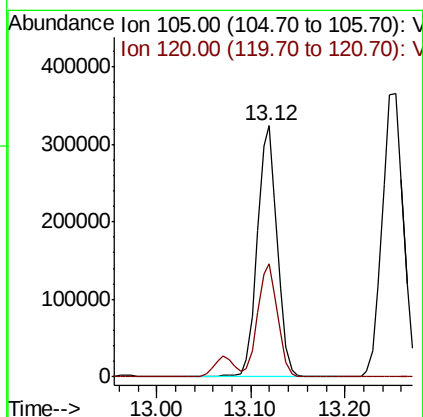
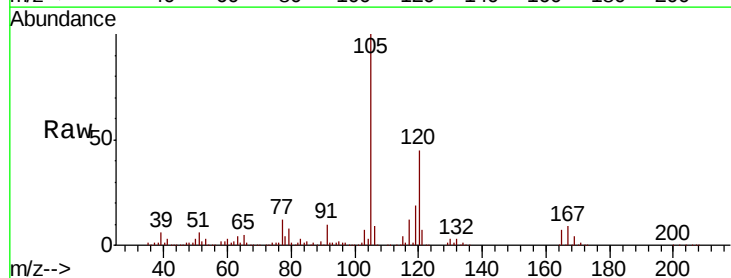
Manual Integrations
APPROVED

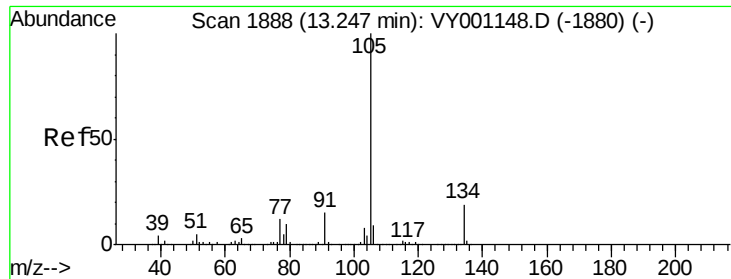
MMDadoda
1/13/2020 12:39:37 PM



#84
1,2,4-Trimethylbenzene
Concen: 50.144 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	481722		
120	45.3	22.8	68.3	





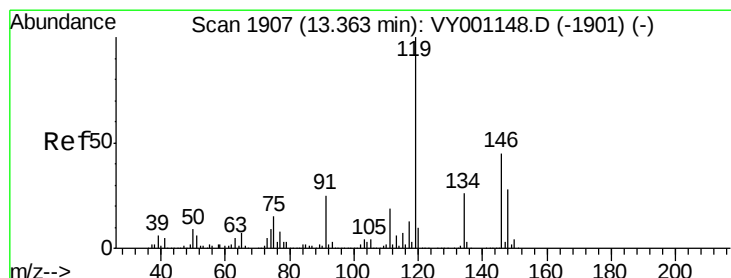
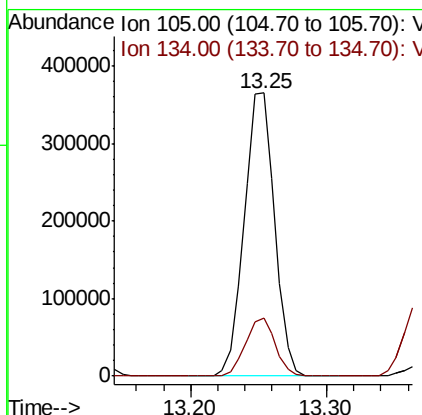
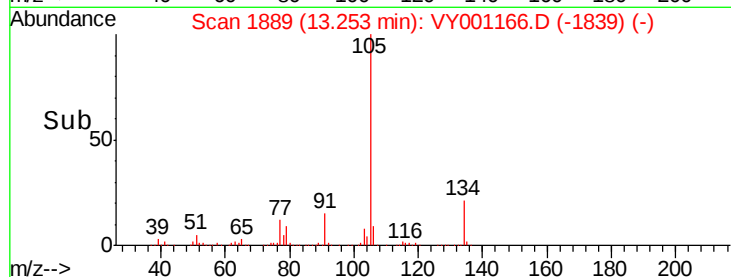
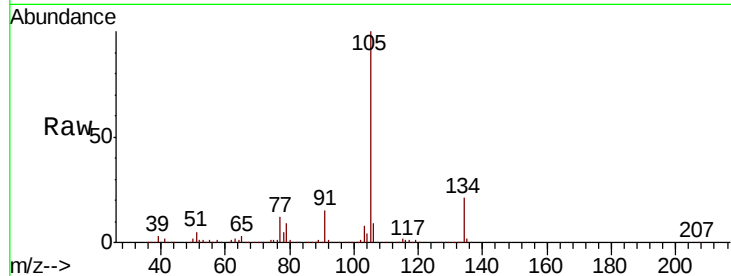
#85
 sec-Butylbenzene
 Concen: 48.746 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VY001166.D
 Acq: 10 Jan 2020 22:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	9.8	29.5

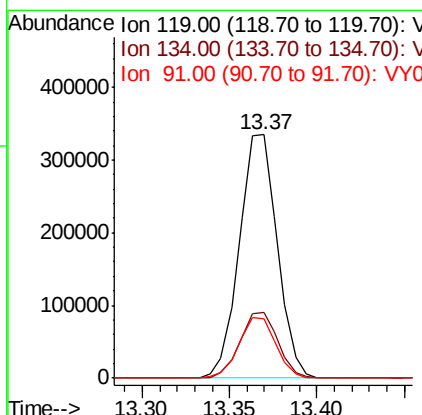
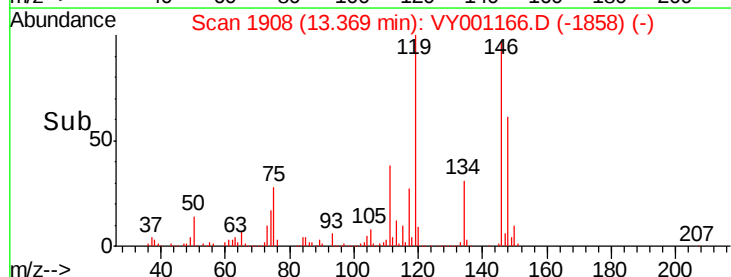
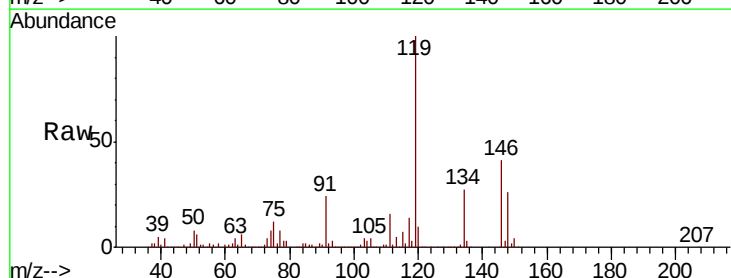
Manual Integrations
 APPROVED

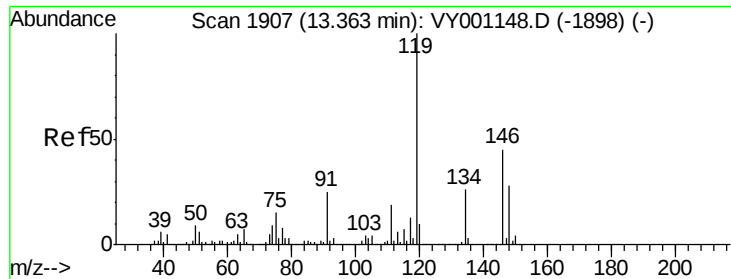
MMDadoda
 1/13/2020 12:39:37 PM



#86
 p-Isopropyltoluene
 Concen: 49.679 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY001166.D
 Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.4	40.2
91	24.5	12.4	37.2





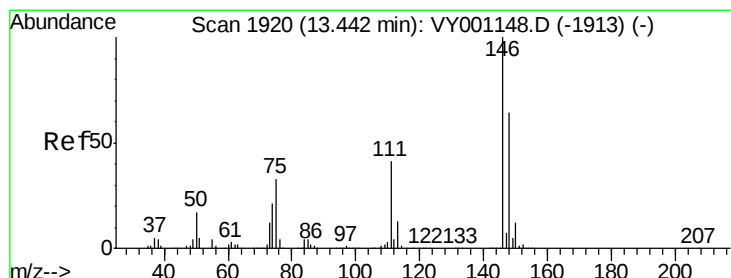
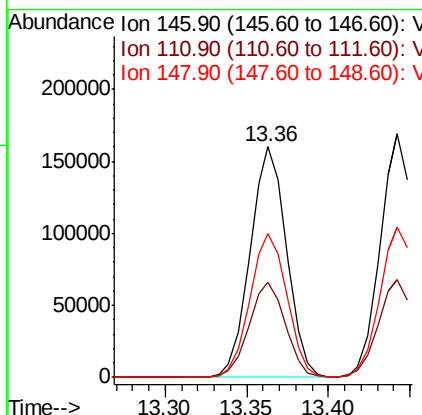
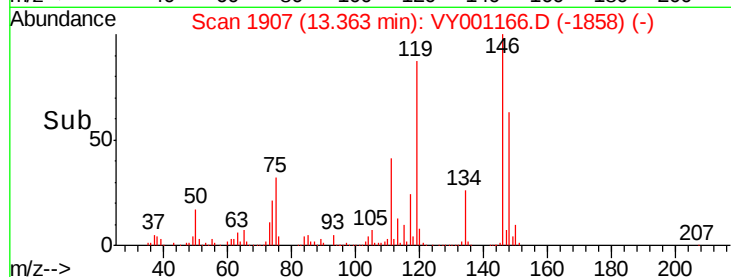
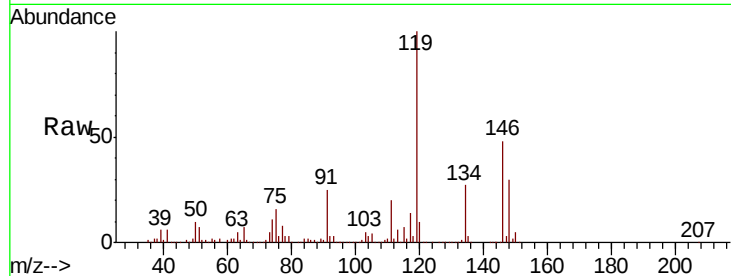
#87
 1,3-Dichlorobenzene
 Concen: 51.182 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY001166.D
 Acq: 10 Jan 2020 22:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.3	64.0
148	63.3	31.9	95.5

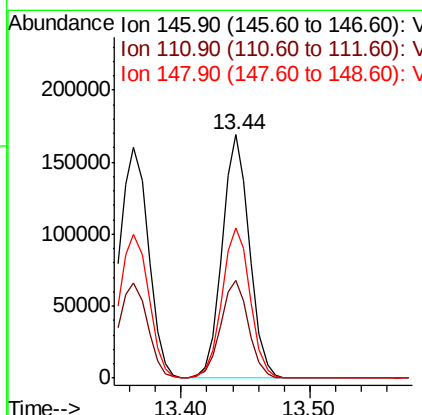
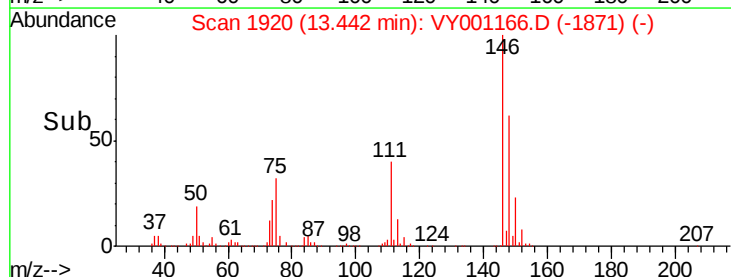
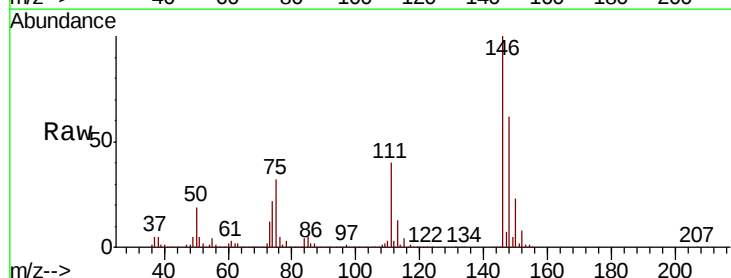
Manual Integrations
 APPROVED

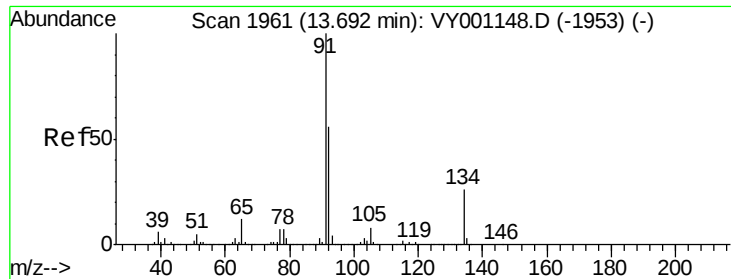
MMDadoda
 1/13/2020 12:39:37 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.383 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY001166.D
 Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.8	62.5
148	63.5	32.0	96.2





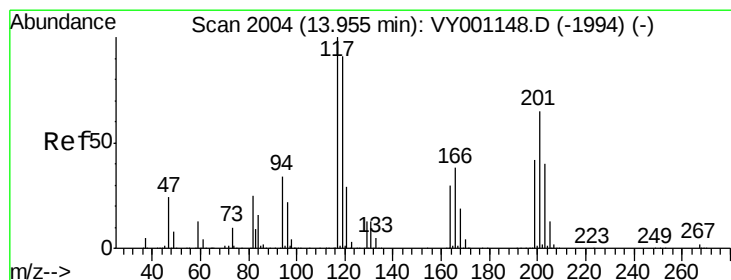
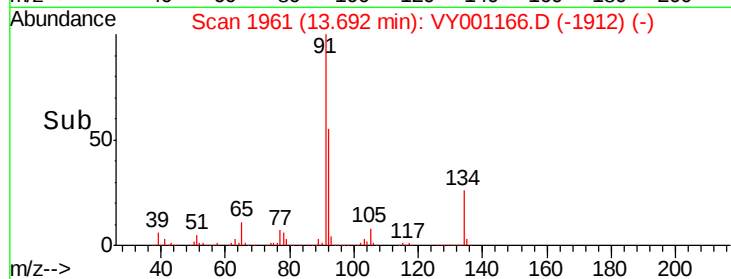
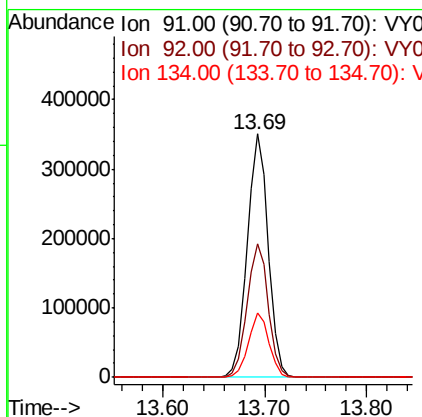
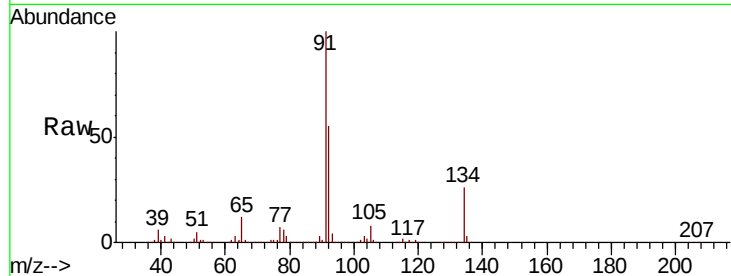
#89
n-Butylbenzene
Concen: 48.876 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.4	27.7	83.1	
134	26.1	12.9	38.6	

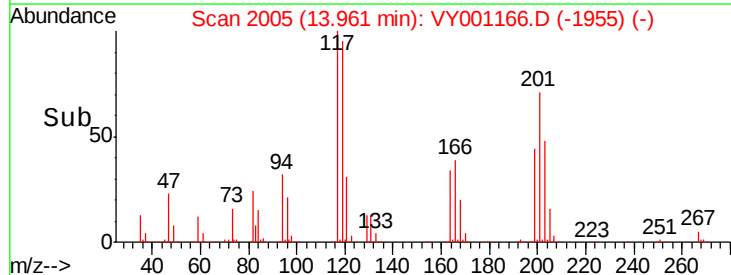
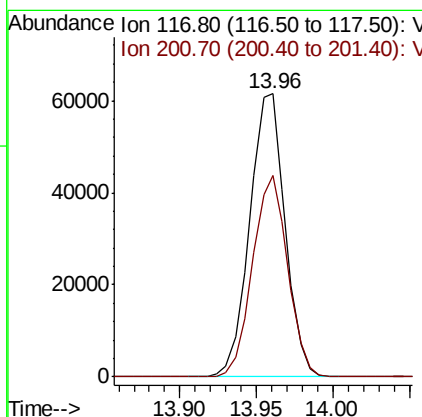
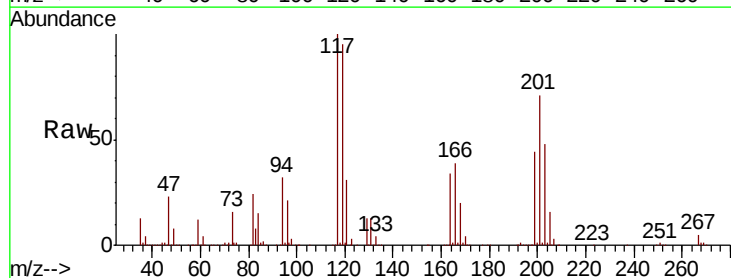
Manual Integrations
APPROVED

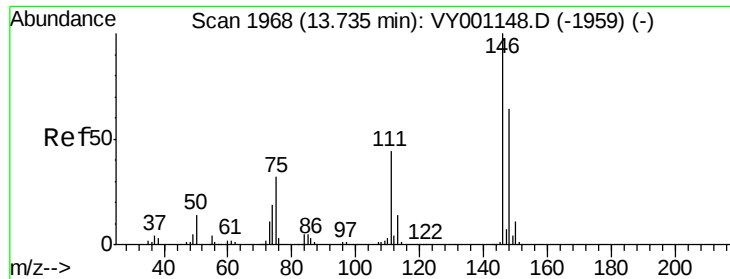
MMDadoda
1/13/2020 12:39:37 PM



#90
Hexachloroethane
Concen: 49.868 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.01 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	70.7	35.4	106.2	





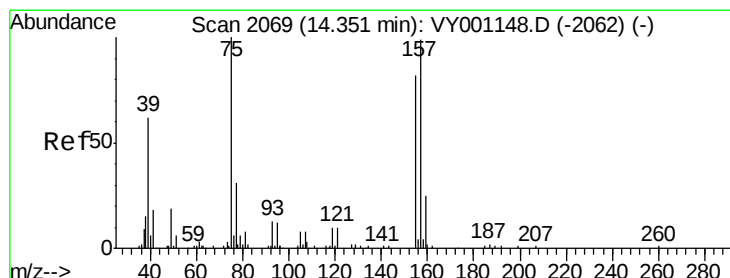
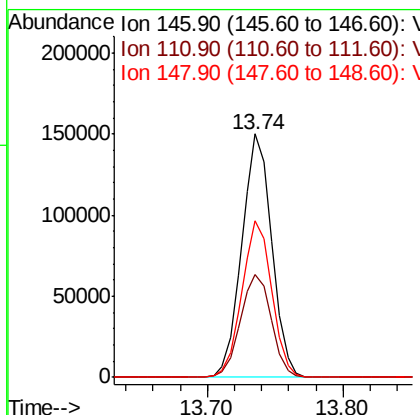
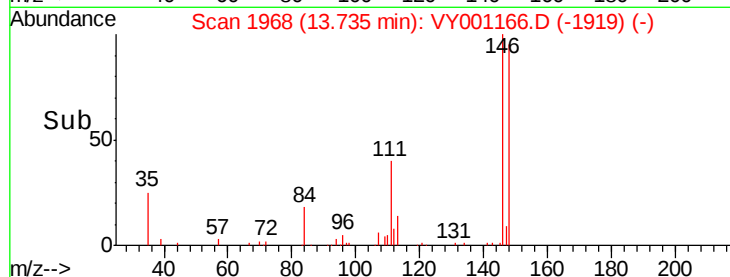
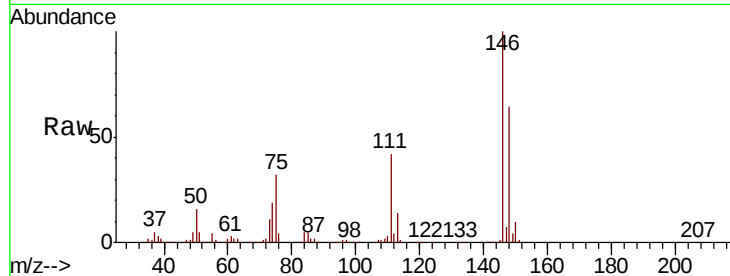
#91
 1,2-Dichlorobenzene
 Concen: 51.222 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY001166.D
 Acq: 10 Jan 2020 22:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.0	66.0
148	64.1	32.1	96.3

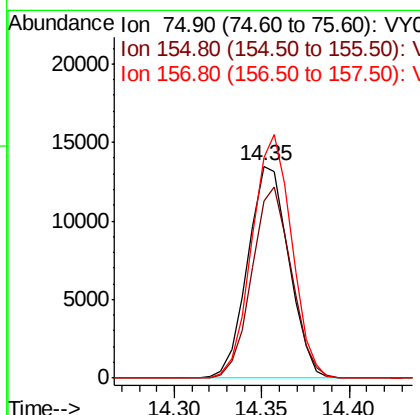
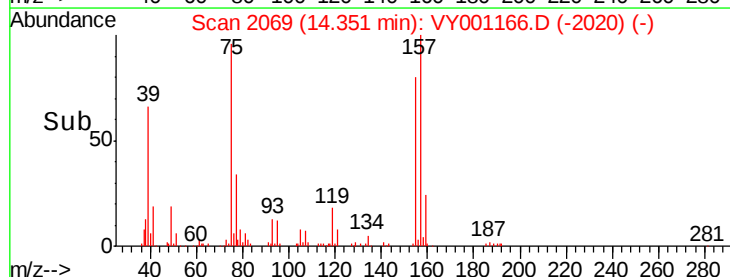
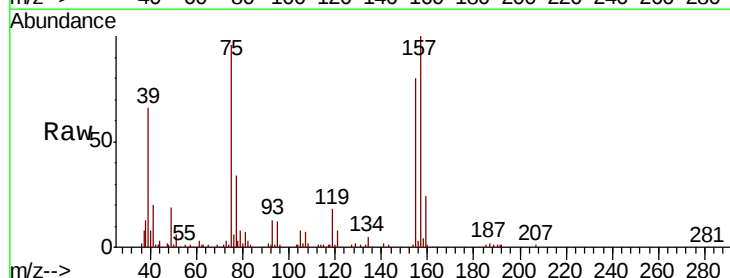
Manual Integrations
 APPROVED

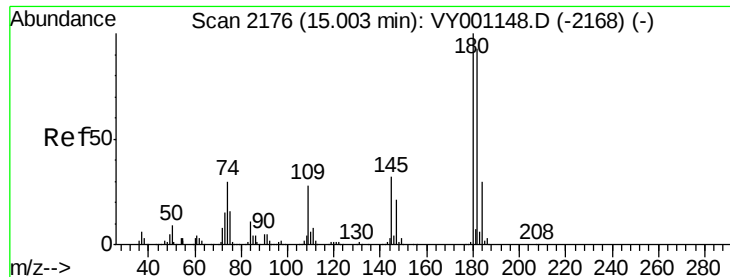
MMDadoda
 1/13/2020 12:39:37 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.242 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: VY001166.D
 Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.2	41.2	123.6
157	110.1	52.8	158.4





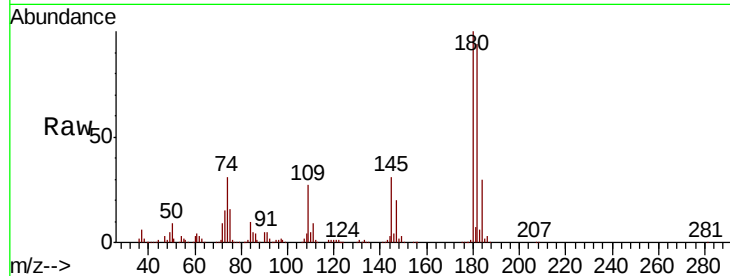
#93
 1,2,4-Trichlorobenzene
 Concen: 50.717 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001166.D
 Acq: 10 Jan 2020 22:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	150465		
182	94.5	46.9	140.8	
145	31.4	16.0	48.0	

Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:39:37 PM

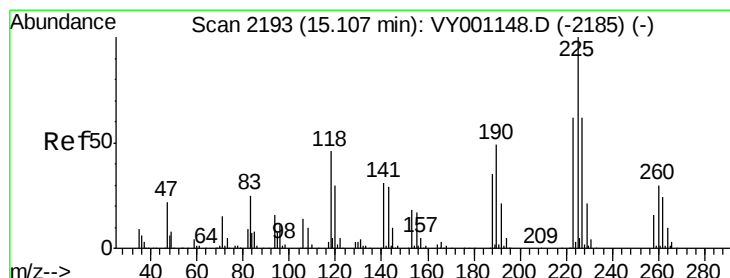
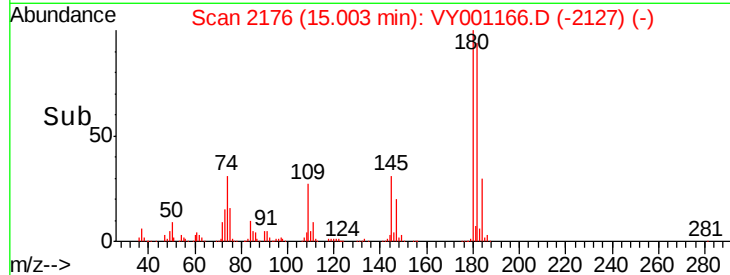
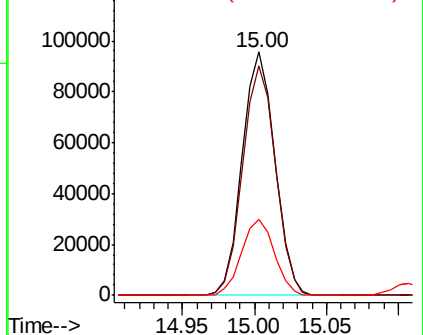


Abundance

Ion 179.80 (179.50 to 180.50): V

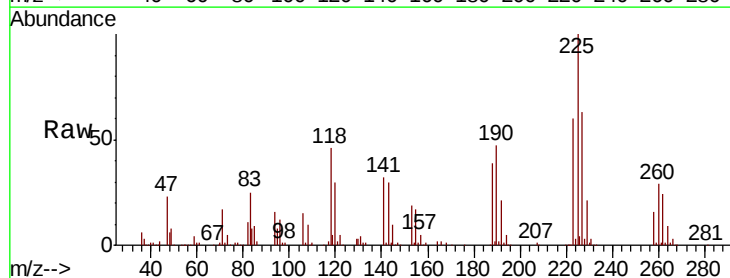
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 48.329 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001166.D
 Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72232		
223	61.6	31.1	93.3	
227	64.7	31.3	93.9	

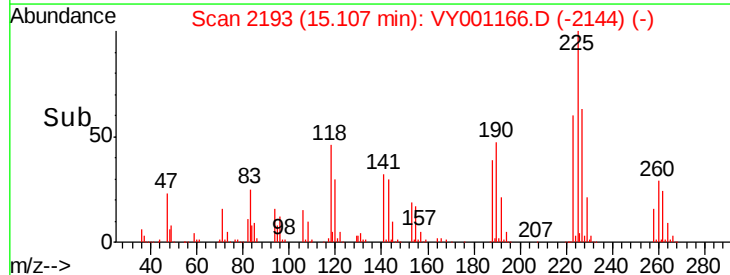
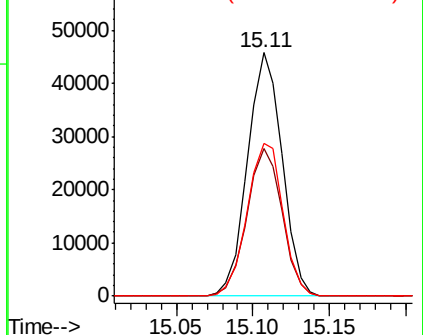


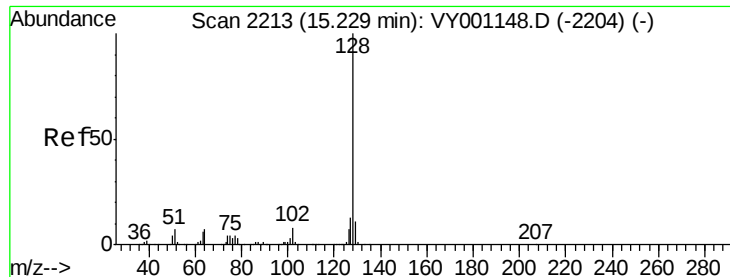
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





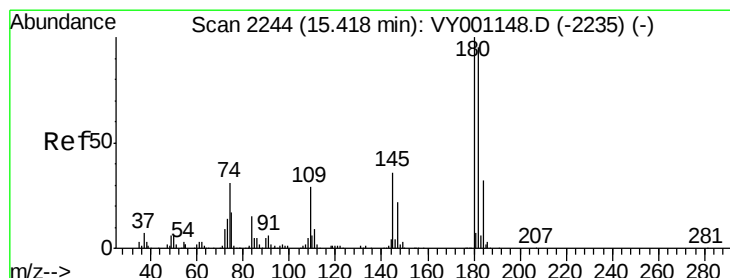
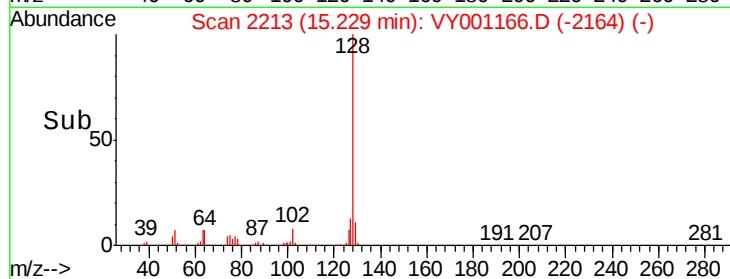
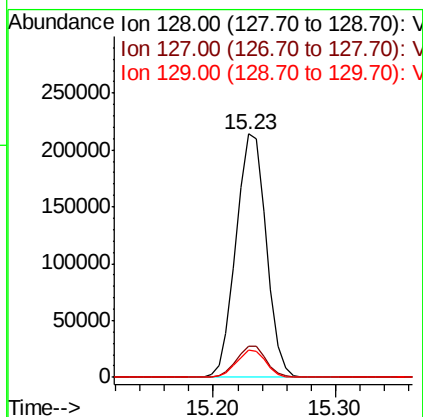
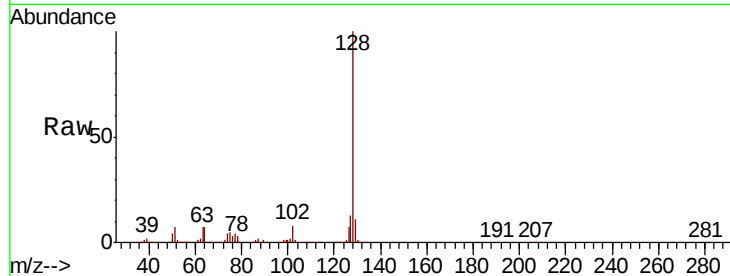
#95
Naphthalene
Concen: 52.914 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	10.9	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:39:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.674 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001166.D
Acq: 10 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.5	142.5
145	34.1	17.1	51.3

